SEDIMENT AND BANK SOIL SCOI SCREENING FOR SEGMENTS 4 THROUGH 7, TITTABAWASSEE RIVER

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ACRONYMS AND ABBREVIATIONS

ATSDR	Agency for Toxic Substances and Disease Registry
CB	Chlorobenzene
CMC	Critical maximum concentration
CP	Chlorophenol
DEQ	Department of Environmental Quality
ESLB	Ecological screening level benchmark
EP	Ethyl parathion
EPA	United States Environmental Protection Agency
EqP	Equilibrium partitioning
ESL	Ecological Screening Level
FDEP	Florida Department of Environmental Protection
FoD	Frequency of detection
K_{OC}	Adsorption coefficient
LWA	Length weighted average
MBSS	Michigan Background Soil Survey
mg/kg	Milligrams per kilogram
NRWQC	National Recommended Water Quality Criteria
o-PP	ortho-phenyl phenol
PAH	Polycyclic aromatic hydrocarbon
PLER	Potential low exposure and risk
SCOI	Secondary constituents of interest
SSSL	Site-specific screening levels
TEQ	Toxicity equivalents
TOC	Total organic carbon
µg	microgram
USGS	United States Geological Survey

Executive Summary

This report summarizes the screening of secondary constituents of interest (SCOIs) in river sediments and banks along Segments 4 through 7 in the Tittabawassee River. SCOIs are defined as constituents of interest other than dioxins and furans. The goal of the SCOI screening is to understand if SCOIs detected in Segments 4 through 7 sediments could potentially result in toxicity to ecological receptors. In addition, this SCOI screening includes consideration of bank soils as a potential source of SCOIs to the in-channel sediments.

The screening was conducted using the same approach and screening values that were used for the Segments 1, 2, and 3 Response Proposals (Dow 2011, 2013, 2014) and followed a comprehensive, iterative process consistent with components of EPA risk-based guidance for identifying chemicals of potential concern (USEPA 1997, 2001). The screening was conducted on the surface sediments (defined as any sample collected with a beginning depth of less than or equal to 1 foot (ft) below the sediment surface) because this is the most likely portion of the sediment column that comprises the biologically active zone and the active bed depth. The screening also included a sensitivity analysis which considers the upper 2 ft of the sediment column, as defined as a starting depth of less than 2 ft.

The screening process was based on the following steps:

- Identify the data used for the SCOI screening analysis and determine if the SCOI was detected. Constituents detected were retained for further consideration.
- Identify SCOIs that were detected at concentrations exceeding background. SCOIs with concentrations greater than background were retained for further consideration.
- Sum individual chlorobenzenes, chlorophenols, and polycyclic aromatic hydrocarbons (PAHs) into mixtures for comparison to site-specific toxicity values[1] for these chemical mixtures.
- Compare the concentrations of SCOIs in Segment 4-7 samples to site-specific toxicity values. Constituents and mixtures of constituents that exceed or lack site-specific values were retained for further consideration.
- Compare SCOI concentrations to ecological screening level benchmarks (ESLBs). SCOIs with concentrations exceeding or lacking ESLBs are retained for further consideration.
- Compare SCOI concentrations to other published benchmarks, such as EPA's equilibrium partition (EqP) benchmarks (USEPA 2003a,b; 2008) and peer-reviewed scientific studies.
- If necessary, consider the frequency of detection (FoD), including the FoD exceeding an effects-based benchmark.
- Consider the potential for bank erosion as a source of SCOIs to the river.
- The screening of sediments is based on consideration of any detected concentration.

[1] The site-specific toxicity values include potential for low exposure/risk (PLERs) and site-specific screening levels (SSSLs) as developed in the Segment 1 Response Proposal (Dow 2011).

- The screening for bank soils is based on length-weighted averages (LWAs), as defined in the Response Proposals for Segments 2 and 3 (Dow 2013, 2014). LWAs are appropriate because SCOIs that erode into the river will reflect the average value of those seen in the bank.

SCOIs are not a basis for action in Segments 4-7. SCOIs are not a concern for the upper 1-ft interval of in-channel sediments, the upper 2-ft interval of in-channel sediments, or the bank soils (as a source of SCOIs to the river).

In summary for the upper 1-ft interval of in-channel sediments:

- 160 SCOIs were analyzed and 56 SCOIs were detected.
- Among the 56 SCOIs detected, only 1 sample had a concentration that exceeded a PLER.
- Sample RQQ-1023+00-IC44 had a detection of total PAHs of 15.6 milligrams per kilogram (mg/kg) compared to the PLER of 15.1 mg/kg.
- All other SCOIs were screened out by the steps of the screening process.

In summary for the upper 2-ft interval of in-channel sediments:

- 160 SCOIs were analyzed and 62 SCOIs were detected.
- No additional samples had PLER exceedances beyond the sample (RQQ-1023+00-IC44) already identified in the upper 1-ft interval.
- All other SCOIs were screened out through the steps of the screening process.

In summary for the banks:

- 160 SCOIs were analyzed and 82 SCOIs were detected.
- No PLER exceedances in bank soil samples.
- All SCOIs were screened out by the steps of the screening process.

The single in-channel sample where total PAHs exceeded the PLER of 15.1 mg/kg (RQQ-1023+00-IC44) is not retained for further consideration because it is an isolated sample and, at a concentration of 15.6 mg/kg, only marginally exceeds the site-specific PLER. PAH concentrations in the immediately upstream and downstream samples ranged from 0.7 to 1.4 mg/kg. Moreover, when considering data from Tittabawassee River Segments, there is no pattern of PAH concentrations moving downstream from the Dow plant. This appears to be an isolated location containing PAHs exceeding the PLER. In addition, PAHs are anthropogenic compounds commonly found in the environment due to run-off from impervious surfaces such as roads and roofs. Thus, SCOIs are not a basis for action in Segments 4-7.

1 Introduction

This report presents detailed information about the screening process for secondary constituents of interest (SCOI) to support the Tittabawassee River, Segments 4 through 7 Response Proposals. For the purposes of this document, SCOIs are defined as constituents of interest other than chlorinated dibenzo-p-dioxins and furans (dioxins and furans) (i.e., compounds that are measured and reported according to their relationship to dioxin toxicity equivalents [TEQs]). The SCOI screening focuses on potential exposures to ecological receptors from constituents associated with in-channel sediments. In addition, this SCOI screening includes consideration of bank soils as a potential source of SCOIs to the in-channel sediments.

This report presents the methodology and findings of a comprehensive, iterative, risk-based screening process conducted to identify SCOIs that pose unacceptable ecological risk. The SCOI screening process for Segments 4-7 described herein is the same approach used for the SCOI screening in Segments 1, 2, and 3 Response Proposals.[2] Segments 4-7 screening used the same screening steps (described further below), site-specific toxicity thresholds, and other published benchmarks as those used in previous Response Proposals. The Segments 1 and 2 Response Proposals provide a very detailed summary of the SCOI screening process (Dow 2011, 2013).

1.1 Objectives

The objectives of this report are to:

- Identify the data used for the SCOI screening of in-channel sediment and bank soil
- Describe the comprehensive, iterative, risk-based screening process that is consistent with United States Environmental Protection Agency (EPA) guidance (1997, 2001)
- Summarize the results of the SCOI screening for in-channel sediment and bank soil

[2] The Segments 4-7 SCOI screening is most similar to the Segments 2 and 3 screening because it includes bank soils. Bank soils were included in Segments 2 through 7 screening because bank stability issues were considered more of a concern than in Segment 1.

1.2 Organization

The remainder of this report is organized as follows:

- Section 2 provides an overview of available in channel sediment and bank data, including the Segments 4-7 data as well as screening considerations (background data, site-specific screening levels, and data obtained from scientific literature).
- Section 3 describes the screening process.
- Section 4 details the screening results for ecological receptors.
- Section 5 provides a summary of the SCOI screening.
- Section 6 identifies references cited.

2 Overview of Available Data

This section provides an overview of the data used in the SCOI screening. Segments 4-7 in-channel sediment and bank soil data used in the screening are summarized in Section 2.1. An overview of the background data used in the screening is provided in Section 2.2 and the details for grouping of SCOIs into constituent mixtures are provided in Section 2.3. Finally, the SCOI screening criteria are specified in Section 2.4.

2.1 Segments 4-7 Data Used for SCOI Screening

Surface sediment samples were screened to identify whether there were any SCOIs that might pose an unacceptable ecological risk. The sediment screening is presented for surface sediment defined as the upper one foot of sediment[3] (additional screening of the upper two feet of sediment was conducted as part of an uncertainty analysis and is discussed in Section 4.3). All the locations from which in-channel sediment was collected from Segments 4-7 are shown on Figure 1A. Screening of sediment from the upper one foot is based on 49 samples collected from 48 surface sediment sample locations shown on Figure 1B. Screening of the upper two feet of sediment is based on 71 samples collected from 66 sediment sample locations (Figure 1C). Data from investigations occurring between August 2008 and December 2008 were considered in this screening. This analysis is considered a conservative screening approach because SCOI locations were selected based on depositional characteristics within the river channel, where the highest concentrations of SCOIs would be expected to accumulate. The Michigan Department of Environmental Quality (DEQ) was involved in the selection of sediment SCOI locations and in the list of SCOIs considered.

Bank soil samples were screened to assess whether bank soils could be a potential source of SCOIs to in-channel river sediments and then pose an unacceptable risk to ecological receptors. The bank soil screening is based on 109 samples collected from 27 sample locations shown on Figure 1D. DEQ was involved in the selection of bank soil SCOI locations and the list of SCOIs considered. Where bank soils were sampled at multiple depth intervals, the bank soil screening was conducted using length weighted averages (LWAs). This approach is considered conservative and protective because erosion of banks into the river would also involve considerable mixing with clean soil and sediment. Attachment 1 provides a summary of all bank intervals sampled. Attachment 2 provides a full reporting of bank soil data at all depths which comprise the LWAs used in the screening.

Tables 1A and 1B present an overview of SCOI groups analyzed at different sediment locations and core depths within Segments 4-7. Specifically, Table 1A identifies how many SCOIs were analyzed at each in-channel sediment sampling location, and Table 1B identifies the individual SCOIs referred to in Table 1A. Similarly, Table 2A indicates how many SCOI were analyzed at each bank soil location, and Table 2B specifies those SCOIs. The following summary describes the numbers of SCOIs that were included in the analysis of Segments 4-7 in-channel sediment and bank soil samples.

[3] The upper one foot of sediment is defined by a sample with a start depth of less than one foot.

All Segments 4-7 in-channel surficial sediment samples (49 samples) and 17 of the LWA bank soil samples were analysed for 160 SCOIs. The remaining 27 LWA bank soil samples were analysed for 158 SCOIs. The difference between 158 and 160 SCOIs was the addition of 2-phenylphenol and *p*-tert-butylphenol (Table 2B). One sediment sample (RBB-614+00-IC176) did not have a mercury result but mercury was analyzed in sediment samples both upgradient and downgradient from RBB-614+00-IC176, so this is not considered a data gap.

2.2 Sediment and Soil Background Data

The SCOI screening includes consideration of background conditions (USEPA 2001, 2002, US Navy 2000). The background data used for Segments 4-7 are the same as those used in the Segments 1, 2, and 3 Response Proposals (Dow 2011, 2013, 2014). Site-specific background constituent concentrations for in-channel sediments and bank soils were determined through sampling and analysis of upstream locations uninfluenced by Dow's Michigan Operations facility. Background concentrations based on these sample analyses are summarized in Table 3A and are described below.

Sediment Screening:

Sediment background values are the maximum background concentrations from sediment samples collected from the Chippewa River (12 locations), Pine River (5 locations), and upstream Tittabawassee River (6 locations) during investigations occurring in 2008 and 2009 (Figure 2).

Bank Soil Screening:

- Bank soils were also screened against sediment background values because banks were evaluated as a potential source of SCOIs to the river (i.e., this evaluation was conducted to consider whether erosion of chemicals from the banks may cause harm to sediment dwelling organisms). Therefore, a comparison to background in-channel sediment conditions was deemed appropriate.
- In addition, bank soils are a natural source of sediment to the river, so consideration of background soil conditions was appropriate (i.e., naturally occurring conditions in soil should not be considered a source of contaminants to the river). Two sources of background values were considered:
    - Maximum and median soil background values were taken from the 2005 Michigan Background Soil Survey (MBSS) (MDEQ 2005).
    - Mean soil background values for Michigan were taken from the US Geological Survey (USGS) "Element Concentrations in Soils and other Surficial Materials of the Conterminous United States" (USGS 1984).

2.3 Grouping of SCOIs into Constituent Mixtures

Total chlorobenzenes (Total CBs), total chlorophenols (Total CPs), and total polycyclic aromatic hydrocarbon (Total PAHs) were considered in the screening process, as the site-specific risk-based screening levels derived as part of the toxicity testing effort were based on these constituent mixtures. This section identifies the individual compounds that comprise each

mixture. This is consistent with how constituent mixtures were handled in the Segments 1, 2, and 3 Response Proposals (Dow 2011, 2013, 2014).

Concentrations of the following 10 chlorobenzene compounds were summed to obtain a total CB mixture concentration:

- 1,2-dichlorobenzene
- 1,3-dichlorobenzene
- 1,4-dichlorobenzene
- 1,2,3-trichlorobenzene
- 1,2,4-trichlorobenzene
- 1,2,3,4-tetrachlorobenzene
- 1,2,4,5-tetrachlorobenzene
- Chlorobenzene
- Hexachlorobenzene
- Pentachlorobenzene

Concentrations of the following eight chlorophenol compounds were summed to obtain a total CP mixture concentration:

- 2-chlorophenol
- 2,4-dichlorophenol
- 2,6-dichlorophenol
- 2,4,5-trichlorophenol
- 2,4,6-trichlorophenol
- 2,3,4,6-tetrachlorophenol
- Pentachlorophenol
- 4-chloro-3-methyl phenol

Concentrations of the following 17 PAH compounds were summed to obtain a total PAH mixture concentration:

- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(g,h,i)perylene
- Benzo(k)flouranthene
- Chrysene
- Dibenz(a,h)anthracene
- Fluoranthene
- Fluorene
- Indeno(123-c,d)pyrene
- Naphthalene
- Phenanthrene
- Pyrene
- 2-Methylnaphthalene

2.4 SCOI Screening Criteria for Ecological Receptors

Risk-based screening criteria were developed from the results of site-specific sediment toxicity testing and from data compiled from scientific literature. This section describes the development and use of these risk-based screening criteria which are provided in Table 3B. Table 3B provides values that were (a) empirically determined from site-specific sediment toxicity testing

and are referred to as potential low exposure and risk (PLERs), (b) site-specific screening levels (SSSLs), and (c) ecological screening level benchmarks (ESLBs).

2.4.1 PLERs

PLERs are concentrations based on results from site-specific sediment toxicity testing datasets using samples tested from Segments 1 and 2 (as conducted as part of the Segment 1 Response Proposal). The basis of developing PLERs and SSSLs was described Appendices B1 and B2 of the Segment 1 Response Proposal (Dow 2011). Sediment toxicity testing was conducted over five sampling events between November 2008 and November 2009, using two sediment-dwelling test organisms (the midge *Chironomus tentans* and the amphipod *Hyalella azteca*). Each organism was evaluated for two endpoints (survival and growth). A total of 16 locations in the Tittabawassee River were sampled, and a single Chippewa River reference location was included with each sampling event. The tests were conducted using standard test protocols and the test results passed all acceptability criteria. The 16 samples that comprised the sediment toxicity testing datasets were analyzed for up to 175 SCOIs including, but not limited to metals, chlorobenzenes, chlorophenols, PAHs, and pesticides. Total organic carbon (TOC) also was analyzed concurrently in all sediment toxicity testing samples.

Constituent concentrations and sediment TOC data were used to identify the constituents most likely contributing to biological responses observed in the tested samples. Each SCOI was evaluated in comparison to literature based toxicity benchmarks. SCOI concentration gradients were carefully evaluated against changes in biological responses. For SCOIs that were identified to have the potential to contribute to observed toxicity, concentration-response curves were developed. Specifically, the concentration-response curves plotted increasing sediment concentrations of individual SCOIs (e.g., arsenic) or a group of closely related SCOIs (e.g., total chlorobenzenes) versus the measured biological responses (percent survival and growth of test organisms relative to reference or control results). Toxicity thresholds (i.e., PLERs) were defined for six “target SCOIs” in Segment 1 as those concentrations (milligram per kilogram [mg/kg]) that were determined empirically to be associated with low potential toxicity, as follows:

- Total CBs: 33 mg/kg
- Total CPs: 26 mg/kg
- Total PAHs: 15 mg/kg
- Arsenic: 150 mg/kg
- o-PP: 92 mg/kg
- Ethyl parathion (EP): 0.36 mg/kg

Each of the PLERs defined in the Segment 1 Response Proposal were used for the Segments 4-7 SCOI screening.

2.4.2 SSSLs and ESLBs

SSSLs were summarized based on the sediment toxicity testing data set as part of the Segment 1 Response Proposal in a manner similar to the development of PLERs. To determine SSSLs for SCOIs, the Segments 1 and 2 sediment toxicity testing data set was analyzed to identify SCOI concentration gradients that were potentially associated with toxicity. Data were grouped into categories consistent with the biological responses observed in toxicity testing: ambient background, no significant risk, potential low exposure and risk (i.e., the PLER), and potential

exposure and risk[4]. Many of the SCOIs did not contribute to any of the toxicity seen in the sediment toxicity samples. This was obvious because many of the SCOIs did not show concentration gradients that were related to biological responses (i.e., some SCOIs had highest concentrations in samples that showed no toxicity and lowest concentrations in samples with highest toxicity). Therefore, the maximum SCOI concentration among the three categories (ambient background, no significant risk, and PLER) was designated the SSSL.

ESLBs were used in conjunction with the SSSLs because many of the SCOIs were detected at concentrations lower than published ESLBs. In these situations, ESLBs were also used in conjunction with SSSLs, where both the SSSL and the ESLB must be exceeded for an SCOI to be retained for further consideration. For example, the SSSL of 13 mg/kg was identified for cobalt based on the sediment toxicity testing dataset. Cobalt was not considered likely to contribute to any toxicity in the Segment 1 toxicity testing results, as it was seen in the data grouping with very good survival and growth results. Cobalt was detected at lower concentrations in samples with less favorable biological responses. The ESLB for cobalt is 50 mg/kg, based on the 2003 EPA Region 5 Ecological Screening Levels (ESLs) (USEPA 2003a). Therefore, for screening Segment 3 SCOIs, the maximum of the SSSL and the ESLB is appropriate. The ESLBs used for Segments 4-7 are the same as those used for the Segment 1 screening, based on the 2003 EPA Region 5 ESLs. Where Region 5 ESLs were unavailable, the equilibrium partition (EqP) approach was used, as described in the Segment 1 Response Proposal.

2.4.3 EqP and Other Published Benchmarks

EPA guidance indicates that expressing benchmarks in terms of EqP for organic constituents on a carbon-normalized basis (i.e., microgram (µg) constituent per gram organic carbon) allows one to correlate measured effects on benthic invertebrates with the carbon-normalized concentrations (USEPA 2003a, 2008). Carbon normalization improves predictions of exposure-response relationships for non-ionic organic constituents because it focuses on the bioavailable fraction or concentration of a given constituent (i.e., in sediment pore water) rather than total constituent concentrations in whole sediments.

EqP-based benchmarks derived using EPA guidance are provided on Table 3C. The criteria values come from EPA guidance (USEPA 2003b,c, 2008) or other relevant documents such as EPA's EPI Suite (USEPA 2013), state regulatory agencies, and Agency for Toxic Substances and Disease Registry (ATSDR) toxicity profiles. Water quality criteria were obtained from EPA's National Recommended Water Quality Criteria (NRWQC) criteria maximum concentrations (CMCs) (USEPA 2012), DEQs Rule 57 Water Quality Values (MDEQ 2014), and cleanup levels from Florida Department of Environmental Protection (FDEP) (FDEP 2005). When K_{OC} (adsorption coefficient) values were not available from EPA guidance (USEPA 2003b,c, 2008) they were obtained from ATSDR Toxicological Profiles (ATSDR 2012) and FDEP cleanup level development documents (FDEP 2005). High quality sediment toxicity data for diethyl phthalate

[4] This evaluation was provided in Tables B1.2C and Table B2.3 of the Segment 1 Response Proposal. Specifically, Table B1.2C of the Segment 1 Response Proposal identifies the maximum concentration for each SCOI within each grouping. Table B2.3 of the Segment 1 Response Proposal provides all supporting analytical data for the SSSLs (Dow 2011).

are available in Call et al. (2001) and were used as the basis for that SCOIs benchmark rather than one derived based on the EqP approach described above.

3 SCOI Screening Process

The SCOI screening analysis completed for Segments 4-7 followed the steps indicated below for both in-channel sediment and bank soil. The SCOI screening process for Segments 4-7, described in detail in Section 2, is the same approach used for the SCOI screening in both Segments 1, 2, and 3. The results of this screening are provided in Section 4.

- Identify the data used for the SCOI screening analysis and determine if the SCOI was detected. Constituents detected were retained for further consideration.
- Identify SCOIs that were detected at concentrations exceeding background values. SCOIs with concentrations greater than background were retained for further consideration.
- Sum individual chlorobenzenes, chlorophenols, and PAHs into constituent mixtures for comparison to PLERs.
- Compare the concentrations of target SCOIs to PLERs. Concentrations that exceed the PLER were retained for further consideration in the final step of the screening process and by-passed any further screening. SCOIs lacking PLERs were also carried further in the screening process. Concentrations that did not exceed the PLER were not retained for further consideration.
- Compare the SCOI concentrations to SSSLs and ESLBs. Concentrations that do not exceed the SSSLs and ESLBs were not retained for further consideration. SCOIs exceeding the SSSLs and ESLBs (or those lacking SSSLs and ESBLs) were carried further in the screening process.
- Compare the SCOI concentrations to EPA's EqP benchmarks as well as other published benchmarks, such as those from spiked sediment studies based on effects benchmarks for survival, growth, and reproduction.
- Consider the frequency of detection (FoD) of the SCOI. FoD is a commonly used decision criteria and is founded in EPA guidance (USEPA 2001).

The final step for the bank soil screening was focused on consideration of the bank erosion as a potential source of SCOIs for the river. In this step, consideration was given to whether the bank soils contained constituent concentrations that could pose a risk to sediment dwelling organisms. If so, consideration was also given to whether constituents were present in the river at concentrations that could pose a risk to sediment dwelling organisms (i.e., was the SCOI retained for further consideration for in-channel sediments). If both conditions were met, the bank SCOI was retained for further consideration. Consistent with the approach used in the Response Proposals for Segments 1, 2, and 3 (Dow 2011, 2013, 2014), if the SCOI was not present in the river sediments at a concentration that could pose a risk to sediment dwelling organisms, the banks were not considered a relevant source to the river sediments.

4 SCOI Screening Results

This section provides the results of SCOI screening of sediments and bank soils. The SCOI screening results are presented in a series of tables, and are described separately for sediments and bank soils (Sections 4.2 and 4.3, respectively). Finally, this section also includes an uncertainty analysis related to the screening results.

4.1 In-Channel Sediment SCOI Screening Detailed Results

The sediment screening details that support the summary in Section 4.1 are provided on Tables 4 through 6, as follows:

- Table 4 provides an overview of SCOIs analyzed and detected within in channel sediments. Results for those SCOIs not detected in sediments are provided in Attachment 3.
  - 160 SCOIs were analyzed in sediments. 57 SCOIs were detected in the upper one foot sediment interval.
  - The last row of the table shows the number of SCOIs that were detected at each location.
- Table 5A provides the results for each SCOI detected in sediment. The maximum concentration of each SCOI is provided and the associated location of the maximum SCOI concentration is highlighted.
- Table 5B provides an overview summary for those SCOIs detected and evaluated in Table 5A. This table indicates how each SCOI was screened out on a location-specific basis. The table also identifies (cells highlighted in blue) the SCOIs carried further in the screening and locations where those SCOIs occur. Table 5C provides a simplified summary of the sediment screening on a SCOI-specific basis and identifies those SCOIs that are considered further in the screening process.
  - 7 SCOIs were screened out because they did not exceed background.
  - 20 SCOIs were screened out for evaluation as individual compounds because they were accounted for in total mixture concentratrions.
  - 4 SCOIs (arsenic, 2-phenylphenol, total chlorophenols, and total chlorobenzenes) were screened out because they did not exceed the PLER.
  - 26 SCOIs did not have a PLERs and were compared to ESLBs and SSSLs. 14 of those SCOIs were screened out because they did not exceed the ESLB and SSSL. 12 sediment SCOIs were retained for further screening.
- Table 6A provides a summary of SCOIs compared to EqP benchmarks and other published benchmarks.
  - This table shows the 12 sediment SCOIs that were not screened out in the comparison to individual screening criteria and are included in the EqP evaluation. An EqP or other published benchmark was not identified for total PAHs.

  - All SCOIs compared to EqP benchmarks (bis(2-ethylhexyl)phthalate) or other published benchmarks (beryllium, boron, cadmium, lithium, potassium, selenium, sodium, thallium, vanadium, and zinc) were screened out in sediment given the low FoD exceeding the benchmarks (less than 5%).

- In Table 6B total PAHs were compared to organic carbon normalized no significant risk (NSR) value developed in the Segment 1 Response Proposal.
  - The total PAH concentration from one sample (RQQ-1023+00-IC44; 0.5-1 ft) was not screened out during the comparison to individual screening criteria (Table 5B) and was compared to the NSR value. The total PAH concentration of this sample (223 µg/gOC) was less than the NSR value (1373 µg/gOC). Therefore, total PAH was screened out.

The results of the in-channel sediment risk-based screening are summarized in Table 6C. All SCOIs screen out using this risk-based screening process. Therefore, SCOIs within in channel sediments in Segments 4-7, do not pose unacceptable risks to the sediment dwelling community.

4.2 Bank SCOI Screening Detailed Results

The bank soil screening details that support the summary in this section are provided in Tables 7 and 8, as follows:

- Table 7A provides the results for each SCOI detected in the bank soils. The maximum concentration of each SCOI is provided and the associated location of the maximum SCOI concentration is highlighted. Attachment 4 identifies those SCOIs not detected in the bank samples.
  - 82 of 160 SCOIs were detected in the bank soil.

- Table 7B provides an overview summary for those SCOIs detected in the bank soils and summarizes how each SCOI was screened out on a location-specific basis and which SCOIs are carried further in the screening. Table 7C provides a simplified summary of the bank soil screening on a SCOI-specific basis and identifies those SCOIs that are considered further in the screening process.
  - 29 SCOIs were screened out because they did not exceed background.
  - 24 SCOIs were screened out for evaluation as individual compounds because they were accounted for in total mixture concentrations.
  - 4 SCOIs (parathion, total chlorophenols, total chlorobenzenes, and total PAHs) were screened out because they did not exceed the PLER.
  - 25 SCOIs did not have PLERs and were compared to ESLBs and SSSLs. 12 of those SCOIs were screened out because they did not exceed the ESLB and SSSL. 13 SCOIs in soil were retained for further screening.

- Table 8A provides a summary of SCOIs compared to EqP benchmarks and other published benchmarks.

- This table shows the 12[5] bank soil SCOIs that were not screened out in the comparison to individual screening criteria and are included in the EqP evaluation.
- The relevant EqP benchmark for 4,4'-DDE and 4,4'-DDT is a single value that applies to 4,4-DDT and its metabolites (DDD and DDE). Therefore, the concentrations of DDT, DDE, and DDD in each sample were summed to compare to relevant benchmark.
- Except for iron, all SCOIs (4,4-DDT (and metabolites), alpha-BHC, beta-BHC, dieldrin, endosulfan I, endrin, aniline, and bis(2-ethylhexyl)phthalate) or other published benchmarks (diethylphthalate, manganese, and silver) were screened out in sediment given the low FoD exceeding the benchmarks (less than 5%).
- The FoD exceeding the benchmark for iron was 11% (3/27). Since iron was not present in the in-channel sediments at a concentration that could pose a risk to sediment dwelling organisms, the banks were not considered a relevant source to the river sediment. Iron was not retained for further consideration for in-channel sediments.

The results of the bank soil risk-based screening are summarized in Table 8B. All bank soil SCOIs screened out in this risk-based screening process. Therefore, it can be concluded that there is no concern for unacceptable risks from the banks as a source of SCOIs to the in-channel sediments.

4.3 Sensitivity and Uncertainty Analyses

The SCOI screening included a sensitivity analysis for the upper 1 foot interval compared to the upper 2 foot interval of the sediment column. This analysis is provided in Section 4.3.1. In addition, because the bank soil screening included several background soil and sediment datasets, the uncertainty analysis described in Section 4.3.2 was conducted to consider whether the use of the DEQ median soil dataset would have altered the screening outcome.

4.3.1 Sensitivity Analysis

Attachments 5A, 5B, and 5C provide the sensitivity analysis for the upper two feet of the sediment column, as defined by a start depth of less than two feet. Attachment 5A shows the additional risk-based screening analysis for those SCOIs that were detected and exceeded background, PLERs, ESLBs, and SSSLs for the upper 2 feet of sediment. The background values, PLERs ESLBs, and SSSLs were the same as those used for the upper 1 foot SCOI screening already discussed in detail. Attachment 5A shows the maximum SCOI concentrations for the upper 2 feet of the sediment column as well as the EqP benchmarks and the other published benchmarks used. Attachment 5B provides total PAHs compared to the organic carbon normalized no significant risk (NSR) value developed in the Segment 1 Response Proposal. Attachment 5C provides a summary of the screening process for the upper 2 feet of sediment. The following observations are provided:

- One SCOI (Total PAHs) was detected in sediment in the upper two feet depth interval at concentrations exceeding its PLER.

[5] This table shows 12 rather than 13 SCOIs because 4,4'-DDE and 4,4'-DDT are combined under 4,4'-DDT (and metabolites).

- Twelve SCOIs were detected in the upper two feet depth interval at concentrations that exceeded background, ESLBs, and SSSLs (Attachment 5A and 5B). One of the SCOIs differs from the shallower interval (di-n-butyl phthalate).
- All SCOIs compared to EqP benchmarks (di-n-butyl phthalate and bis(2-ethylhexyl)phthalate) or other published benchmarks (beryllium, boron, cadmium, lithium, potassium, selenium, sodium, thallium, vanadium, and zinc) were screened out in sediment given the low FoD exceeding the benchmarks (less than 5%).
- As in the upper 1 foot depth interval, total PAHs were compared to organic carbon normalized no significant risk (NSR) value developed in the Segment 1 Response Proposal. The total PAH concentration from one sample (RQQ-1023+00-IC44; 0.5-1 ft; the same sample as in the upper 1 foot depth interval analysis) was not screened out during the comparison to individual screening criteria and was compared to the NSR value. The total PAH concentration of this sample (223 µg/gOC) was less than the NSR value (1373 µg/gOC). Therefore, total PAH was screened out.

All SCOIs screen out for the upper 2 feet depth interval using the risk-based screening process.

4.3.2 Bank Soil Uncertainty Analysis

Median background soil values reflect a midpoint concentration within the dataset. Use of the median value alone is overly conservative because, by definition, approximately half of all naturally occurring concentrations exceed median values. The qualitative consideration of the median values among the other datasets provided in the Segment 2 Response Proposal demonstrated that the outcome of the SCOI screening was protective for the evaluation of bank soils as a source of SCOIs to the river. Attachment 6 presents a qualitative evaluation of the impact of using median background values in the screening process. It demonstrates that the outcome of the SCOI screening is conservative and protective for the evaluation of bank soils as a source of SCOIs to the river.

5 Summary and Conclusions

This report describes the comprehensive, iterative, risk-based screening process that was used to identify SCOIs that pose potential ecological risks for in-channel sediments and bank soils. This analysis is considered a conservative screening approach because SCOI locations were selected based on depositional characteristics within the river channel, and therefore, these locations reflect the areas of the river where highest concentrations of SCOIs would be expected to accumulate. DEQ was involved in the selection of sediment and bank SCOI locations as well as the list of SCOIs analyzed for each location. This screening used the same screening steps, the same site-specific toxicity thresholds, and other published benchmarks as those used in the Response Proposals for Segments 1, 2, and 3. This report provides a detailed summary of all benchmarks considered and all data used, and it identifies how each SCOI was considered and evaluated in the screening process. Uncertainty analyses were also conducted and supported the screening process. The SCOI screening results support the conclusions that:

- All in-channel SCOIs screen out using this risk-based screening process. Therefore, SCOIs do not pose unacceptable risks to the sediment dwelling community.
- All bank soil SCOIs screened out in this risk-based screening process. Therefore, it can be concluded that there is no concern for unacceptable ecological risks from the banks as a source of SCOIs to the in-channel sediments.

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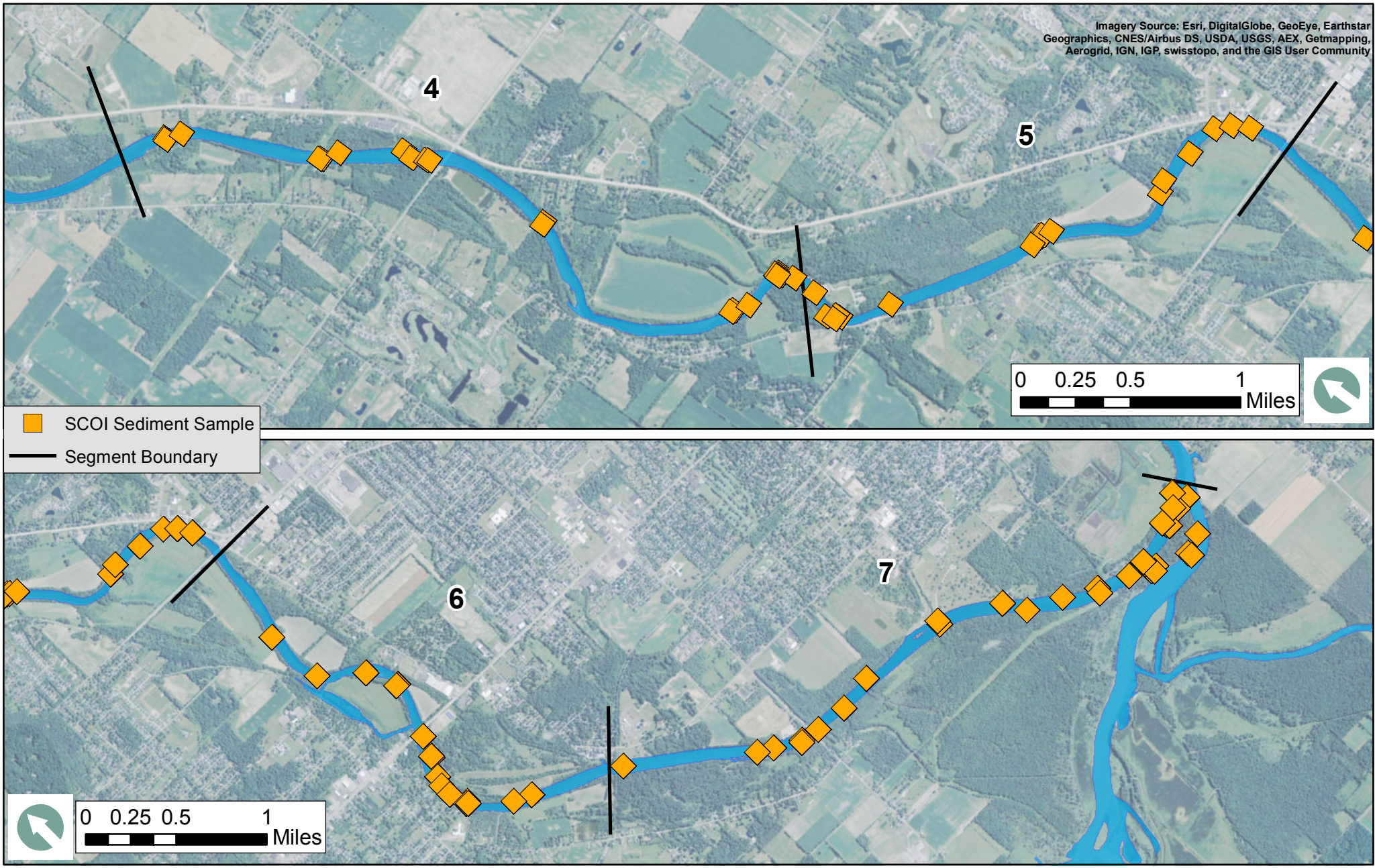
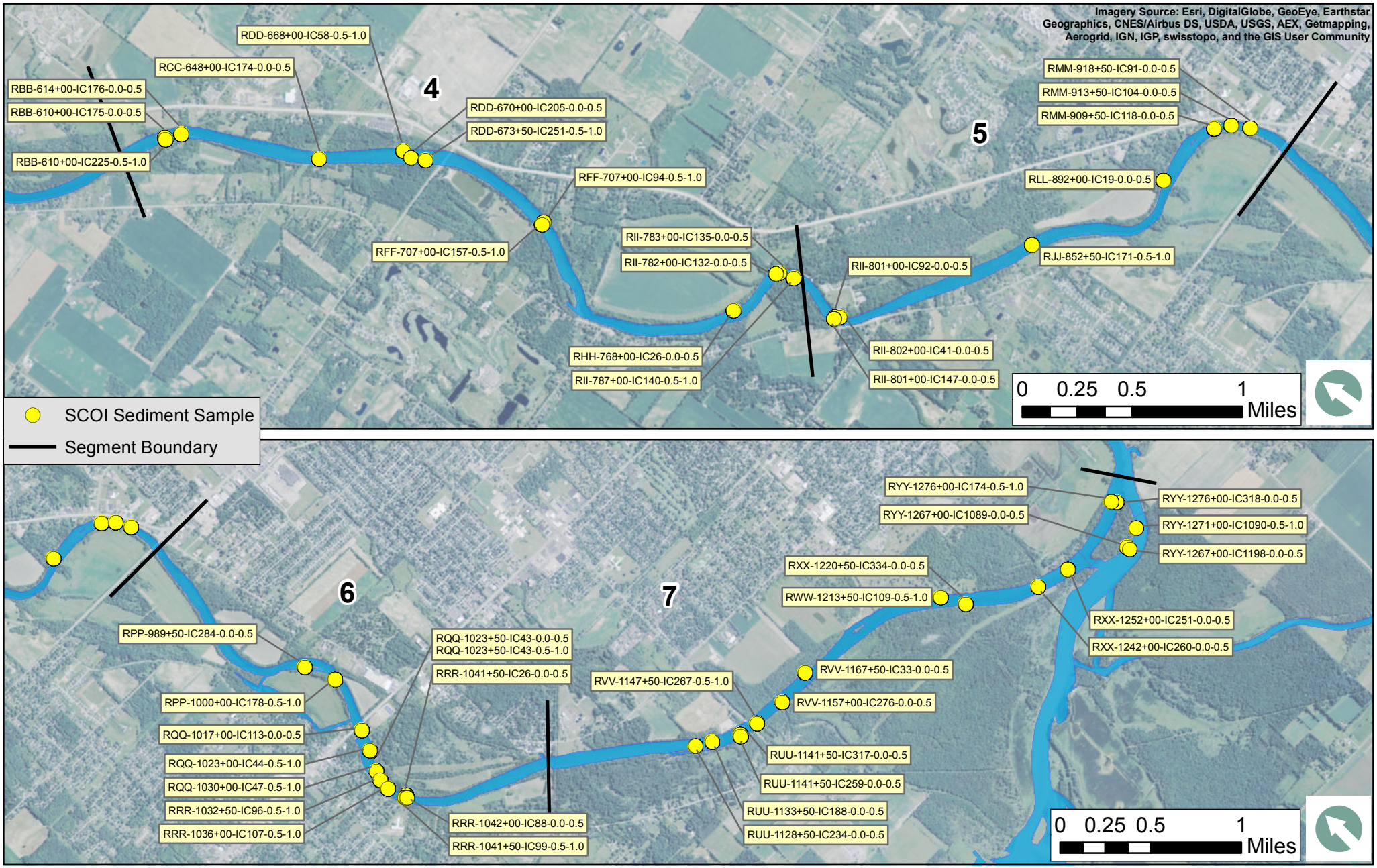
Figures



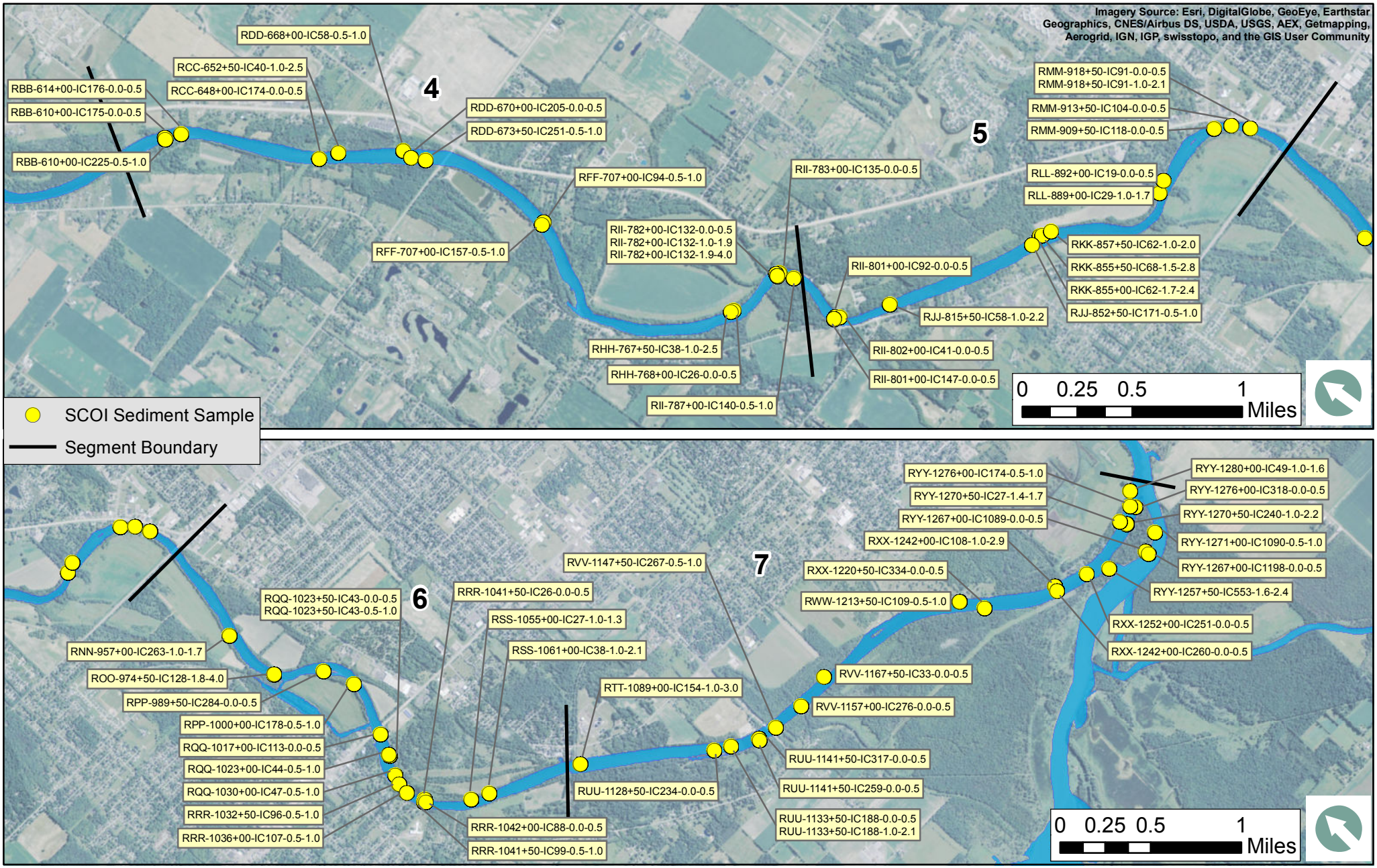
Segments 4-7 In-Channel
Sediment SCOI Sampling Locations
Segment 4-7 SCOI Screening

Figure
1A



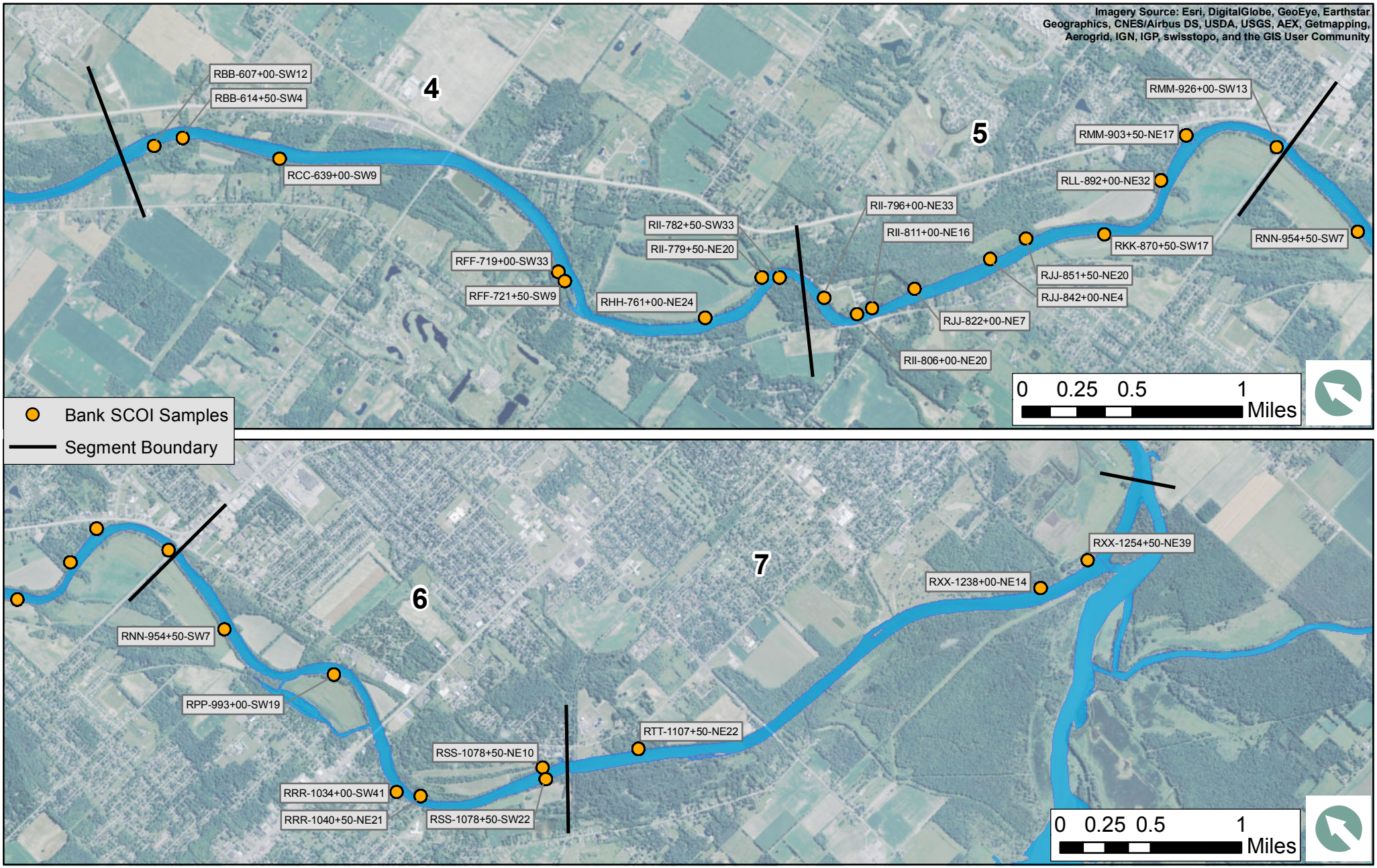
Segments 4-7 In-Channel
Sediment SCOI Sampling Locations: Upper 1 Foot Interval
Segment 4-7 SCOI Screening

Figure 1B



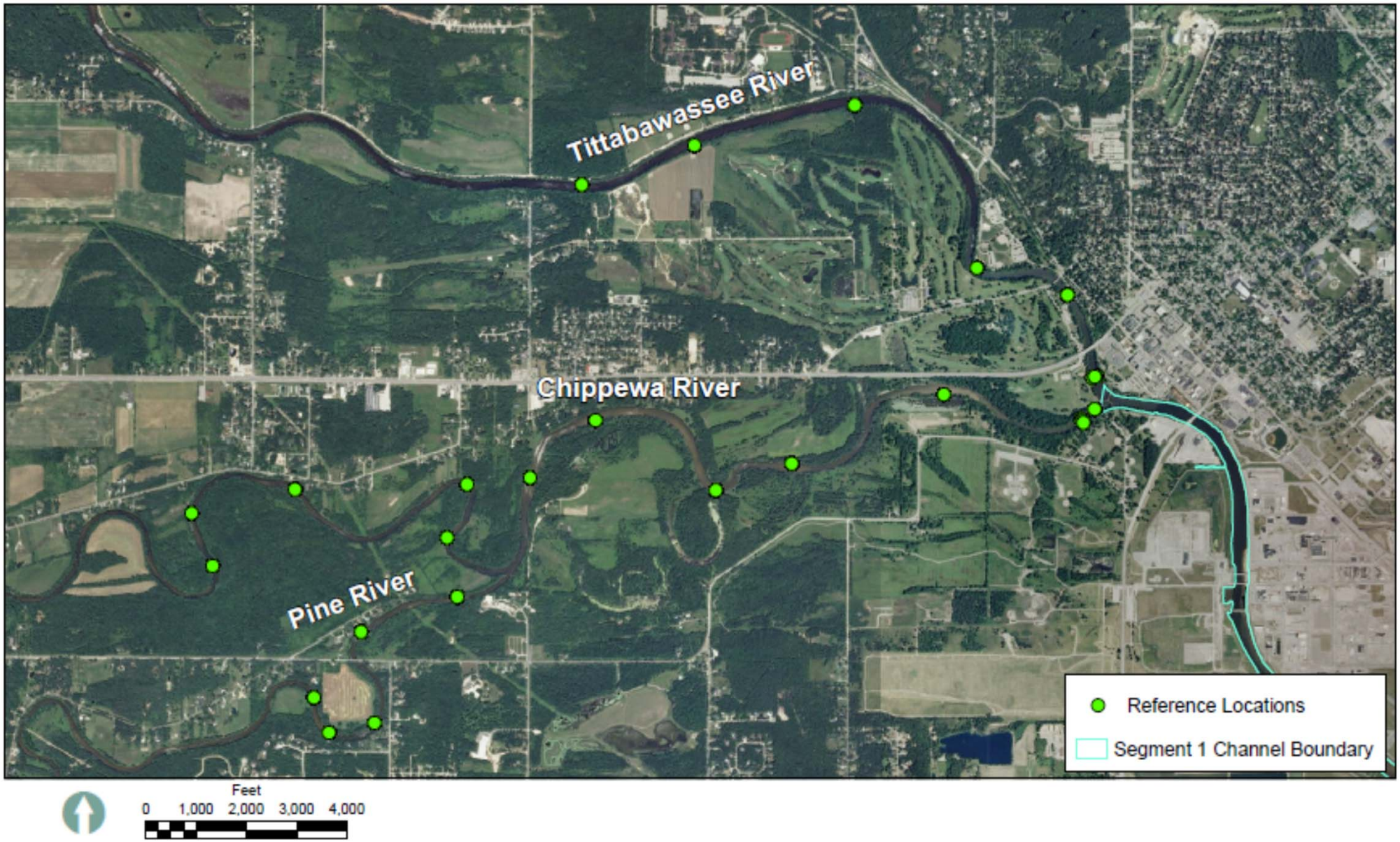
Segments 4-7 In-Channel
Sediment SCOI Sampling Locations: Upper 2 Foot Interval
Segment 4-7 SCOI Screening

Figure 1C



Segments 4-7 Bank
Soil SCOI Sampling Locations
Segment 4-7 SCOI Screening

Figure 1D



Background In-Channel Sediment SCOI Sample Locations

Segments 4-7 Response Proposal, Appendix B: SCOI Screening

Figure 2

Tables

Table 1A: Overview of the Number of SCOIs Analyzed: In-Channel Sediment (upper 1 foot)
Segments 4-7 SCOI Screening

Segment	Location	Depth (feet)	160 SCOIs (a,b)
Segment 4	RBB-610+00-IC175	0-0.5	✓
	RBB-610+00-IC225	0.5-1	✓
	RBB-614+00-IC176	0-0.5	✓(c)
	RCC-648+00-IC174	0-0.5	✓
	RDD-668+00-IC58	0.5-1	✓
	RDD-670+00-IC205	0-0.5	✓
	RDD-673+50-IC251	0.5-1	✓
	RFF-707+00-IC157	0.5-1	✓
	RFF-707+00-IC94	0.5-1	✓
	RHH-768+00-IC26	0-0.5	✓
	RII-782+00-IC132	0-0.5	✓
	RII-783+00-IC135	0-0.5	✓
Segment 5	RII-787+00-IC140	0.5-1	✓
	RII-801+00-IC147	0-0.5	✓
	RII-801+00-IC92	0-0.5	✓
	RII-802+00-IC41	0-0.5	✓
	RJJ-852+50-IC171	0.5-1	✓
	RLL-892+00-IC19	0-0.5	✓
	RMM-909+50-IC118	0-0.5	✓
	RMM-913+50-IC104	0-0.5	✓
	RMM-918+50-IC91	0-0.5	✓
Segment 6	RPP-1000+00-IC178	0.5-1	✓
	RPP-989+50-IC284	0-0.5	✓
	RQQ-1017+00-IC113	0-0.5	✓
	RQQ-1023+00-IC44	0.5-1	✓
	RQQ-1023+50-IC43	0.5-1	✓
		0-0.5	✓
	RQQ-1030+00-IC47	0.5-1	✓
	RRR-1032+50-IC96	0.5-1	✓
	RRR-1036+00-IC107	0.5-1	✓
	RRR-1041+50-IC26	0-0.5	✓
	RRR-1041+50-IC99	0.5-1	✓
	RRR-1042+00-IC88	0-0.5	✓
Segment 7	RUU-1128+50-IC234	0-0.5	✓
	RUU-1133+50-IC188	0-0.5	✓
	RUU-1141+50-IC259	0-0.5	✓
	RUU-1141+50-IC317	0-0.5	✓
	RVV-1147+50-IC267	0.5-1	✓
	RVV-1157+00-IC276	0-0.5	✓
	RVV-1167+50-IC33	0-0.5	✓
	RWW-1213+50-IC109	0.5-1	✓
	RXX-1220+50-IC334	0-0.5	✓
	RXX-1242+00-IC260	0-0.5	✓
	RXX-1252+00-IC251	0-0.5	✓
	RYY-1267+00-IC1089	0-0.5	✓
	RYY-1267+00-IC1198	0-0.5	✓
	RYY-1271+00-IC1090	0.5-1	✓
	RYY-1276+00-IC174	0.5-1	✓
	RYY-1276+00-IC318	0-0.5	✓

Notes:

DEQ Michigan Department of Environmental Quality
SCOI secondary constituent of interest
(a) The individual SCOIs are provided on Table 1B.
(b) Site-Specific SCOI List (ATS 2009) including the addition of 2-phenylphenol and tert butyl phenol per DEQ direction (ATS 2012)
(c) The sample includes all SCOIs except mercury.

Table 1B: Summary of SCOIs Included in Analysis: In-Channel Sediment Samples
Segments 4-7 SCOI Screening

160 SCOIs
(E)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene
(E)-Beta-2,3,4,5,6-Hexachlorostyrene
(Z)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene
(Z)-Beta-2,3,4,5,6-Hexachlorostyrene
1,2,3,4-Tetrachlorobenzene
1,2,3-Trichlorobenzene
1,2,4,5-Tetrachlorobenzene
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,3,4,5,6-Pentachlorostyrene
2,3,4,6-Tetrachlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,6-Dichlorophenol
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylnaphthalene
2-Methylphenol (O-Cresol)
2-Nitroaniline
2-Nitrophenol
2-Phenylphenol
3,3'-Dichlorobenzidine
3-Methylphenol
3-Nitroaniline
4,6-Dinitro-2-Methylphenol
4-Bromophenyl Phenyl Ether
4-Chloro-3-Methylphenol
4-Chlorophenyl Phenyl Ether
4-Methylphenol (P-Cresol)
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Aldrin
Alpha BHC
Alpha-2,3,4,5,6-Hexachlorostyrene
Alpha-Chlordane
Aluminum
Aniline (Phenylamine, Aminobenzene)
Anthracene
Antimony
Arsenic
Azobenzene
Barium

Table 1B: Summary of SCOIs Included in Analysis: In-Channel Sediment Samples
Segments 4-7 SCOI Screening

160 SCOIs
Benzidine
Benzo(a)Anthracene
Benzo(a)Pyrene
Benzo(b)Fluoranthene
Benzo(g,h,i)Perylene
Benzo(k)Fluoranthene
Benzyl Alcohol
Benzyl Butyl Phthalate
Beryllium
Beta BHC
Beta Endosulfan
Beta,Beta-2,3,4,5,6-Heptachlorostyrene
Bis(2-Chloroethoxy) Methane
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)
Bis(2-Chloroisopropyl) Ether
Bis(2-Ethylhexyl) Phthalate
Bisphenol A
Boron
Cadmium
Calcium
Carbazole
Chlorobenzilate
Chlorpyrifos
Chromium, Total
Chrysene
Cis-Nonachlor
Cobalt
Copper
Delta BHC
Diallate (Total Of Cis And Trans Isomers)
Dibenz(a,h)Anthracene
Dieldrin
Diethyl Phthalate
Dimethoate
Dimethyl Phthalate
Di-N-Butyl Phthalate
Di-N-Octylphthalate
Dinoseb
Disulfoton
Endosulfan I
Endosulfan Sulfate
Endrin
Endrin Aldehyde
Famphur
Fluoranthene
Fluorene
Gamma BHC (Lindane)
Gamma-Chlordane
Gold
Heptachlor
Heptachlor Epoxide
Hexachlorobenzene
Hexachlorobutadiene

Table 1B: Summary of SCOIs Included in Analysis: In-Channel Sediment Samples
Segments 4-7 SCOI Screening

160 SCOIs
Hexachlorocyclopentadiene
Hexachloroethane
Indeno(1,2,3-c,d)Pyrene
Iron
Isodrin
Isophorone
Lead
Lithium
Magnesium
Manganese
Mercury
Methoxychlor
Methyl Chlorpyrifos
Mirex
Naphthalene
Nickel
Nitrobenzene
N-Nitrosodimethylamine
N-Nitrosodi-N-Propylamine
N-Nitrosodiphenylamine
O,P'-DDD
Octachlorostyrene
Oxychlordane
P,P'-DDD
P,P'-DDE
P,P'-DDT
Parathion, Ethyl
Parathion, Methyl
Pentachlorobenzene
Pentachloronitrobenzene
Pentachlorophenol
Phenanthrene
Phenol
Phorate
Polybrominated Biphenyls
Potassium
Propachlor
p-tert-Butylphenol
Pyrene
Pyridine
Ronnel
Selenium
Silver
Sodium
Strontium
Thallium
Tin
Titanium
Total Chlorophenols
Total Chlororbenzenes
Total PAHs
Toxaphene
Trans-Nonachlor
Vanadium
Zinc
Zinophos

Notes:

SCOI	secondary constituent of interest
Alpha BHC	alpha Hexachlorocyclohexane
Beta BHC	beta Hexachlorocyclohexane
Delta BHC	delta Hexachlorocyclohexane
PAHs	polycyclic aromatic hydrocarbons

Table 2A: Overview of SCOIs Analyzed: Bank Soil LWA
Segments 4-7 SCOI Screening

Segment	Location	158 SCOIs (a,b)	160 SCOIs (a,c)
Segment 4	RBB-607+00-SW12	✓	--
	RBB-614+50-SW4	✓	--
	RCC-639+00-SW9	✓	--
	RFF-719+00-SW33	✓	--
	RFF-721+50-SW9	✓	--
	RHH-761+00-NE24	--	✓
	RII-779+50-NE20	✓	--
	RII-782+50-SW33	✓	--
Segment 5	RII-796+00-NE33	--	✓
	RII-806+00-NE20	--	✓
	RII-811+00-NE16	--	✓
	RJJ-822+00-NE7	--	✓
	RJJ-842+00-NE4	--	✓
	RJJ-851+50-NE20	✓	--
	RKK-870+50-SW17	--	✓
	RLL-892+00-NE32	✓	--
	RMM-903+50-NE17	--	✓
	RMM-926+00-SW13	✓	--
Segment 6	RNN-954+50-SW7	--	✓
	RPP-993+00-SW19	--	✓
	RRR-1034+00-SW41	--	✓
	RRR-1040+50-NE21	--	✓
	RSS-1078+50-NE10	--	✓
	RSS-1078+50-SW22	--	✓
Segment 7	RTT-1107+50-NE22	--	✓
	RXX-1238+00-NE14	--	✓
	RXX-1254+50-NE39	--	✓

Notes:

LWA length weighted average
SCOI secondary constituent of interest
(a) The individual SCOI within each list is provided on Table 2B.
(b) Site-Specific SCOI List (ATS 2009) before additional SCOIs were added per DEQ direction (ATS 2012).
(c) Site-Specific SCOI List (ATS 2009) including the addition of 2-phenylphenol and tert butyl phenol per DEQ direction (ATS 2012).

Table 2B: Summary of SCOIs Included in Analysis: Bank Soil LWA Samples
Segments 4-7 SCOI Screening

158 SCOIs: 10 Samples	160 SCOIs: 17 Samples
(E)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene	158 SCOIs
(E)-Beta-2,3,4,5,6-Hexachlorostyrene	2-Phenylphenol
(Z)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene	p-tert-Butylphenol
(Z)-Beta-2,3,4,5,6-Hexachlorostyrene	
1,2,3,4-Tetrachlorobenzene	
1,2,3-Trichlorobenzene	
1,2,4,5-Tetrachlorobenzene	
1,2,4-Trichlorobenzene	
1,2-Dichlorobenzene	
1,3-Dichlorobenzene	
1,4-Dichlorobenzene	
2,3,4,5,6-Pentachlorostyrene	
2,3,4,6-Tetrachlorophenol	
2,4,5-Trichlorophenol	
2,4,6-Trichlorophenol	
2,4-Dichlorophenol	
2,4-Dimethylphenol	
2,4-Dinitrophenol	
2,4-Dinitrotoluene	
2,6-Dichlorophenol	
2,6-Dinitrotoluene	
2-Chloronaphthalene	
2-Chlorophenol	
2-Methylnaphthalene	
2-Methylphenol (O-Cresol)	
2-Nitroaniline	
2-Nitrophenol	
3,3'-Dichlorobenzidine	
3-Methylphenol	
3-Nitroaniline	
4,6-Dinitro-2-Methylphenol	
4-Bromophenyl Phenyl Ether	
4-Chloro-3-Methylphenol	
4-Chlorophenyl Phenyl Ether	
4-Methylphenol (P-Cresol)	
4-Nitroaniline	
4-Nitrophenol	
Acenaphthene	
Acenaphthylene	
Aldrin	
Alpha BHC	
Endosulfan I	
Alpha-2,3,4,5,6-Hexachlorostyrene	
Alpha-Chlordane	
Aluminum	
Aniline (Phenylamine, Aminobenzene)	
Anthracene	
Antimony	
Arsenic	
Azobenzene	
Barium	
Benzidine	
Benzo(a)Anthracene	
Benzo(a)Pyrene	
Benzo(b)Fluoranthene	
Benzo(g,h,i)Perylene	
Benzo(k)Fluoranthene	
Benzyl Alcohol	

Table 2B: Summary of SCOIs Included in Analysis: Bank Soil LWA Samples
Segments 4-7 SCOI Screening

158 SCOIs: 10 Samples	160 SCOIs: 17 Samples
Benzyl Butyl Phthalate	
Beryllium	
Beta BHC	
Beta Endosulfan	
Beta,Beta-2,3,4,5,6-Heptachlorostyrene	
Bis(2-Chloroethoxy) Methane	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	
Bis(2-Chloroisopropyl) Ether	
Bis(2-Ethylhexyl) Phthalate	
Bisphenol A	
Boron	
Cadmium	
Calcium	
Carbazole	
Chlorobenzilate	
Chlorpyrifos	
Chromium, Total	
Chrysene	
Cis-Nonachlor	
Cobalt	
Copper	
Delta BHC	
Diallate (Total Of Cis And Trans Isomers)	
Dibenz(a,h)Anthracene	
Dieldrin	
Diethyl Phthalate	
Dimethoate	
Dimethyl Phthalate	
Di-N-Butyl Phthalate	
Di-N-Octylphthalate	
Dinoseb	
Disulfoton	
Endosulfan Sulfate	
Endrin	
Endrin Aldehyde	
Famphur	
Fluoranthene	
Fluorene	
Gamma BHC (Lindane)	
Gamma-Chlordane	
Gold	
Heptachlor	
Heptachlor Epoxide	
Hexachlorobenzene	
Hexachlorobutadiene	
Hexachlorocyclopentadiene	
Hexachloroethane	
Indeno(1,2,3-c,d)Pyrene	
Iron	
Isodrin	
Isophorone	
Lead	
Lithium	
Magnesium	
Manganese	
Mercury	
Methoxychlor	
Methyl Chlorpyrifos	
Mirex	

Table 2B: Summary of SCOIs Included in Analysis: Bank Soil LWA Samples
Segments 4-7 SCOI Screening

158 SCOIs: 10 Samples	160 SCOIs: 17 Samples
Naphthalene	
Nickel	
Nitrobenzene	
N-Nitrosodimethylamine	
N-Nitrosodi-N-Propylamine	
N-Nitrosodiphenylamine	
O,P'-DDD	
Octachlorostyrene	
Oxychlordane	
P,P'-DDD	
P,P'-DDE	
P,P'-DDT	
Parathion, Ethyl	
Parathion, Methyl	
Pentachlorobenzene	
Pentachloronitrobenzene	
Pentachlorophenol	
Phenanthrene	
Phenol	
Phorate	
Polybrominated Biphenyls	
Potassium	
Propachlor	
Pyrene	
Pyridine	
Ronnel	
Selenium	
Silver	
Sodium	
Strontium	
Thallium	
Tin	
Titanium	
Total Chlorophenols	
Total Chlororbenzenes	
Total PAHs	
Toxaphene	
Trans-Nonachlor	
Vanadium	
Zinc	
Zinophos	

Notes:
LWA length weighted average
SCOI secondary constituent of interest
Alpha BHC alpha Hexachlorocyclohexane
Beta BHC beta Hexachlorocyclohexane
Delta BHC delta Hexachlorocyclohexane
PAHs polycyclic aromatic hydrocarbons

Table 3A: Sediment and Soil Background Values Used in Segments 4-7 SCOI Screening
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Sediment Background						Soil Background		
			Chippewa River		Pine River		Upstream Tittabawassee River[a]		MI Soil BKG (mg/kg)		Mean USGS Soil BKG
			mg/kg	Detect	mg/kg	Detect	mg/kg	Detect	Maximum	Median	(mg/kg)
Metal	Aluminum	7429-90-5	11000	Y	7700	Y	20000	Y	16324	3420	72000
	Antimony	7440-36-0	0.02	N	0.02	N	0.02	N	2.5	< 5	0.67
	Arsenic	7440-38-2	3	Y	1.6	Y	5.7	Y	27.7	3.8	7.2
	Barium	7440-39-3	46	Y	23	Y	28	Y	220	38	580
	Beryllium	7440-41-7	0.25	Y	0.15	Y	0.26	Y	1.8	<0.5	0.92
	Boron	7440-42-8	18	Y	11	Y	15	Y	--	--	33
	Cadmium	7440-43-9	0.04	N	0.16	Y	0.04	N	2.5	< 2	--
	Calcium	7440-70-2	170000	Y	180000	Y	190000	Y	--	--	24000
	Chromium (Total)	7440-47-3	8.8	Y	8.6	Y	9.5	Y	55	10	--
	Cobalt	7440-48-4	3.8	Y	2.6	Y	4.4	Y	12	< 5	9.1
	Copper	7440-50-8	9.7	Y	6.6	Y	8.2	Y	58	10	25
	Gold	7440-57-5	0.05	N	0.05	N	0.05	N	--	--	--
	Iron	7439-89-6	36000	Y	16000	Y	38000	Y	34233	5645	26000
	Lead	7439-92-1	4.7	Y	3.6	Y	4.7	Y	45	7.73	19
	Lithium	7439-93-2	11	Y	9.9	Y	19	Y	41	3.5	24
	Magnesium	7439-95-4	190000	Y	210000	Y	99000	Y	29875	824	9000
	Manganese	7439-96-5	1200	Y	420	Y	1800	Y	1391	190	550
	Mercury	7439-97-6	0.02	Y	0.00465	N	0.01	Y	0.6	< 0.1	0.089
	Nickel	7440-02-0	11	Y	7.6	Y	14	Y	39	11	19
	Potassium	7440-09-7	1400	Y	1200	Y	2300	Y	--	--	--
	Selenium	7782-49-2	0.45	Y	0.01	N	0.01	N	1.2	< 0.5	0.39
	Silver	7440-22-4	0.02	N	14	Y	23	Y	2	< 0.5	--
	Sodium	7440-23-5	340	Y	230	Y	310	Y	194.5	98	12000
	Strontium	7440-24-6	62	Y	47	Y	63	Y	150	100	240
	Thallium	7440-28-0	0.095	N	0.095	N	0.095	N	3.8	< 1	--
	Tin	7440-31-5	0.11	N	0.11	N	0.11	N	--	--	1.3
	Titanium	7440-32-6	150	Y	160	Y	130	Y	217	112	2900
	Vanadium	7440-62-2	11	Y	11	Y	13	Y	89	10.9	80
	Zinc	7440-66-6	27	Y	37	Y	27	Y	75	32	60
Pesticide	(E)-Beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.01	N	0.01	N	0.01	N	--	--	--
	Dinoseb	88-85-7	0.03	N	0.03	N	0.03	N	--	--	--
	4,4'-DDD	72-54-8	8.5	Y	0.04	Y	0.0045	N	--	--	--
	4,4'-DDE	72-55-9	0.0045	N	0.0045	N	0.0045	N	--	--	--
	4,4'-DDT	50-29-3	0.12	Y	0.004	N	0.004	N	--	--	--
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	--	--	--
	Chlorpyrifos	2921-88-2	0.01	N	0.01	N	0.01	N	--	--	--
	Alpha-Chlordane	5103-71-9	0.004	N	0.004	N	0.004	N	--	--	--
	Cis-Nonachlor	5103-73-1	0.0045	N	0.0045	N	0.0045	N	--	--	--
	Diallate	2303-16-4	0.0035	N	0.0035	N	0.0035	N	--	--	--
	Dieldrin	60-57-1	0.005	N	0.005	N	0.005	N	--	--	--
	Dimethoate	60-51-5	0.005	N	0.005	N	0.005	N	--	--	--
	Disulfoton	298-04-4	0.005	N	0.005	N	0.005	N	--	--	--
	Alpha Endosulfan	959-98-8	0.0045	N	0.0045	N	0.0045	N	--	--	--
	Beta Endosulfan	33213-65-9	0.004	N	0.004	N	0.004	N	--	--	--
	Endosulfan Sulfate	1031-07-8	0.0025	N	0.0025	N	0.0025	N	--	--	--
	Endrin	72-20-8	0.004	N	0.004	N	0.004	N	--	--	--
	Endrin Aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	--	--	--
	Parathion, Ethyl	56-38-2	0.005	N	0.005	N	0.005	N	--	--	--
	Famphur	52-85-7	0.01	N	0.01	N	0.01	N	--	--	--

Table 3A: Sediment and Soil Background Values Used in Segments 4-7 SCOI Screening
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Sediment Background						Soil Background		
			Chippewa River		Pine River		Upstream Tittabawassee River[a]		MI Soil BKG (mg/kg)		Mean USGS Soil BKG
			mg/kg	Detect	mg/kg	Detect	mg/kg	Detect	Maximum	Median	(mg/kg)
	Gamma-Chlordane	12789-03-6	0.0035	N	0.0035	N	0.0035	N	--	--	--
	Heptachlor	76-44-8	0.0035	N	0.0035	N	0.0035	N	--	--	--
	Heptachlor Epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	--	--	--
	Hexachlorobenzene	118-74-1	0.004	N	0.004	N	0.004	N	--	--	--
	Isodrin	465-73-6	0.0045	N	0.0045	N	0.0045	N	--	--	--
	Gamma BHC (Lindane)	58-89-9	0.005	N	0.005	N	0.005	N	--	--	--
	Methoxychlor	72-43-5	0.0045	N	0.0045	N	0.0045	N	--	--	--
	Methyl Chlorpyrifos	5598-13-0	0.005	N	0.005	N	0.005	N	--	--	--
	Parathion, Methyl	298-00-0	0.005	N	0.005	N	0.005	N	--	--	--
	Mirex	2385-85-5	0.0045	N	0.0045	N	0.0045	N	--	--	--
	2,4'-DDD	53-19-0	0.11	Y	0.0045	N	0.0045	N	--	--	--
	Octachlorostyrene	29082-74-4	0.004	N	0.004	N	0.004	N	--	--	--
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	--	--	--
	Phorate	298-02-2	0.0045	N	0.0045	N	0.0045	N	--	--	--
	Polybrominated Biphenyls	67774-32-7	0.02	N	0.02	N	0.02	N	--	--	--
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	--	--	--
	Ronnel	299-84-3	0.005	N	0.005	N	0.005	N	--	--	--
	Zinophos	297-97-2	0.005	N	0.005	N	0.005	N	--	--	--
	Toxaphene	8001-35-2	0.08	N	0.08	N	0.08	N	--	--	--
	Trans-Nonachlor	39765-80-5	0.0045	N	0.0045	N	0.0045	N	--	--	--
	Alpha BHC	319-84-6	0.0035	N	0.0035	N	0.0035	N	--	--	--
	Beta BHC	319-85-7	0.004	N	0.004	N	0.004	N	--	--	--
	Delta BHC	319-86-8	0.004	N	0.004	N	0.004	N	--	--	--
Styrene	(E)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.01	N	0.01	N	0.01	N	--	--	--
	(Z)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.01	N	0.01	N	0.01	N	--	--	--
	(Z)-Beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.01	N	0.01	N	0.01	N	--	--	--
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.01	N	0.01	N	0.01	N	--	--	--
	Alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.01	N	0.01	N	0.01	N	--	--	--
	Beta,Beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.01	N	0.01	N	0.01	N	--	--	--

Table 3A: Sediment and Soil Background Values Used in Segments 4-7 SCOI Screening
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Sediment Background						Soil Background		
			Chippewa River		Pine River		Upstream Tittabawassee River[a]		MI Soil BKG (mg/kg)		Mean USGS Soil BKG
			mg/kg	Detect	mg/kg	Detect	mg/kg	Detect	Maximum	Median	(mg/kg)
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	0.005	N	0.005	N	--	--	--
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.0025	N	0.0025	N	0.0025	N	--	--	--
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.004	N	--	--	--
	2,4,5-Trichlorophenol	95-95-4	0.03	N	0.03	N	0.03	N	--	--	--
	2,4,6-Trichlorophenol	88-06-2	0.03	N	0.03	N	0.03	N	--	--	--
	2,4-Dichlorophenol	120-83-2	0.03	N	0.03	N	0.03	N	--	--	--
	2,4-Dimethylphenol	105-67-9	0.04	N	0.04	N	0.04	N	--	--	--
	2,4-Dinitrophenol	51-28-5	0.095	N	0.095	N	0.095	N	--	--	--
	2,4-Dinitrotoluene	121-14-2	0.02	N	0.02	N	0.02	N	--	--	--
	2,6-Dichlorophenol	87-65-0	0.01	N	0.01	N	0.01	N	--	--	--
	2,6-Dinitrotoluene	606-20-2	0.03	N	0.03	N	0.03	N	--	--	--
	2-Chloronaphthalene	91-58-7	0.04	N	0.04	N	0.04	N	--	--	--
	2-Chlorophenol	95-57-8	0.05	N	0.05	N	0.05	N	--	--	--
	4,6-Dinitro-2-Methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	--	--	--
	2-Methylnaphthalene	91-57-6	0.26	Y	0.26	Y	0.28	Y	--	--	--
	2-Methylphenol	95-48-7	0.03	N	0.03	N	0.03	N	--	--	--
	2-Nitroaniline	88-74-4	0.03	N	0.03	N	0.03	N	--	--	--
	2-Nitrophenol	88-75-5	0.04	N	0.04	N	0.04	N	--	--	--
	3,3'-Dichlorobenzidine	91-94-1	0.24	N	0.24	N	0.24	N	--	--	--
	3-Methylphenol	108-39-4	0.04	N	0.04	N	0.04	N	--	--	--
	3-Nitroaniline	99-09-2	0.05	N	0.05	N	0.05	N	--	--	--
	4-Bromophenyl Phenyl Ether	101-55-3	0.05	N	0.05	N	0.05	N	--	--	--
	4-Chloro-3-Methylphenol	59-50-7	0.03	N	0.03	N	0.03	N	--	--	--
	4-Chlorophenyl Phenyl Ether	7005-72-3	0.04	N	0.04	N	0.04	N	--	--	--
	4-Methylphenol	106-44-5	0.03	N	0.03	N	0.03	N	--	--	--
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	--	--	--
	4-Nitrophenol	100-02-7	0.06	N	0.06	N	0.06	N	--	--	--
	P-Tert-Butylphenol	98-54-4	0.01	N	0.01	N	0.01	N	--	--	--
	Acenaphthene	83-32-9	0.1	Y	0.01	N	0.01	N	--	--	--
	Acenaphthylene	208-96-8	0.03	N	0.03	N	0.03	N	--	--	--
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	--	--	--
	Anthracene	120-12-7	0.14	Y	0.05	N	0.05	N	--	--	--
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	--	--	--
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	--	--	--
	Benzo(a)Anthracene	56-55-3	0.03	N	0.03	N	0.03	N	--	--	--
	Benzo(a)Pyrene	50-32-8	0.08	Y	0.03	N	0.58	Y	--	--	--
	Benzo(b)Fluoranthene	205-99-2	0.26	Y	0.04	N	0.04	N	--	--	--
	Benzo(g,h,i)Perylene	191-24-2	0.03	N	0.03	N	0.03	N	--	--	--
	Benzo(k)Fluoranthene	207-08-9	0.05	N	0.05	N	0.05	N	--	--	--
	Benzyl Alcohol	100-51-6	0.2	N	0.2	N	0.2	N	--	--	--
	Bis(2-Chloroethoxy) Methane	111-91-1	0.03	N	0.03	N	0.03	N	--	--	--
	Bis(2-Chloroethyl) Ether	111-44-4	0.02	N	0.02	N	0.02	N	--	--	--
	Bis(2-Chloroisopropyl) Ether	108-60-1	0.04	N	0.04	N	0.04	N	--	--	--
	Bis(2-Ethylhexyl) Phthalate	117-81-7	0.05	N	0.05	N	0.05	N	--	--	--
	Bisphenol A	80-05-7	0.02	N	0.02	N	0.02	N	--	--	--
	Benzyl Butyl Phthalate	85-68-7	0.09	Y	0.04	N	0.04	N	--	--	--
	Carbazole	86-74-8	0.005	N	0.005	N	0.005	N	--	--	--
	Chlorobenzilate	510-15-6	0.0025	N	0.0025	N	0.0025	N	--	--	--

Table 3A: Sediment and Soil Background Values Used in Segments 4-7 SCOI Screening
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Sediment Background						Soil Background		
			Chippewa River		Pine River		Upstream Tittabawassee River[a]		MI Soil BKG (mg/kg)		Mean USGS Soil BKG
			mg/kg	Detect	mg/kg	Detect	mg/kg	Detect	Maximum	Median	(mg/kg)
	Chrysene	218-01-9	0.03	N	0.03	N	0.03	N	--	--	--
	Dibenz(a,h)Anthracene	53-70-3	0.05	N	0.05	N	0.05	N	--	--	--
	Diethyl Phthalate	84-66-2	0.055	N	0.055	N	0.055	N	--	--	--
	Dimethyl Phthalate	131-11-3	0.02	N	0.02	N	0.02	N	--	--	--
	Di-N-Butyl Phthalate	84-74-2	0.055	N	0.055	N	0.055	N	--	--	--
	Di-N-Octylphthalate	117-84-0	2.6	Y	0.05	N	0.05	N	--	--	--
	Fluoranthene	206-44-0	0.59	Y	0.32	Y	0.36	Y	--	--	--
	Fluorene	86-73-7	0.34	Y	0.03	N	0.03	N	--	--	--
	Hexachlorobutadiene	87-68-3	0.03	N	0.03	N	0.03	N	--	--	--
	Hexachlorocyclopentadiene	77-47-4	0.0035	N	0.0035	N	0.0035	N	--	--	--
	Hexachloroethane	67-72-1	0.03	N	0.03	N	0.03	N	--	--	--
	Indeno(1,2,3-c,d)Pyrene	193-39-5	0.03	N	0.03	N	0.03	N	--	--	--
	Isophorone	78-59-1	0.03	N	0.03	N	0.03	N	--	--	--
	Naphthalene	91-20-3	0.05	N	0.005	N	0.005	N	--	--	--
	Nitrobenzene	98-95-3	0.03	N	0.03	N	0.03	N	--	--	--
	N-Nitrosodimethylamine	62-75-9	0.03	N	0.03	N	0.03	N	--	--	--
	N-Nitrosodiphenylamine	86-30-6	0.03	N	0.03	N	0.03	N	--	--	--
	N-Nitrosodi-N-Propylamine	621-64-7	0.03	N	0.03	N	0.03	N	--	--	--
	2-Phenylphenol	90-43-7	0.01	N	0.01	N	0.01	N	--	--	--
	Pentachlorobenzene	608-93-5	0.0035	N	0.0035	N	0.0035	N	--	--	--
	Pentachloronitrobenzene	82-68-8	0.0045	N	0.0045	N	0.0045	N	--	--	--
	Pentachlorophenol	87-86-5	0.03	N	0.005	N	0.005	N	--	--	--
	Phenanthrene	85-01-8	0.58	Y	0.05	N	0.05	N	--	--	--
	Phenol	108-95-2	0.03	N	0.03	N	0.03	N	--	--	--
	Pyrene	129-00-0	0.7	Y	0.52	Y	0.46	Y	--	--	--
	Pyridine	110-86-1	0.04	N	0.04	N	0.04	N	--	--	--
	Total Chlorophenols	TCLP_ERA_Dow	0.214	N	0.189	N	0.189	N	--	--	--
	Total Chlororbenzenes	TCLB_ERA_Dow	NA	NA	NA	NA	NA	NA	--	--	--
	Total PAHs	TPAH_ERA_Dow	2.51	Y	0.79	Y	0.85	Y	--	--	--
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	N	0.005	N	0.005	N	--	--	--
	1,2,4-Trichlorobenzene	120-82-1	0.03	N	0.005	N	0.005	N	--	--	--
	1,2-Dichlorobenzene	95-50-1	0.02	N	0.005	N	0.005	N	--	--	--
	1,3-Dichlorobenzene	541-73-1	0.03	N	0.005	N	0.005	N	--	--	--
	1,4-Dichlorobenzene	106-46-7	0.02	N	0.005	N	0.005	N	--	--	--

Notes:

(a) Sample locations are upstream of the Dow facility

BKG	background
mg/kg	milligram per kilogram
MI	Michigan
N	no
NA	not analyzed
SCOI	secondary constituent of interest
SVOC	semi-volatile organic compound
USGS	United States Geological Survey
VOC	volatile organic compound
Y	yes
--	value not reported
BHC	Hexachlorocyclohexane
CAS	chemical abstract service
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
PAHs	polycyclic aromatic hydrocarbons

Table 3B: PLERs, ESLBs, and SSSLs Used in Segments 4-7 SCOI Screening
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	PLER (a) mg/kg	SSSL (a) mg/kg	ESLB (a) mg/kg
Metal	Aluminum	7429-90-5	--	2900	--
	Antimony	7440-36-0	--	8.7	12
	Arsenic	7440-38-2	150	150	9.79
	Barium	7440-39-3	--	80	9.02
	Beryllium	7440-41-7	--	0.35	0.553
	Boron	7440-42-8	--	22	15
	Cadmium	7440-43-9	--	1.4	0.99
	Calcium	7440-70-2	--	190000	--
	Chromium (Total)	7440-47-3	--	160	43.4
	Cobalt	7440-48-4	--	12.72	50
	Copper	7440-50-8	--	190	31.6
	Gold	7440-57-5	--	--	--
	Iron	7439-89-6	--	25000	--
	Lead	7439-92-1	--	260	35.8
	Lithium	7439-93-2	--	7.2	28.8
	Magnesium	7439-95-4	--	31000	--
	Manganese	7439-96-5	--	480	460
	Mercury	7439-97-6	--	0.72	0.174
	Nickel	7440-02-0	--	79	22.7
	Potassium	7440-09-7	--	--	--
	Selenium	7782-49-2	--	0.68	0.025
	Silver	7440-22-4	--	0.17	0.5
	Sodium	7440-23-5	--	74	--
	Strontium	7440-24-6	--	370	290.5
	Thallium	7440-28-0	--	1.682	0.51
	Tin	7440-31-5	--	--	18.25
	Titanium	7440-32-6	--	120	--
	Vanadium	7440-62-2	--	38.02	12
	Zinc	7440-66-6	--	73	121
Pesticide	(E)-Beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	--	--	2.6
	Dinoseb	88-85-7	--	--	0.0145
	P,P'-DDD	72-54-8	--	0.02	0.00488
	P,P'-DDE	72-55-9	--	--	0.00316
	P,P'-DDT	50-29-3	--	--	0.00416
	Aldrin	309-00-2	--	--	0.002
	Chlorpyrifos	2921-88-2	--	--	0.00014
	Alpha-Chlordane	5103-71-9	--	--	0.00324
	Cis-Nonachlor	5103-73-1	--	--	--
	Diallate	2303-16-4	--	--	0.27
	Dieldrin	60-57-1	--	0.11	0.0019
	Dimethoate	60-51-5	--	--	0.00152
	Disulfoton	298-04-4	--	0.02	0.324
	Alpha Endosulfan	959-98-8	--	--	0.00326
	Beta Endosulfan	33213-65-9	--	--	0.00194
	Endosulfan Sulfate	1031-07-8	--	--	0.0346
	Endrin	72-20-8	--	0.07	0.00222
	Endrin Aldehyde	7421-93-4	--	--	0.48
	Parathion, Ethyl	56-38-2	0.36	0.36	0.000757
	Famphur	52-85-7	--	--	0.0004609
	Gamma-Chlordane	12789-03-6	--	--	--
	Heptachlor	76-44-8	--	--	0.0006
	Heptachlor Epoxide	1024-57-3	--	--	0.00247
	Hexachlorobenzene	118-74-1	--	--	0.02
	Isodrin	465-73-6	--	--	0.0552
	Gamma BHC (Lindane)	58-89-9	--	--	0.00237
	Methoxychlor	72-43-5	--	--	0.0136
	Methyl Chlorpyrifos	5598-13-0	--	--	0.00034
	Parathion, Methyl	298-00-0	--	--	0.0008
	Mirex	2385-85-5	--	--	0.007

Table 3B: PLERs, ESLBs, and SSSLs Used in Segments 4-7 SCOI Screening
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	PLER (a) mg/kg	SSSL (a) mg/kg	ESLB (a) mg/kg
	O,P'-DDD	53-19-0	--	--	0.00488
	Octachlorostyrene	29082-74-4	--	--	2.6
	Oxychlordane	27304-13-8	--	--	0.038
	Phorate	298-02-2	--	--	0.000861
	Polybrominated Biphenyls	67774-32-7	--	--	--
	Propachlor	1918-16-7	--	--	0.0065
	Ronnel	299-84-3	--	--	0.289
	Zinophos	297-97-2	--	--	0.03
	Toxaphene	8001-35-2	--	--	0.000077
	Trans-Nonachlor	39765-80-5	--	--	1.22
	Alpha BHC	319-84-6	--	--	0.006
	Beta BHC	319-85-7	--	--	0.005
	Delta BHC	319-86-8	--	--	71.5
Styrene	(E)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	--	--	2.6
	(Z)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	--	--	2.6
	(Z)-Beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	--	--	2.6
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	--	--	2.6
	Alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	--	--	2.6
	Beta,Beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	--	--	2.6
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	--	0.39	0.56
	1,2,4,5-Tetrachlorobenzene	95-94-3	--	--	1.25
	2,3,4,6-Tetrachlorophenol	58-90-2	--	2.8	0.129
	2,4,5-Trichlorophenol	95-95-4	--	3.6	0.21348
	2,4,6-Trichlorophenol	88-06-2	--	5.8	0.208
	2,4-Dichlorophenol	120-83-2	--	10	0.0817
	2,4-Dimethylphenol	105-67-9	--	--	0.304
	2,4-Dinitrophenol	51-28-5	--	--	0.00621
	2,4-Dinitrotoluene	121-14-2	--	--	0.0144
	2,6-Dichlorophenol	87-65-0	--	--	--
	2,6-Dinitrotoluene	606-20-2	--	--	0.0398
	2-Chloronaphthalene	91-58-7	--	--	0.417
	2-Chlorophenol	95-57-8	--	1.1	0.0319
	4,6-Dinitro-2-Methylphenol	534-52-1	--	--	0.104
	2-Methylnaphthalene	91-57-6	--	--	0.0202
	2-Methylphenol	95-48-7	--	--	0.0554
	2-Nitroaniline	88-74-4	--	--	--
	2-Nitrophenol	88-75-5	--	--	1.248
	3,3'-Dichlorobenzidine	91-94-1	--	--	0.127
	3-Methylphenol	108-39-4	--	--	0.0524
	3-Nitroaniline	99-09-2	--	--	--
	4-Bromophenyl Phenyl Ether	101-55-3	--	--	1.55
	4-Chloro-3-Methylphenol	59-50-7	--	--	0.388
	4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	--
	4-Methylphenol	106-44-5	--	--	0.0202
	4-Nitroaniline	100-01-6	--	--	--
	4-Nitrophenol	100-02-7	--	--	0.0133
	P-Tert-Butylphenol	98-54-4	--	4.3	--
	Acenaphthene	83-32-9	--	0.62	0.00671
	Acenaphthylene	208-96-8	--	--	0.00587
	Aniline	62-53-3	--	--	0.00031
	Anthracene	120-12-7	--	0.89	0.0572
	Azobenzene	103-33-3	--	--	--
	Benzidine	92-87-5	--	--	0.10686
	Benzo(a)Anthracene	56-55-3	--	1.3	0.108
	Benzo(a)Pyrene	50-32-8	--	1.2	0.15
	Benzo(b)Fluoranthene	205-99-2	--	1.4	10.4
	Benzo(g,h,i)Perylene	191-24-2	--	0.67	0.17
	Benzo(k)Fluoranthene	207-08-9	--	0.57	0.24
	Benzyl Alcohol	100-51-6	--	--	0.00104

Table 3B: PLERs, ESLBs, and SSSLs Used in Segments 4-7 SCOI Screening
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	PLER (a) mg/kg	SSSL (a) mg/kg	ESLB (a) mg/kg
	Bis(2-Chloroethoxy) Methane	111-91-1	--	--	--
	Bis(2-Chloroethyl) Ether	111-44-4	--	--	3.52
	Bis(2-Chloroisopropyl) Ether	108-60-1	--	--	--
	Bis(2-Ethylhexyl) Phthalate	117-81-7	--	--	0.182
	Bisphenol A	80-05-7	--	--	15.04
	Benzyl Butyl Phthalate	85-68-7	--	--	1.97
	Carbazole	86-74-8	--	0.16	0.452
	Chlorobenzilate	510-15-6	--	--	0.86
	Chrysene	218-01-9	--	1.5	0.166
	Dibenz(a,h)Anthracene	53-70-3	--	0.67	0.033
	Diethyl Phthalate	84-66-2	--	0.2	0.295
	Dimethyl Phthalate	131-11-3	--	--	0.53
	Di-N-Butyl Phthalate	84-74-2	--	1.2	1.11
	Di-N-Octylphthalate	117-84-0	--	--	40.6
	Fluoranthene	206-44-0	--	4	0.423
	Fluorene	86-73-7	--	0.54	0.0774
	Hexachlorobutadiene	87-68-3	--	2.2	0.0265
	Hexachlorocyclopentadiene	77-47-4	--	--	0.901
	Hexachloroethane	67-72-1	--	--	0.584
	Indeno(1,2,3-c,d)Pyrene	193-39-5	--	0.61	0.2
	Isophorone	78-59-1	--	--	0.432
	Naphthalene	91-20-3	--	0.4	0.176
	Nitrobenzene	98-95-3	--	--	0.145
	N-Nitrosodimethylamine	62-75-9	--	--	--
	N-Nitrosodiphenylamine	86-30-6	--	28	0.11
	N-Nitrosodi-N-Propylamine	621-64-7	--	--	--
	2-Phenylphenol	90-43-7	92	92	0.058
	Pentachlorobenzene	608-93-5	--	--	0.024
	Pentachloronitrobenzene	82-68-8	--	--	--
	Pentachlorophenol	87-86-5	--	2.4	23
	Phenanthrene	85-01-8	--	2.5	0.204
	Phenol	108-95-2	--	--	0.0491
	Pyrene	129-00-0	--	4.2	0.195
	Pyridine	110-86-1	--	--	0.106
	Total Chlorophenols	TCLP_ERA_Dow	25.7	25.7	--
	Total Chlororbenzenes	TCLB_ERA_Dow	33.3	33.3	--
	Total PAHs	TPAH_ERA_Dow	15.1	15.1	--
VOC	1,2,3-Trichlorobenzene	87-61-6	--	0.14	0.117
	1,2,4-Trichlorobenzene	120-82-1	--	1	5.06
	1,2-Dichlorobenzene	95-50-1	--	11	0.294
	1,3-Dichlorobenzene	541-73-1	--	1.6	1.32
	1,4-Dichlorobenzene	106-46-7	--	13	0.318

Notes:

ESLB	ecological screening level benchmark	BHC	Hexachlorocyclohexane
mg/kg	milligram per kilogram	CAS	chemical abstract service
PLER	potential for low exposure and risk	DDD	Dichlorodiphenyldichloroethane
SCOI	secondary constituent of interest	DDE	Dichlorodiphenyldichloroethene
SSSL	site-specific screening levels	DDT	Dichlorodiphenyltrichloroethane
SVOC	semi-volatile organic compound	PAHs	polycyclic aromatic hydrocarbons
VOC	volatile organic compound		
--	PLER, ESLB, or SSSL is not available		
(a)	See Segment 1 Response Proposal, Appendix B1 for derivation of PLER, ESLB, and SSSL		

Table 3C: Site Specific Equilibrium Partitioning Criteria and Other Published Benchmarks
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS No	WQC (µg/L)	Source	Log Koc	Source	Criteria		In-channel Sediment			Bank Soil	
									Segments 4-7 EqP Value (1ft)	Segments 4-7 EqP Value (2ft)	Other Published BMK	EqP Value	Other Published BMK
							ESB µg/g OC	Source (a)	mg/kg @ 1.5% TOC	mg/kg @ 1.7% TOC	mg/kg	mg/kg @ 2.8% TOC	mg/kg
Metal	Beryllium	7440-41-7	NA	NA	NA	NA	NA	NA	NA	NA	1.8 (j)	NA	NA
	Boron	7440-42-8	NA	NA	NA	NA	NA	NA	NA	NA	33 (j)	NA	NA
	Cadmium	7440-43-9	NA	NA	NA	NA	NA	NA	NA	NA	2.5 (j)	NA	NA
	Iron	7439-89-6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38000 (j)
	Lithium	7439-93-2	NA	NA	NA	NA	NA	NA	NA	NA	41 (j)	NA	NA
	Manganese	7439-96-5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1800 (j)
	Potassium	7440-09-7	NA	NA	NA	NA	NA	NA	NA	NA	2300 (j)	NA	NA
	Selenium	7782-49-2	NA	NA	NA	NA	NA	NA	NA	NA	1.2 (j)	NA	NA
	Silver	7440-22-4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.73 (j)
	Sodium	7440-23-5	NA	NA	NA	NA	NA	NA	NA	NA	12000 (j)	NA	NA
	Thallium	7440-28-0	NA	NA	NA	NA	NA	NA	NA	NA	3.8 (j)	NA	NA
	Vanadium	7440-62-2	NA	NA	NA	NA	NA	NA	NA	NA	89 (j)	NA	NA
	Zinc	7440-66-6	NA	NA	NA	NA	NA	NA	NA	NA	75 (j)	NA	NA
Pesticide	4,4-DDT (and metabolites)	50-29-3	1.1	USEPA 2012 (b)	5.18	ATSDR 2014 (c)	166	Equation	NA	NA	NA	4.66	NA
	alpha-BHC	319-84-6	2.2	USEPA 2008 (f)	3.72	USEPA 2008 (f)	11.0	USEPA 2008 (f)	NA	NA	NA	0.31	NA
	beta-BHC	319-85-7	2.2	USEPA 2008 (f)	3.72	USEPA 2008 (f)	11.0	USEPA 2008 (f)	NA	NA	NA	0.31	NA
	Dieldrin	60-57-1	0.06589	USEPA 2003a (e)	5.28	USEPA 2003a (e)	12.0	USEPA 2003 (e)	NA	NA	NA	0.34	NA
	Endosulfan I	959-98-8	0.056	USEPA 2008 (f)	3.77	USEPA 2008 (f)	0.3	USEPA 2008 (f)	NA	NA	NA	0.01	NA
	Endrin	72-20-8	0.05805	USEPA 2003a (e)	4.97	USEPA 2003a (e)	5.4	USEPA 2003 (e)	NA	NA	NA	0.15	NA
SVOC	Aniline	62-53-3	4	MDEQ 2014 (d)	3.588	USEPA 1994 (k)	15.5	Equation	NA	NA	NA	0.43	NA
	bis(2-Ethylhexyl)phthalate	117-81-7	0.3	USEPA 2003c (l)	7.2	FDEP 2005 (g)	4500.0	Equation	67.5	76.5	NA	126	NA
	Diethylphthalate	84-66-2	270	USEPA 2008 (f)	2.46	USEPA 2008 (f)	77.0	USEPA 2008 (f)	NA	NA	NA	2.16	3.1 (n)
	Di-n-butyl phthalate	84-74-2	35	USEPA 2008 (f)	3.14	ATSDR 2014 (c)	1200.0	USEPA 2008 (f)	18.0	20.4	NA	NA	NA
	Total PAHs (m)	TPAH_ERA_Dow	--	--			--	--	--	--	--	NA	NA

Notes:

BHC	hexachlorocyclohexane
BMK	benchmark
CAS	chemical abstract service
CMC	criteria maximum concentration
DDT	dichlorodiphenyltrichloroethane
ESB	ecological screening benchmark
Koc	organic carbon sorption coefficient
mg/kg	milligram per kilogram
NA	Not applicable
NRWQC	Nationally Recommended Water Quality Criteria
OC	organic carbon
PLER	potential for low exposure and risk
SVOC	semi-volatile organic compound
TOC	total organic carbon
µg/g	microgram per gram
µg/L	microgram per liter
WQC	water quality criteria
--	Not available

(a) SD Criteria ug/gOC = (Koc)*(0.001)*WQC
(b) USEPA 2012. NRWQC CMC value
(c) ATSDR 2014 Tox Profiles http://www.atsdr.cdc.gov/
(d) MDEQ 2014. Rule 57 Water Quality Values (Final Chronic Value)
(e) USEPA 2003a. Procedures for the Derivation of Equilibrium Partitioning Sediment Benchmarks (ESBs) for the Protection of Benthic Organisms: Dieldrin, Page 5-1
(f) USEPA 2008 Procedures for the Derivation of Equilibrium Partitioning Sediment Benchmarks (ESBs) for the Protection of Benthic Organisms - Compendium of Tier 2 Values for Nonionic Organics, Tables 3-1, 3-2
(g) FDEP 2005. Technical Report: Development of Cleanup Target Levels (CTLs) For Chapter 62-777, F.A.C. Division of Waste Management, Florida Department of Environmental Protection. February, 2005.
(h) USEPA 2013. Estimation Program Interface (EPI) Suite http://www.epa.gov/opptintr/exposure/pubs/episuite.htm
(i) Average Koc value used from those published
(j) Maximum MDEQ MI soil background (MDEQ 2005)
(k) USEPA 1994. Pollution Prevention and Toxics (EPA 749-F-95-002a), Aniline Fact Sheet: Support Document. http://www.epa.gov/chemfact/anali-sd.txt.
(l) USEPA 2003c. EPA Region 5 RCRA Ecological Screening Levels. August 22, 2003. http://www.epa.gov/Region5/waste/cars/pdfs/ecological-screening-levels-200308.pdf
(m) Sediment concentrations are compared to the organic-carbon normalized NSR for total PAHs developed in the Segment 1 Response Proposal
(n) Call, D.J, D.A Colx, D.L. Geiger, K.I. Genisot, T.P. Markee, L.T. Broke, C.N. Polkinghorne, F.A. VandeVenter, J.W. Gorsuch, K.A.

Table 4: In-Channel Sediment Screening: SCOI Screening Summary (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RBB-610+00-IC175 Seg 4 0-0.5	RBB-610+00-IC225 Seg 4 0.5-1	RBB-614+00-IC176 Seg 4 0-0.5	RCC-648+00-IC174 Seg 4 0-0.5	RDD-668+00-IC58 Seg 4 0.5-1	RDD-670+00-IC205 Seg 4 0-0.5	RDD-673+50-IC251 Seg 4 0.5-1	RFF-707+00-IC157 Seg 4 0.5-1	RFF-707+00-IC94 Seg 4 0.5-1	RHH-768+00-IC26 Seg 4 0-0.5
Metal	Aluminum	7429-90-5	X	X	X	X	X	X	X	X	X	X
	Antimony	7440-36-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	7440-38-2	X	X	X	X	X	X	X	X	X	X
	Barium	7440-39-3	X	X	X	X	X	X	X	X	X	X
	Beryllium	7440-41-7	ND	X	ND	X	ND	ND	ND	ND	X	ND
	Boron	7440-42-8	X	X	X	X	X	X	X	X	X	X
	Cadmium	7440-43-9	ND	X	ND	X	X	X	ND	ND	ND	ND
	Calcium	7440-70-2	X	X	X	X	X	X	X	X	X	X
	Chromium (total)	7440-47-3	X	X	X	X	X	X	X	X	X	X
	Cobalt	7440-48-4	X	X	X	X	X	X	X	X	X	X
	Copper	7440-50-8	X	X	X	X	X	X	X	X	X	X
	Gold	7440-57-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Iron	7439-89-6	X	X	X	X	X	X	X	X	X	X
	Lead	7439-92-1	X	X	X	X	X	X	X	X	X	X
	Lithium	7439-93-2	X	X	X	X	X	X	X	X	X	X
	Magnesium	7439-95-4	X	X	X	X	X	X	X	X	X	X
	Manganese	7439-96-5	X	X	X	X	X	X	X	X	X	X
	Mercury	7439-97-6	X	X	NA	X	X	X	X	X	X	ND
	Nickel	7440-02-0	X	X	X	X	X	X	X	X	X	X
	Potassium	7440-09-7	X	X	X	X	X	X	X	X	X	X
	Selenium	7782-49-2	ND	X	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	7440-22-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	7440-23-5	X	X	X	X	X	X	X	X	X	X
	Strontium	7440-24-6	X	X	X	X	X	X	X	X	X	X
	Thallium	7440-28-0	ND	X	ND	ND	ND	ND	ND	ND	ND	ND
	Tin	7440-31-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Titanium	7440-32-6	X	X	X	X	X	X	X	X	X	X
	Vanadium	7440-62-2	X	X	X	X	X	X	X	X	X	X
	Zinc	7440-66-6	X	X	X	X	X	X	X	X	X	X
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4'-DDD	53-19-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDD	72-54-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDE	72-55-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDT	50-29-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Aldrin	309-00-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	alpha-BHC	319-84-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ALPHA-CHLORDANE	5103-71-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	beta-BHC	319-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorpyrifos	2921-88-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-Nonachlor	5103-73-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	delta-BHC	319-86-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Diallate (total)	2303-16-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dieldrin	60-57-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dimethoate	60-51-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dinoseb	88-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Disulfoton	298-04-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan I	959-98-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan II	33213-65-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan sulfate	1031-07-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endrin	72-20-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endrin aldehyde	7421-93-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Famphur	52-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	gamma-BHC	58-89-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GAMMA-CHLORDANE	12789-03-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor	76-44-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	1024-57-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	118-74-1	X	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Isodrin	465-73-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methoxychlor	72-43-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl chlorpyrifos	5598-13-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl parathion	298-00-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Mirex	2385-85-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Class	Chemical Name	CAS #	RBB-610+00-IC175 Seg 4 0-0.5	RBB-610+00-IC225 Seg 4 0.5-1	RBB-614+00-IC176 Seg 4 0-0.5	RCC-648+00-IC174 Seg 4 0-0.5	RDD-668+00-IC58 Seg 4 0.5-1	RDD-670+00-IC205 Seg 4 0-0.5	RDD-673+50-IC251 Seg 4 0.5-1	RFF-707+00-IC157 Seg 4 0.5-1	RFF-707+00-IC94 Seg 4 0.5-1	RHH-768+00-IC26 Seg 4 0-0.5
	Octachlorostyrene	29082-74-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oxychlordane	27304-13-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Parathion	56-38-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phorate	298-02-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polybrominated biphenyls	67774-32-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Propachlor	1918-16-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ronnel	299-84-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Thionazin	297-97-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toxaphene	8001-35-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-Nonachlor	39765-80-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	X	ND	X	ND	ND	X	X	ND	X	ND
	1,2,4,5-Tetrachlorobenzene	95-94-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,2'-oxybis(1-Chloropropane)	108-60-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,3,4,6-Tetrachlorophenol	58-90-2	ND	ND	ND	X	ND	X	ND	ND	ND	ND
	2,4,5-Trichlorophenol	95-95-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4,6-Trichlorophenol	88-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dichlorophenol	120-83-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dimethylphenol	105-67-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dinitrophenol	51-28-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,6-Dichlorophenol	87-65-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,6-Dinitrotoluene	606-20-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Chloronaphthalene	91-58-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Chlorophenol	95-57-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	91-57-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylphenol	95-48-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Nitroaniline	88-74-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Nitrophenol	88-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Phenylphenol	90-43-7	ND	ND	ND	ND	ND	X	ND	ND	ND	ND
	3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Methylphenol	108-39-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Nitroaniline	99-09-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,6-Dinitro-2-methylphenol	534-52-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Bromophenyl-phenyl ether	101-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chloro-3-methylphenol	59-50-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chlorophenyl-phenyl ether	7005-72-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methylphenol	106-44-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Nitroaniline	100-01-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Nitrophenol	100-02-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acenaphthene	83-32-9	ND	ND	ND	ND	ND	X	ND	ND	ND	ND
	Acenaphthylene	208-96-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Aniline	62-53-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Anthracene	120-12-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Azobenzene	103-33-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzidine	92-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)anthracene	56-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	ND	X	X	ND	ND	ND
	Benzo(b)fluoranthene	205-99-2	ND	ND	ND	ND	ND	X	X	ND	ND	ND
	Benzo(g,h,i)perylene	191-24-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	207-08-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzyl alcohol	100-51-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Chloroethoxy)methane	111-91-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Chloroethyl) ether	111-44-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)phthalate	117-81-7	ND	ND	ND	ND	ND	X	ND	ND	ND	ND
	BISPHENOL A	80-05-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Butylbenzylphthalate	85-68-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Class	Chemical Name	CAS #	RBB-610+00-IC175 Seg 4 0-0.5	RBB-610+00-IC225 Seg 4 0.5-1	RBB-614+00-IC176 Seg 4 0-0.5	RCC-648+00-IC174 Seg 4 0-0.5	RDD-668+00-IC58 Seg 4 0.5-1	RDD-670+00-IC205 Seg 4 0-0.5	RDD-673+50-IC251 Seg 4 0.5-1	RFF-707+00-IC157 Seg 4 0.5-1	RFF-707+00-IC94 Seg 4 0.5-1	RHH-768+00-IC26 Seg 4 0-0.5
	Carbazole	86-74-8	ND	ND	ND	ND	ND	X	ND	ND	ND	ND
	Chlorobenzilate	510-15-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	218-01-9	X	ND	ND	ND	ND	X	X	ND	ND	ND
	Dibenz(a,h)anthracene	53-70-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Diethylphthalate	84-66-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dimethyl phthalate	131-11-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Di-n-butyl phthalate	84-74-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	DI-N-OCTYLPHTHALATE	117-84-0	ND	ND	ND	ND	X	ND	ND	ND	ND	ND
	Fluoranthene	206-44-0	X	X	X	ND	ND	X	X	X	X	X
	Fluorene	86-73-7	X	ND	ND	ND	ND	X	X	ND	ND	ND
	Hexachlorobutadiene	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	HEXACHLOROCYCLOPENTADIENE	77-47-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachloroethane	67-72-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Isophorone	78-59-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	91-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nitrobenzene	98-95-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitrosodimethylamine	62-75-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitroso-di-n-propylamine	621-64-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitrosodiphenylamine	86-30-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pentachlorobenzene	608-93-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pentachloronitrobenzene	82-68-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pentachlorophenol	87-86-5	ND	ND	ND	X	ND	X	ND	ND	ND	ND
	Phenanthrene	85-01-8	X	ND	ND	ND	ND	X	X	ND	ND	ND
	Phenol	108-95-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	p-tert-Butylphenol	98-54-4	X	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	129-00-0	X	X	X	X	ND	X	X	X	X	X
	Pyridine	110-86-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Chlorophenols	TCLP_ERA_Dow	ND	ND	ND	X	ND	X	ND	ND	ND	ND
	Total Chlororbenzenes	TCLB_ERA_Dow	X	ND	X	ND	ND	X	X	ND	X	ND
	Total PAHs	TPAH_ERA_Dow	X	X	X	X	ND	X	X	X	X	X
VOC	1,2,3-Trichlorobenzene	87-61-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	ND	ND	ND	ND	X	ND
	1,2-Dichlorobenzene	95-50-1	X	ND	ND	ND	ND	X	ND	ND	ND	ND
	1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	ND	ND	ND	ND	X	ND
	1,4-Dichlorobenzene	106-46-7	X	ND	ND	ND	ND	X	ND	ND	X	ND
		Number of SCOIs detected	**33**	**28**	**25**	**28**	**23**	**41**	**31**	**24**	**30**	**23**

Notes:

NA	not analyzed
ND	not detected, based on 1/2 detection limit
SCOI	secondary constituent of interest
SVOC	semi-volatile organic compound
VOC	volatile organic compound
X	Denotes location with detected SCOI
BHC	Hexachlorocyclohexane
CAS	chemical abstract service
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
PAHs	polycyclic aromatic hydrocarbons

Table 4: In-Channel Sediment Screening: SCOI Screening Summary (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RII-782+00-IC132 Seg 4 0-0.5	RII-783+00-IC135 Seg 4 0-0.5	RII-787+00-IC140 Seg 4 0.5-1	RII-801+00-IC147 Seg 5 0-0.5	RII-801+00-IC92 Seg 5 0-0.5	RII-802+00-IC41 Seg 5 0-0.5	RJJ-852+50-IC171 Seg 5 0.5-1	RLL-892+00-IC19 Seg 5 0-0.5	RMM-909+50-IC118 Seg 5 0-0.5	RMM-913+50-IC104 Seg 5 0-0.5
Metal	Aluminum	7429-90-5	X	X	X	X	X	X	X	X	X	X
	Antimony	7440-36-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	7440-38-2	X	X	X	X	X	X	X	X	X	X
	Barium	7440-39-3	X	X	X	X	X	X	X	X	X	X
	Beryllium	7440-41-7	ND	X	X	ND	ND	ND	ND	X	ND	ND
	Boron	7440-42-8	X	X	X	X	X	X	X	X	X	X
	Cadmium	7440-43-9	X	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	7440-70-2	X	X	X	X	X	X	X	X	X	X
	Chromium (total)	7440-47-3	X	X	X	X	X	X	X	X	X	X
	Cobalt	7440-48-4	X	X	X	X	X	X	X	X	X	X
	Copper	7440-50-8	X	X	X	X	X	X	X	X	X	X
	Gold	7440-57-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Iron	7439-89-6	X	X	X	X	X	X	X	X	X	X
	Lead	7439-92-1	X	X	X	X	X	X	X	X	X	X
	Lithium	7439-93-2	X	X	X	X	X	X	X	X	X	X
	Magnesium	7439-95-4	X	X	X	X	X	X	X	X	X	X
	Manganese	7439-96-5	X	X	X	X	X	X	X	X	X	X
	Mercury	7439-97-6	X	X	X	X	X	X	X	ND	ND	X
	Nickel	7440-02-0	X	X	X	X	X	X	X	X	X	X
	Potassium	7440-09-7	X	X	X	X	X	X	X	X	X	X
	Selenium	7782-49-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	7440-22-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	7440-23-5	X	X	X	X	X	X	X	X	X	X
	Strontium	7440-24-6	X	X	X	X	X	X	X	X	X	X
	Thallium	7440-28-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tin	7440-31-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Titanium	7440-32-6	X	X	X	X	X	X	X	X	X	X
	Vanadium	7440-62-2	X	X	X	X	X	X	X	X	X	X
	Zinc	7440-66-6	X	X	X	X	X	X	X	X	X	X
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4'-DDD	53-19-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDD	72-54-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDE	72-55-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDT	50-29-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Aldrin	309-00-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	alpha-BHC	319-84-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ALPHA-CHLORDANE	5103-71-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	beta-BHC	319-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorpyrifos	2921-88-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-Nonachlor	5103-73-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	delta-BHC	319-86-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Diallate (total)	2303-16-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dieldrin	60-57-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dimethoate	60-51-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dinoseb	88-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Disulfoton	298-04-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan I	959-98-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan II	33213-65-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan sulfate	1031-07-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endrin	72-20-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endrin aldehyde	7421-93-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Famphur	52-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	gamma-BHC	58-89-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GAMMA-CHLORDANE	12789-03-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor	76-44-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	1024-57-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	118-74-1	X	ND	ND	X	ND	X	ND	ND	ND	ND
	Isodrin	465-73-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methoxychlor	72-43-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl chlorpyrifos	5598-13-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl parathion	298-00-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Mirex	2385-85-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Class	Chemical Name	CAS #	RII-782+00-IC132 Seg 4 0-0.5	RII-783+00-IC135 Seg 4 0-0.5	RII-787+00-IC140 Seg 4 0.5-1	RII-801+00-IC147 Seg 5 0-0.5	RII-801+00-IC92 Seg 5 0-0.5	RII-802+00-IC41 Seg 5 0-0.5	RJJ-852+50-IC171 Seg 5 0.5-1	RLL-892+00-IC19 Seg 5 0-0.5	RMM-909+50-IC118 Seg 5 0-0.5	RMM-913+50-IC104 Seg 5 0-0.5
	Octachlorostyrene	29082-74-4	ND	ND	ND	ND	ND	X	ND	ND	ND	ND
	Oxychlordane	27304-13-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Parathion	56-38-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phorate	298-02-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polybrominated biphenyls	67774-32-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Propachlor	1918-16-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ronnel	299-84-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Thionazin	297-97-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toxaphene	8001-35-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-Nonachlor	39765-80-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	X	X	ND	ND	X	X	ND	ND	X	X
	1,2,4,5-Tetrachlorobenzene	95-94-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,2'-oxybis(1-Chloropropane)	108-60-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,3,4,6-Tetrachlorophenol	58-90-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4,5-Trichlorophenol	95-95-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4,6-Trichlorophenol	88-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dichlorophenol	120-83-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dimethylphenol	105-67-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dinitrophenol	51-28-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,6-Dichlorophenol	87-65-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,6-Dinitrotoluene	606-20-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Chloronaphthalene	91-58-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Chlorophenol	95-57-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	91-57-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylphenol	95-48-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Nitroaniline	88-74-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Nitrophenol	88-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Phenylphenol	90-43-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Methylphenol	108-39-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Nitroaniline	99-09-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,6-Dinitro-2-methylphenol	534-52-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Bromophenyl-phenyl ether	101-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chloro-3-methylphenol	59-50-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chlorophenyl-phenyl ether	7005-72-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methylphenol	106-44-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Nitroaniline	100-01-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Nitrophenol	100-02-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acenaphthene	83-32-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acenaphthylene	208-96-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Aniline	62-53-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Anthracene	120-12-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Azobenzene	103-33-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzidine	92-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)anthracene	56-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	ND	ND	ND	X	ND	ND
	Benzo(b)fluoranthene	205-99-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(g,h,i)perylene	191-24-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	207-08-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzyl alcohol	100-51-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Chloroethoxy)methane	111-91-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Chloroethyl) ether	111-44-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)phthalate	117-81-7	ND	ND	X	ND	ND	ND	ND	ND	ND	ND
	BISPHENOL A	80-05-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Butylbenzylphthalate	85-68-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4: In-Channel Sediment Screening: SCOI Screening Summary (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RII-782+00-IC132 Seg 4 0-0.5	RII-783+00-IC135 Seg 4 0-0.5	RII-787+00-IC140 Seg 4 0.5-1	RII-801+00-IC147 Seg 5 0-0.5	RII-801+00-IC92 Seg 5 0-0.5	RII-802+00-IC41 Seg 5 0-0.5	RJJ-852+50-IC171 Seg 5 0.5-1	RLL-892+00-IC19 Seg 5 0-0.5	RMM-909+50-IC118 Seg 5 0-0.5	RMM-913+50-IC104 Seg 5 0-0.5
	Carbazole	86-74-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzilate	510-15-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	218-01-9	ND	ND	X	ND	ND	ND	ND	ND	ND	ND
	Dibenz(a,h)anthracene	53-70-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Diethylphthalate	84-66-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dimethyl phthalate	131-11-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Di-n-butyl phthalate	84-74-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	DI-N-OCTYLPHTHALATE	117-84-0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Fluoranthene	206-44-0	X	X	X	X	X	X	X	ND	X	X
	Fluorene	86-73-7	X	X	ND	ND	ND	X	ND	ND	ND	X
	Hexachlorobutadiene	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	HEXACHLOROCYCLOPENTADIENE	77-47-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachloroethane	67-72-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Isophorone	78-59-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	91-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nitrobenzene	98-95-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitrosodimethylamine	62-75-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitroso-di-n-propylamine	621-64-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitrosodiphenylamine	86-30-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pentachlorobenzene	608-93-5	X	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pentachloronitrobenzene	82-68-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pentachlorophenol	87-86-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	85-01-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenol	108-95-2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	p-tert-Butylphenol	98-54-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	129-00-0	X	X	X	X	X	X	X	ND	X	X
	Pyridine	110-86-1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Chlorophenols	TCLP_ERA_Dow	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Chlororbenzenes	TCLB_ERA_Dow	X	X	ND	X	X	X	ND	ND	X	X
	Total PAHs	TPAH_ERA_Dow	X	X	X	X	X	X	X	X	X	X
VOC	1,2,3-Trichlorobenzene	87-61-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	120-82-1	X	ND	ND	ND	ND	ND	ND	ND	ND	X
	1,2-Dichlorobenzene	95-50-1	ND	X	ND	ND	ND	ND	ND	ND	ND	X
	1,3-Dichlorobenzene	541-73-1	ND	X	ND	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	106-46-7	ND	X	ND	ND	ND	ND	ND	ND	ND	X
		Number of SCOIs detected	**31**	**31**	**27**	**26**	**26**	**29**	**24**	**23**	**25**	**30**

Notes:

NA	not analyzed	BHC
ND	not detected, based on 1/2 detection limit	CAS
SCOI	secondary constituent of interest	DDD
SVOC	semi-volatile organic compound	DDE
VOC	volatile organic compound	DDT
X	Denotes location with detected SCOI	PAHs

Table 4: In-Channel Sediment Screening: SCOI Screening Summary (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RMM-918+50-IC91 Seg 5 0-0.5	RPP-1000+00-IC178 Seg 6 0.5-1	RPP-989+50-IC284 Seg 6 0-0.5	RQQ-1017+00-IC113 Seg 6 0-0.5	RQQ-1023+00-IC44 Seg 6 0.5-1	RQQ-1023+50-IC43 Seg 6 0.5-1	RQQ-1023+50-IC43 Seg 6 0-0.5	RQQ-1030+00-IC47 Seg 6 0.5-1	RRR-1032+50-IC96 Seg 6 0.5-1
Metal	Aluminum	7429-90-5	X	X	X	X	X	X	X	X	ND
	Antimony	7440-36-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	7440-38-2	X	X	X	X	X	X	X	X	ND
	Barium	7440-39-3	X	X	X	X	X	X	X	X	ND
	Beryllium	7440-41-7	ND	X	ND	ND	ND	X	ND	ND	ND
	Boron	7440-42-8	X	X	X	X	X	X	X	X	ND
	Cadmium	7440-43-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	7440-70-2	X	X	X	X	X	X	X	X	ND
	Chromium (total)	7440-47-3	X	X	X	X	X	X	X	X	ND
	Cobalt	7440-48-4	X	X	X	X	X	X	X	X	ND
	Copper	7440-50-8	X	X	X	X	X	X	X	X	ND
	Gold	7440-57-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Iron	7439-89-6	X	X	X	X	X	X	X	X	ND
	Lead	7439-92-1	X	X	X	X	X	X	X	X	ND
	Lithium	7439-93-2	X	X	X	X	X	X	X	X	ND
	Magnesium	7439-95-4	X	X	X	X	X	X	X	X	ND
	Manganese	7439-96-5	X	X	X	X	X	X	X	X	ND
	Mercury	7439-97-6	ND	X	X	ND	X	X	X	ND	X
	Nickel	7440-02-0	X	X	X	X	X	X	X	X	ND
	Potassium	7440-09-7	X	X	X	X	X	X	X	X	ND
	Selenium	7782-49-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	7440-22-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	7440-23-5	X	X	X	X	X	X	X	X	ND
	Strontium	7440-24-6	X	X	X	X	X	X	X	X	ND
	Thallium	7440-28-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tin	7440-31-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Titanium	7440-32-6	X	X	X	X	X	X	X	X	ND
	Vanadium	7440-62-2	X	X	X	X	X	X	X	X	ND
	Zinc	7440-66-6	X	X	X	X	X	X	X	X	ND
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4'-DDD	53-19-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDD	72-54-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDE	72-55-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDT	50-29-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Aldrin	309-00-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	alpha-BHC	319-84-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ALPHA-CHLORDANE	5103-71-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	beta-BHC	319-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorpyrifos	2921-88-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-Nonachlor	5103-73-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	delta-BHC	319-86-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Diallate (total)	2303-16-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dieldrin	60-57-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dimethoate	60-51-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dinoseb	88-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Disulfoton	298-04-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan I	959-98-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan II	33213-65-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan sulfate	1031-07-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endrin	72-20-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endrin aldehyde	7421-93-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Famphur	52-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	gamma-BHC	58-89-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GAMMA-CHLORDANE	12789-03-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor	76-44-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	1024-57-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	118-74-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Isodrin	465-73-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methoxychlor	72-43-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl chlorpyrifos	5598-13-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl parathion	298-00-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Mirex	2385-85-5	ND	ND	ND	ND	ND	ND	ND	ND	ND

Class	Chemical Name	CAS #	RMM-918+50-IC91 Seg 5 0-0.5	RPP-1000+00-IC178 Seg 6 0.5-1	RPP-989+50-IC284 Seg 6 0-0.5	RQQ-1017+00-IC113 Seg 6 0-0.5	RQQ-1023+00-IC44 Seg 6 0.5-1	RQQ-1023+50-IC43 Seg 6 0.5-1	RQQ-1023+50-IC43 Seg 6 0-0.5	RQQ-1030+00-IC47 Seg 6 0.5-1	RRR-1032+50-IC96 Seg 6 0.5-1
	Octachlorostyrene	29082-74-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oxychlordane	27304-13-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Parathion	56-38-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phorate	298-02-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polybrominated biphenyls	67774-32-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Propachlor	1918-16-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ronnel	299-84-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Thionazin	297-97-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toxaphene	8001-35-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-Nonachlor	39765-80-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	ND	ND	X	ND	ND	X	ND	ND	ND
	1,2,4,5-Tetrachlorobenzene	95-94-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,2'-oxybis(1-Chloropropane)	108-60-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,3,4,6-Tetrachlorophenol	58-90-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4,5-Trichlorophenol	95-95-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4,6-Trichlorophenol	88-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dichlorophenol	120-83-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dimethylphenol	105-67-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dinitrophenol	51-28-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,6-Dichlorophenol	87-65-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,6-Dinitrotoluene	606-20-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Chloronaphthalene	91-58-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Chlorophenol	95-57-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	91-57-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylphenol	95-48-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Nitroaniline	88-74-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Nitrophenol	88-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Phenylphenol	90-43-7	ND	X	ND	ND	X	ND	ND	ND	ND
	3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Methylphenol	108-39-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Nitroaniline	99-09-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,6-Dinitro-2-methylphenol	534-52-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Bromophenyl-phenyl ether	101-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chloro-3-methylphenol	59-50-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chlorophenyl-phenyl ether	7005-72-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methylphenol	106-44-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Nitroaniline	100-01-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Nitrophenol	100-02-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acenaphthene	83-32-9	ND	ND	ND	ND	X	ND	ND	ND	ND
	Acenaphthylene	208-96-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Aniline	62-53-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Anthracene	120-12-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Azobenzene	103-33-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzidine	92-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)anthracene	56-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	50-32-8	ND	X	ND	ND	X	ND	ND	ND	ND
	Benzo(b)fluoranthene	205-99-2	ND	X	ND	ND	X	ND	ND	ND	ND
	Benzo(g,h,i)perylene	191-24-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	207-08-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzyl alcohol	100-51-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Chloroethoxy)methane	111-91-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Chloroethyl) ether	111-44-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)phthalate	117-81-7	ND	X	ND	ND	ND	ND	ND	ND	ND
	BISPHENOL A	80-05-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Butylbenzylphthalate	85-68-7	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4: In-Channel Sediment Screening: SCOI Screening Summary (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RMM-918+50-IC91 Seg 5 0-0.5	RPP-1000+00-IC178 Seg 6 0.5-1	RPP-989+50-IC284 Seg 6 0-0.5	RQQ-1017+00-IC113 Seg 6 0-0.5	RQQ-1023+00-IC44 Seg 6 0.5-1	RQQ-1023+50-IC43 Seg 6 0.5-1	RQQ-1023+50-IC43 Seg 6 0-0.5	RQQ-1030+00-IC47 Seg 6 0.5-1	RRR-1032+50-IC96 Seg 6 0.5-1
	Carbazole	86-74-8	ND	ND	ND	ND	X	ND	ND	ND	ND
	Chlorobenzilate	510-15-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	218-01-9	ND	X	ND	ND	X	X	ND	ND	ND
	Dibenz(a,h)anthracene	53-70-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Diethylphthalate	84-66-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dimethyl phthalate	131-11-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Di-n-butyl phthalate	84-74-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	DI-N-OCTYLPHTHALATE	117-84-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Fluoranthene	206-44-0	ND	X	X	X	X	X	X	X	ND
	Fluorene	86-73-7	ND	ND	ND	ND	X	ND	ND	ND	ND
	Hexachlorobutadiene	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	HEXACHLOROCYCLOPENTADIENE	77-47-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachloroethane	67-72-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Isophorone	78-59-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	91-20-3	ND	ND	ND	ND	X	ND	ND	ND	ND
	Nitrobenzene	98-95-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitrosodimethylamine	62-75-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitroso-di-n-propylamine	621-64-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitrosodiphenylamine	86-30-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pentachlorobenzene	608-93-5	ND	ND	X	ND	ND	X	ND	ND	ND
	Pentachloronitrobenzene	82-68-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pentachlorophenol	87-86-5	ND	X	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	85-01-8	ND	X	ND	ND	X	ND	ND	ND	ND
	Phenol	108-95-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	p-tert-Butylphenol	98-54-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	129-00-0	X	X	X	ND	X	X	X	X	ND
	Pyridine	110-86-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Chlorophenols	TCLP_ERA_Dow	ND	X	ND	ND	ND	ND	ND	ND	ND
	Total Chlororbenzenes	TCLB_ERA_Dow	ND	X	X	ND	ND	X	ND	ND	ND
	Total PAHs	TPAH_ERA_Dow	X	X	X	X	X	X	X	X	ND
VOC	1,2,3-Trichlorobenzene	87-61-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	120-82-1	ND	X	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichlorobenzene	541-73-1	ND	X	ND	ND	ND	ND	ND	ND	ND
	1,4-Dichlorobenzene	106-46-7	ND	X	ND	ND	ND	ND	ND	ND	ND
		Number of SCOIs detected	**22**	**37**	**27**	**22**	**33**	**29**	**24**	**23**	**1**

Notes:

NA	not analyzed	BHC
ND	not detected, based on 1/2 detection limit	CAS
SCOI	secondary constituent of interest	DDD
SVOC	semi-volatile organic compound	DDE
VOC	volatile organic compound	DDT
X	Denotes location with detected SCOI	PAHs

Table 4: In-Channel Sediment Screening: SCOI Screening Summary (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RRR-1036+00-IC107 Seg 6 0.5-1	RRR-1041+50-IC26 Seg 6 0-0.5	RRR-1041+50-IC99 Seg 6 0.5-1	RRR-1042+00-IC88 Seg 6 0-0.5	RUU-1128+50-IC234 Seg 7 0-0.5	RUU-1133+50-IC188 Seg 7 0-0.5	RUU-1141+50-IC259 Seg 7 0-0.5	RUU-1141+50-IC317 Seg 7 0-0.5	RVV-1147+50-IC267 Seg 7 0.5-1
Metal	Aluminum	7429-90-5	X	X	X	X	X	X	X	X	X
	Antimony	7440-36-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	7440-38-2	X	X	X	X	X	X	X	X	X
	Barium	7440-39-3	X	X	X	X	X	X	X	X	X
	Beryllium	7440-41-7	ND	ND	ND	ND	ND	ND	ND	X	ND
	Boron	7440-42-8	X	X	X	X	X	X	X	X	X
	Cadmium	7440-43-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	7440-70-2	X	X	X	X	X	X	X	X	X
	Chromium (total)	7440-47-3	X	X	X	X	X	X	X	X	X
	Cobalt	7440-48-4	X	X	X	X	X	X	X	X	X
	Copper	7440-50-8	X	X	X	X	X	X	X	X	X
	Gold	7440-57-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Iron	7439-89-6	X	X	X	X	X	X	X	X	X
	Lead	7439-92-1	X	X	X	X	X	X	X	X	X
	Lithium	7439-93-2	X	X	X	X	X	X	X	X	X
	Magnesium	7439-95-4	X	X	X	X	X	X	X	X	X
	Manganese	7439-96-5	X	X	X	X	X	X	X	X	X
	Mercury	7439-97-6	X	X	X	X	X	X	X	X	X
	Nickel	7440-02-0	X	X	X	X	X	X	X	X	X
	Potassium	7440-09-7	X	X	X	X	X	X	X	X	X
	Selenium	7782-49-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	7440-22-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	7440-23-5	X	X	X	X	X	X	X	X	X
	Strontium	7440-24-6	X	X	X	X	X	X	X	X	X
	Thallium	7440-28-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tin	7440-31-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Titanium	7440-32-6	X	X	X	X	X	X	X	X	X
	Vanadium	7440-62-2	X	X	X	X	X	X	X	X	X
	Zinc	7440-66-6	X	X	X	X	X	X	X	X	X
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4'-DDD	53-19-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDD	72-54-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDE	72-55-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDT	50-29-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Aldrin	309-00-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	alpha-BHC	319-84-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ALPHA-CHLORDANE	5103-71-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	beta-BHC	319-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorpyrifos	2921-88-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-Nonachlor	5103-73-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	delta-BHC	319-86-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Diallate (total)	2303-16-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dieldrin	60-57-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dimethoate	60-51-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dinoseb	88-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Disulfoton	298-04-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan I	959-98-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan II	33213-65-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan sulfate	1031-07-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endrin	72-20-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endrin aldehyde	7421-93-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Famphur	52-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	gamma-BHC	58-89-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GAMMA-CHLORDANE	12789-03-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor	76-44-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	1024-57-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	118-74-1	ND	ND	ND	ND	ND	X	ND	ND	ND
	Isodrin	465-73-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methoxychlor	72-43-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl chlorpyrifos	5598-13-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl parathion	298-00-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Mirex	2385-85-5	ND	ND	ND	ND	ND	ND	ND	ND	ND

Class	Chemical Name	CAS #	RRR-1036+00-IC107 Seg 6 0.5-1	RRR-1041+50-IC26 Seg 6 0-0.5	RRR-1041+50-IC99 Seg 6 0.5-1	RRR-1042+00-IC88 Seg 6 0-0.5	RUU-1128+50-IC234 Seg 7 0-0.5	RUU-1133+50-IC188 Seg 7 0-0.5	RUU-1141+50-IC259 Seg 7 0-0.5	RUU-1141+50-IC317 Seg 7 0-0.5	RVV-1147+50-IC267 Seg 7 0.5-1
	Octachlorostyrene	29082-74-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oxychlordane	27304-13-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Parathion	56-38-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phorate	298-02-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polybrominated biphenyls	67774-32-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Propachlor	1918-16-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ronnel	299-84-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Thionazin	297-97-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toxaphene	8001-35-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-Nonachlor	39765-80-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	ND	ND	X	ND	X	X	X	ND	ND
	1,2,4,5-Tetrachlorobenzene	95-94-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,2'-oxybis(1-Chloropropane)	108-60-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,3,4,6-Tetrachlorophenol	58-90-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4,5-Trichlorophenol	95-95-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4,6-Trichlorophenol	88-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dichlorophenol	120-83-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dimethylphenol	105-67-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dinitrophenol	51-28-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,6-Dichlorophenol	87-65-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,6-Dinitrotoluene	606-20-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Chloronaphthalene	91-58-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Chlorophenol	95-57-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	91-57-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylphenol	95-48-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Nitroaniline	88-74-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Nitrophenol	88-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Phenylphenol	90-43-7	ND	ND	ND	ND	ND	X	ND	ND	ND
	3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Methylphenol	108-39-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Nitroaniline	99-09-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,6-Dinitro-2-methylphenol	534-52-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Bromophenyl-phenyl ether	101-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chloro-3-methylphenol	59-50-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chlorophenyl-phenyl ether	7005-72-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methylphenol	106-44-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Nitroaniline	100-01-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Nitrophenol	100-02-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acenaphthene	83-32-9	ND	ND	ND	ND	X	X	X	ND	ND
	Acenaphthylene	208-96-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Aniline	62-53-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Anthracene	120-12-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Azobenzene	103-33-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzidine	92-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)anthracene	56-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	X	ND	X	X	X
	Benzo(b)fluoranthene	205-99-2	ND	ND	ND	ND	X	ND	X	ND	X
	Benzo(g,h,i)perylene	191-24-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	207-08-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzyl alcohol	100-51-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Chloroethoxy)methane	111-91-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Chloroethyl) ether	111-44-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)phthalate	117-81-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	BISPHENOL A	80-05-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Butylbenzylphthalate	85-68-7	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 4: In-Channel Sediment Screening: SCOI Screening Summary (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RRR-1036+00-IC107 Seg 6 0.5-1	RRR-1041+50-IC26 Seg 6 0-0.5	RRR-1041+50-IC99 Seg 6 0.5-1	RRR-1042+00-IC88 Seg 6 0-0.5	RUU-1128+50-IC234 Seg 7 0-0.5	RUU-1133+50-IC188 Seg 7 0-0.5	RUU-1141+50-IC259 Seg 7 0-0.5	RUU-1141+50-IC317 Seg 7 0-0.5	RVV-1147+50-IC267 Seg 7 0.5-1
	Carbazole	86-74-8	ND	ND	ND	ND	ND	ND	X	ND	ND
	Chlorobenzilate	510-15-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	218-01-9	ND	ND	ND	ND	X	X	X	ND	X
	Dibenz(a,h)anthracene	53-70-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Diethylphthalate	84-66-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dimethyl phthalate	131-11-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Di-n-butyl phthalate	84-74-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	DI-N-OCTYLPHTHALATE	117-84-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Fluoranthene	206-44-0	ND	X	X	X	X	X	X	ND	X
	Fluorene	86-73-7	ND	ND	ND	ND	X	X	X	ND	X
	Hexachlorobutadiene	87-68-3	ND	ND	ND	ND	X	ND	ND	ND	ND
	HEXACHLOROCYCLOPENTADIENE	77-47-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachloroethane	67-72-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Isophorone	78-59-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	91-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nitrobenzene	98-95-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitrosodimethylamine	62-75-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitroso-di-n-propylamine	621-64-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitrosodiphenylamine	86-30-6	ND	ND	ND	ND	X	ND	ND	ND	ND
	Pentachlorobenzene	608-93-5	ND	ND	ND	ND	X	ND	ND	ND	ND
	Pentachloronitrobenzene	82-68-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pentachlorophenol	87-86-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	85-01-8	ND	ND	ND	ND	X	X	X	ND	X
	Phenol	108-95-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	p-tert-Butylphenol	98-54-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	129-00-0	ND	X	X	X	X	X	X	ND	X
	Pyridine	110-86-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Chlorophenols	TCLP_ERA_Dow	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Chlororbenzenes	TCLB_ERA_Dow	ND	ND	X	ND	X	X	X	ND	ND
	Total PAHs	TPAH_ERA_Dow	ND	X	X	X	X	X	X	X	X
VOC	1,2,3-Trichlorobenzene	87-61-6	ND	ND	ND	ND	X	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	X	X	ND	ND	ND
	1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	X	X	ND	ND	ND
	1,4-Dichlorobenzene	106-46-7	ND	ND	ND	ND	X	X	ND	ND	ND
		Number of SCOIs detected	**21**	**24**	**26**	**24**	**39**	**35**	**33**	**24**	**29**

Notes:

NA	not analyzed	BHC
ND	not detected, based on 1/2 detection limit	CAS
SCOI	secondary constituent of interest	DDD
SVOC	semi-volatile organic compound	DDE
VOC	volatile organic compound	DDT
X	Denotes location with detected SCOI	PAHs

Table 4: In-Channel Sediment Screening: SCOI Screening Summary (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RVV-1157+00-IC276 Seg 7 0-0.5	RVV-1167+50-IC33 Seg 7 0-0.5	RWW-1213+50-IC109 Seg 7 0.5-1	RXX-1220+50-IC334 Seg 7 0-0.5	RXX-1242+00-IC260 Seg 7 0-0.5	RXX-1252+00-IC251 Seg 7 0-0.5	RYY-1267+00-IC1089 Seg 7 0-0.5	RYY-1267+00-IC1198 Seg 7 0-0.5	RYY-1271+00-IC1090 Seg 7 0.5-1
Metal	Aluminum	7429-90-5	X	X	X	X	X	X	X	X	X
	Antimony	7440-36-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	7440-38-2	X	X	X	X	X	X	X	X	X
	Barium	7440-39-3	X	X	X	X	X	X	X	X	X
	Beryllium	7440-41-7	ND	ND	ND	ND	ND	ND	X	X	X
	Boron	7440-42-8	X	X	X	X	X	X	X	X	X
	Cadmium	7440-43-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	7440-70-2	X	X	X	X	X	X	X	X	X
	Chromium (total)	7440-47-3	X	X	X	X	X	X	X	X	X
	Cobalt	7440-48-4	X	X	X	X	X	X	X	X	X
	Copper	7440-50-8	X	X	X	X	X	X	X	X	X
	Gold	7440-57-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Iron	7439-89-6	X	X	X	X	X	X	X	X	X
	Lead	7439-92-1	X	X	X	X	X	X	X	X	X
	Lithium	7439-93-2	X	X	X	X	X	X	X	X	X
	Magnesium	7439-95-4	X	X	X	X	X	X	X	X	X
	Manganese	7439-96-5	X	X	X	X	X	X	X	X	X
	Mercury	7439-97-6	X	X	X	X	X	X	X	X	X
	Nickel	7440-02-0	X	X	X	X	X	X	X	X	X
	Potassium	7440-09-7	X	X	X	X	X	X	X	X	X
	Selenium	7782-49-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	7440-22-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sodium	7440-23-5	X	X	X	X	X	X	X	X	X
	Strontium	7440-24-6	X	X	X	X	X	X	X	X	X
	Thallium	7440-28-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Tin	7440-31-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Titanium	7440-32-6	X	X	X	X	X	X	X	X	X
	Vanadium	7440-62-2	X	X	X	X	X	X	X	X	X
	Zinc	7440-66-6	X	X	X	X	X	X	X	X	X
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4'-DDD	53-19-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDD	72-54-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDE	72-55-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,4'-DDT	50-29-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Aldrin	309-00-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	alpha-BHC	319-84-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ALPHA-CHLORDANE	5103-71-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	beta-BHC	319-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorpyrifos	2921-88-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	cis-Nonachlor	5103-73-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	delta-BHC	319-86-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Diallate (total)	2303-16-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dieldrin	60-57-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dimethoate	60-51-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dinoseb	88-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Disulfoton	298-04-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan I	959-98-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan II	33213-65-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endosulfan sulfate	1031-07-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endrin	72-20-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Endrin aldehyde	7421-93-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Famphur	52-85-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	gamma-BHC	58-89-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	GAMMA-CHLORDANE	12789-03-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor	76-44-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Heptachlor epoxide	1024-57-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachlorobenzene	118-74-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Isodrin	465-73-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methoxychlor	72-43-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl chlorpyrifos	5598-13-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Methyl parathion	298-00-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Mirex	2385-85-5	ND	ND	ND	ND	ND	ND	ND	ND	ND

Class	Chemical Name	CAS #	RVV-1157+00-IC276 Seg 7 0-0.5	RVV-1167+50-IC33 Seg 7 0-0.5	RWW-1213+50-IC109 Seg 7 0.5-1	RXX-1220+50-IC334 Seg 7 0-0.5	RXX-1242+00-IC260 Seg 7 0-0.5	RXX-1252+00-IC251 Seg 7 0-0.5	RYY-1267+00-IC1089 Seg 7 0-0.5	RYY-1267+00-IC1198 Seg 7 0-0.5	RYY-1271+00-IC1090 Seg 7 0.5-1
	Octachlorostyrene	29082-74-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oxychlordane	27304-13-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Parathion	56-38-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phorate	298-02-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Polybrominated biphenyls	67774-32-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Propachlor	1918-16-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ronnel	299-84-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Thionazin	297-97-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toxaphene	8001-35-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	trans-Nonachlor	39765-80-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	X	ND	X	ND	ND	ND	ND	X	X
	1,2,4,5-Tetrachlorobenzene	95-94-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,2'-oxybis(1-Chloropropane)	108-60-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,3,4,6-Tetrachlorophenol	58-90-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4,5-Trichlorophenol	95-95-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4,6-Trichlorophenol	88-06-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dichlorophenol	120-83-2	ND	ND	ND	ND	ND	ND	ND	X	ND
	2,4-Dimethylphenol	105-67-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dinitrophenol	51-28-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,6-Dichlorophenol	87-65-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2,6-Dinitrotoluene	606-20-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Chloronaphthalene	91-58-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Chlorophenol	95-57-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylnaphthalene	91-57-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Methylphenol	95-48-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Nitroaniline	88-74-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Nitrophenol	88-75-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2-Phenylphenol	90-43-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3,3'-Dichlorobenzidine	91-94-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Methylphenol	108-39-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	3-Nitroaniline	99-09-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4,6-Dinitro-2-methylphenol	534-52-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Bromophenyl-phenyl ether	101-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chloro-3-methylphenol	59-50-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Chlorophenyl-phenyl ether	7005-72-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Methylphenol	106-44-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Nitroaniline	100-01-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4-Nitrophenol	100-02-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acenaphthene	83-32-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Acenaphthylene	208-96-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Aniline	62-53-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Anthracene	120-12-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Azobenzene	103-33-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzidine	92-87-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)anthracene	56-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	ND	ND	ND	X	ND
	Benzo(b)fluoranthene	205-99-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(g,h,i)perylene	191-24-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzo(k)fluoranthene	207-08-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzyl alcohol	100-51-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Chloroethoxy)methane	111-91-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Chloroethyl) ether	111-44-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	bis(2-Ethylhexyl)phthalate	117-81-7	ND	ND	ND	ND	ND	ND	X	X	X
	BISPHENOL A	80-05-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Butylbenzylphthalate	85-68-7	ND	ND	ND	ND	ND	ND	ND	ND	X

Table 4: In-Channel Sediment Screening: SCOI Screening Summary (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RVV-1157+00-IC276 Seg 7 0-0.5	RVV-1167+50-IC33 Seg 7 0-0.5	RWW-1213+50-IC109 Seg 7 0.5-1	RXX-1220+50-IC334 Seg 7 0-0.5	RXX-1242+00-IC260 Seg 7 0-0.5	RXX-1252+00-IC251 Seg 7 0-0.5	RYY-1267+00-IC1089 Seg 7 0-0.5	RYY-1267+00-IC1198 Seg 7 0-0.5	RYY-1271+00-IC1090 Seg 7 0.5-1
	Carbazole	86-74-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzilate	510-15-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chrysene	218-01-9	ND	X	ND	ND	ND	ND	X	X	X
	Dibenz(a,h)anthracene	53-70-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Diethylphthalate	84-66-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Dimethyl phthalate	131-11-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Di-n-butyl phthalate	84-74-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	DI-N-OCTYLPHTHALATE	117-84-0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Fluoranthene	206-44-0	X	X	X	X	X	X	X	X	X
	Fluorene	86-73-7	ND	ND	ND	ND	ND	ND	ND	X	ND
	Hexachlorobutadiene	87-68-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	HEXACHLOROCYCLOPENTADIENE	77-47-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Hexachloroethane	67-72-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Isophorone	78-59-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Naphthalene	91-20-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Nitrobenzene	98-95-3	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitrosodimethylamine	62-75-9	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitroso-di-n-propylamine	621-64-7	ND	ND	ND	ND	ND	ND	ND	ND	ND
	N-Nitrosodiphenylamine	86-30-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pentachlorobenzene	608-93-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pentachloronitrobenzene	82-68-8	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pentachlorophenol	87-86-5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Phenanthrene	85-01-8	ND	ND	ND	ND	ND	ND	ND	X	ND
	Phenol	108-95-2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	p-tert-Butylphenol	98-54-4	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Pyrene	129-00-0	X	X	X	X	ND	ND	X	X	X
	Pyridine	110-86-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total Chlorophenols	TCLP_ERA_Dow	ND	ND	ND	ND	ND	ND	ND	X	ND
	Total Chlororbenzenes	TCLB_ERA_Dow	X	ND	X	ND	ND	ND	ND	X	X
	Total PAHs	TPAH_ERA_Dow	X	X	X	X	X	X	X	X	X
VOC	1,2,3-Trichlorobenzene	87-61-6	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2,4-Trichlorobenzene	120-82-1	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2-Dichlorobenzene	95-50-1	ND	ND	ND	ND	ND	ND	ND	X	ND
	1,3-Dichlorobenzene	541-73-1	ND	ND	ND	ND	ND	ND	ND	X	ND
	1,4-Dichlorobenzene	106-46-7	ND	ND	ND	ND	ND	ND	ND	X	X
		Number of SCOIs detected	**26**	**25**	**26**	**24**	**23**	**23**	**27**	**37**	**31**

Notes:

NA	not analyzed	BHC
ND	not detected, based on 1/2 detection limit	CAS
SCOI	secondary constituent of interest	DDD
SVOC	semi-volatile organic compound	DDE
VOC	volatile organic compound	DDT
X	Denotes location with detected SCOI	PAHs

Table 4: In-Channel Sediment Screening: SCOI Screening Summary (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RYY-1276+00-IC174 Seg 7 0.5-1	RYY-1276+00-IC318 Seg 7 0-0.5
Metal	Aluminum	7429-90-5	X	X
	Antimony	7440-36-0	ND	ND
	Arsenic	7440-38-2	X	X
	Barium	7440-39-3	X	X
	Beryllium	7440-41-7	ND	ND
	Boron	7440-42-8	X	X
	Cadmium	7440-43-9	ND	ND
	Calcium	7440-70-2	X	X
	Chromium (total)	7440-47-3	X	X
	Cobalt	7440-48-4	X	X
	Copper	7440-50-8	X	X
	Gold	7440-57-5	ND	ND
	Iron	7439-89-6	X	X
	Lead	7439-92-1	X	X
	Lithium	7439-93-2	X	X
	Magnesium	7439-95-4	X	X
	Manganese	7439-96-5	X	X
	Mercury	7439-97-6	X	X
	Nickel	7440-02-0	X	X
	Potassium	7440-09-7	X	X
	Selenium	7782-49-2	ND	ND
	Silver	7440-22-4	ND	ND
	Sodium	7440-23-5	X	X
	Strontium	7440-24-6	X	X
	Thallium	7440-28-0	ND	ND
	Tin	7440-31-5	ND	ND
	Titanium	7440-32-6	X	X
	Vanadium	7440-62-2	X	X
	Zinc	7440-66-6	X	X
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	ND	ND
	2,4'-DDD	53-19-0	ND	ND
	4,4'-DDD	72-54-8	ND	ND
	4,4'-DDE	72-55-9	ND	ND
	4,4'-DDT	50-29-3	ND	ND
	Aldrin	309-00-2	ND	ND
	alpha-BHC	319-84-6	ND	ND
	ALPHA-CHLORDANE	5103-71-9	ND	ND
	beta-BHC	319-85-7	ND	ND
	Chlorpyrifos	2921-88-2	ND	ND
	cis-Nonachlor	5103-73-1	ND	ND
	delta-BHC	319-86-8	ND	ND
	Diallate (total)	2303-16-4	ND	ND
	Dieldrin	60-57-1	ND	ND
	Dimethoate	60-51-5	ND	ND
	Dinoseb	88-85-7	ND	ND
	Disulfoton	298-04-4	ND	ND
	Endosulfan I	959-98-8	ND	ND
	Endosulfan II	33213-65-9	ND	ND
	Endosulfan sulfate	1031-07-8	ND	ND
	Endrin	72-20-8	ND	ND
	Endrin aldehyde	7421-93-4	ND	ND
	Famphur	52-85-7	ND	ND
	gamma-BHC	58-89-9	ND	ND
	GAMMA-CHLORDANE	12789-03-6	ND	ND
	Heptachlor	76-44-8	ND	ND
	Heptachlor epoxide	1024-57-3	ND	ND
	Hexachlorobenzene	118-74-1	ND	ND
	Isodrin	465-73-6	ND	ND
	Methoxychlor	72-43-5	ND	ND
	Methyl chlorpyrifos	5598-13-0	ND	ND
	Methyl parathion	298-00-0	ND	ND
	Mirex	2385-85-5	ND	ND

Class	Chemical Name	CAS #	RYY-1276+00-IC174 Seg 7 0.5-1	RYY-1276+00-IC318 Seg 7 0-0.5
	Octachlorostyrene	29082-74-4	ND	ND
	Oxychlordane	27304-13-8	ND	ND
	Parathion	56-38-2	ND	ND
	Phorate	298-02-2	ND	ND
	Polybrominated biphenyls	67774-32-7	ND	ND
	Propachlor	1918-16-7	ND	ND
	Ronnel	299-84-3	ND	ND
	Thionazin	297-97-2	ND	ND
	Toxaphene	8001-35-2	ND	ND
	trans-Nonachlor	39765-80-5	ND	ND
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	ND	ND
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	ND	ND
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	ND	ND
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	ND	ND
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	ND	ND
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	ND	ND
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	X	ND
	1,2,4,5-Tetrachlorobenzene	95-94-3	ND	ND
	2,2'-oxybis(1-Chloropropane)	108-60-1	ND	ND
	2,3,4,6-Tetrachlorophenol	58-90-2	ND	ND
	2,4,5-Trichlorophenol	95-95-4	ND	ND
	2,4,6-Trichlorophenol	88-06-2	ND	ND
	2,4-Dichlorophenol	120-83-2	ND	ND
	2,4-Dimethylphenol	105-67-9	ND	ND
	2,4-Dinitrophenol	51-28-5	ND	ND
	2,4-Dinitrotoluene	121-14-2	ND	ND
	2,6-Dichlorophenol	87-65-0	ND	ND
	2,6-Dinitrotoluene	606-20-2	ND	ND
	2-Chloronaphthalene	91-58-7	ND	ND
	2-Chlorophenol	95-57-8	ND	ND
	2-Methylnaphthalene	91-57-6	ND	ND
	2-Methylphenol	95-48-7	ND	ND
	2-Nitroaniline	88-74-4	ND	ND
	2-Nitrophenol	88-75-5	ND	ND
	2-Phenylphenol	90-43-7	ND	ND
	3,3'-Dichlorobenzidine	91-94-1	ND	ND
	3-Methylphenol	108-39-4	ND	ND
	3-Nitroaniline	99-09-2	ND	ND
	4,6-Dinitro-2-methylphenol	534-52-1	ND	ND
	4-Bromophenyl-phenyl ether	101-55-3	ND	ND
	4-Chloro-3-methylphenol	59-50-7	ND	ND
	4-Chlorophenyl-phenyl ether	7005-72-3	ND	ND
	4-Methylphenol	106-44-5	ND	ND
	4-Nitroaniline	100-01-6	ND	ND
	4-Nitrophenol	100-02-7	ND	ND
	Acenaphthene	83-32-9	ND	ND
	Acenaphthylene	208-96-8	ND	ND
	Aniline	62-53-3	ND	ND
	Anthracene	120-12-7	ND	ND
	Azobenzene	103-33-3	ND	ND
	Benzidine	92-87-5	ND	ND
	Benzo(a)anthracene	56-55-3	ND	ND
	Benzo(a)pyrene	50-32-8	ND	ND
	Benzo(b)fluoranthene	205-99-2	ND	ND
	Benzo(g,h,i)perylene	191-24-2	ND	ND
	Benzo(k)fluoranthene	207-08-9	ND	ND
	Benzyl alcohol	100-51-6	ND	ND
	bis(2-Chloroethoxy)methane	111-91-1	ND	ND
	bis(2-Chloroethyl) ether	111-44-4	ND	ND
	bis(2-Ethylhexyl)phthalate	117-81-7	ND	ND
	BISPHENOL A	80-05-7	ND	ND
	Butylbenzylphthalate	85-68-7	ND	ND

Table 4: In-Channel Sediment Screening: SCOI Screening Summary (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RYY-1276+00-IC174 Seg 7 0.5-1	RYY-1276+00-IC318 Seg 7 0-0.5
	Carbazole	86-74-8	ND	ND
	Chlorobenzilate	510-15-6	ND	ND
	Chrysene	218-01-9	ND	ND
	Dibenz(a,h)anthracene	53-70-3	ND	ND
	Diethylphthalate	84-66-2	ND	ND
	Dimethyl phthalate	131-11-3	ND	ND
	Di-n-butyl phthalate	84-74-2	ND	ND
	DI-N-OCTYLPHTHALATE	117-84-0	ND	ND
	Fluoranthene	206-44-0	ND	X
	Fluorene	86-73-7	ND	ND
	Hexachlorobutadiene	87-68-3	ND	ND
	HEXACHLOROCYCLOPENTADIENE	77-47-4	ND	ND
	Hexachloroethane	67-72-1	ND	ND
	Indeno(1,2,3-cd)pyrene	193-39-5	ND	ND
	Isophorone	78-59-1	ND	ND
	Naphthalene	91-20-3	ND	ND
	Nitrobenzene	98-95-3	ND	ND
	N-Nitrosodimethylamine	62-75-9	ND	ND
	N-Nitroso-di-n-propylamine	621-64-7	ND	ND
	N-Nitrosodiphenylamine	86-30-6	ND	ND
	Pentachlorobenzene	608-93-5	ND	ND
	Pentachloronitrobenzene	82-68-8	ND	ND
	Pentachlorophenol	87-86-5	ND	ND
	Phenanthrene	85-01-8	ND	ND
	Phenol	108-95-2	ND	ND
	p-tert-Butylphenol	98-54-4	ND	ND
	Pyrene	129-00-0	ND	ND
	Pyridine	110-86-1	ND	ND
	Total Chlorophenols	TCLP_ERA_Dow	ND	ND
	Total Chlororbenzenes	TCLB_ERA_Dow	X	ND
	Total PAHs	TPAH_ERA_Dow	ND	X
VOC	1,2,3-Trichlorobenzene	87-61-6	ND	ND
	1,2,4-Trichlorobenzene	120-82-1	ND	ND
	1,2-Dichlorobenzene	95-50-1	ND	ND
	1,3-Dichlorobenzene	541-73-1	ND	ND
	1,4-Dichlorobenzene	106-46-7	ND	ND
		Number of SCOIs detected	**23**	**23**

Notes:

NA	not analyzed	BHC
ND	not detected, based on 1/2 detection limit	CAS
SCOI	secondary constituent of interest	DDD
SVOC	semi-volatile organic compound	DDE
VOC	volatile organic compound	DDT
X	Denotes location with detected SCOI	PAHs

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a) Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Segments 4-7 (1 ft) Max	Flag	RBB-610+00-IC175 Seg 4 0-0.5 Result	Flag	RBB-610+00-IC225 Seg 4 0.5-1 Result	Flag	RBB-614+00-IC176 Seg 4 0-0.5 Result	Flag	RCC-648+00-IC174 Seg 4 0-0.5 Result	Flag	RDD-668+00-IC58 Seg 4 0.5-1 Result	Flag
Metal	Aluminum	7429-90-5	20000	Y	No PLER	No ESLB	2900	12000		1200		2700		770		1300		1200	
	Arsenic	7440-38-2	5.71	Y	150	9.79	150	140		4		140		1.2		12		17	
	Barium	7440-39-3	46	Y	No PLER	9.02	80	59		12		59		6.6		19		20	
	Beryllium	7440-41-7	0.26	Y	No PLER	0.553	0.35	14		0.041	U	14		0.041	U	0.084	J	0.041	U
	Boron	7440-42-8	17.53	Y	No PLER	15	22	310		7.3		310		7.1		12		9	
	Cadmium	7440-43-9	0.16	Y	No PLER	0.99	1.4	42		0.045	U	42		0.045	U	0.12	J	0.14	J
	Calcium	7440-70-2	190000	Y	No PLER	No ESLB	190000	160000		69000		20000		41000		18000		14000	
	Chromium (total)	7440-47-3	9.5	Y	No PLER	43.4	160	45		4.5		45		3.2		4.8		4.1	
	Cobalt	7440-48-4	4.42	Y	No PLER	50	12.72	42		1.7		42		1.3		2.6		2.3	
	Copper	7440-50-8	9.7	Y	No PLER	31.6	190	43		1.7		40		1.3		3.2		2.9	
	Iron	7439-89-6	38000	Y	No PLER	No ESLB	25000	15000		4500		7300		2800		12000		7800	
	Lead	7439-92-1	4.69	Y	No PLER	35.8	260	140		1.8		140		1.3		3.3		2.3	
	Lithium	7439-93-2	19	Y	No PLER	28.8	7.2	48		2.8		48		1.7		2.7		2.9	
	Magnesium	7439-95-4	210000	Y	No PLER	No ESLB	31000	34000		7600		7300		7000		5700		6300	
	Manganese	7439-96-5	1800	Y	No PLER	460	480	450		160		200		86		170		93	
	Mercury	7439-97-6	0.02	Y	No PLER	0.174	0.72	0.31		0.021	J	0.021	J			0.011	J	0.025	J
	Nickel	7440-02-0	14.13	Y	No PLER	22.7	79	45		2.7		45		1.7		3.4		3	
	Potassium	7440-09-7	2300	Y	No PLER	No ESLB	No SSSL	3100		130		3100		94		160		200	
	Selenium	7782-49-2	0.45	Y	No PLER	0.025	0.68	69		0.012	U	69		0.012	U	0.012	U	0.012	U
	Sodium	7440-23-5	340	Y	No PLER	No ESLB	74	440		130		440		71		120		150	
	Strontium	7440-24-6	62.73	Y	No PLER	290.5	370	63		36		50		17		20		20	
	Thallium	7440-28-0	0.095	N	No PLER	0.51	1.682	140		0.098	U	140		0.098	U	0.098	U	0.098	U
	Titanium	7440-32-6	160	Y	No PLER	No ESLB	120	150		50		150		46		45		57	
	Vanadium	7440-62-2	13	Y	No PLER	12	38.02	45		3.4		45		2.9		5		5.3	
	Zinc	7440-66-6	37.11	Y	No PLER	121	73	150		16		56		11		25		18	
	Hexachlorobenzene	118-74-1	0.004	N	No PLER	0.02	No SSSL	0.02		0.01	J	0.004	U	0.004	U	0.004	U	0.004	U
	Octachlorostyrene	29082-74-4	0.004	N	No PLER	2.6	No SSSL	0.01	J	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	No PLER	0.56	0.39	0.14		0.07		0.005	U	0.05		0.005	U	0.005	U
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	No PLER	0.129	2.8	0.08		0.004	U	0.004	U	0.004	U	0.06		0.004	U
	2,4-Dichlorophenol	120-83-2	0.03	N	No PLER	0.0817	10	0.07	J	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	2-Phenylphenol	90-43-7	0.01	N	92	0.058	92	0.63		0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	Acenaphthene	83-32-9	0.1	Y	No PLER	0.00671	0.62	0.41		0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
	Benzo(a)pyrene	50-32-8	0.58	Y	No PLER	0.15	1.2	0.83		0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	Benzo(b)fluoranthene	205-99-2	0.26	Y	No PLER	10.4	1.4	1.4		0.039	U	0.039	U	0.039	U	0.039	U	0.039	U
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	N	No PLER	0.182	No SSSL	0.21	J	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	Butylbenzylphthalate	85-68-7	0.09	Y	No PLER	1.97	No SSSL	0.39		0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Carbazole	86-74-8	0.005	N	No PLER	0.452	0.16	0.39		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Chrysene	218-01-9	0.03	N	No PLER	0.166	1.5	1.8		0.09	J	0.028	U	0.028	U	0.028	U	0.028	U
	DI-N-OCTYLPHTHALATE	117-84-0	2.6	Y	No PLER	40.6	No SSSL	0.21	J	0.046	U	0.046	U	0.046	U	0.046	U	0.21	J
	Fluoranthene	206-44-0	0.59	Y	No PLER	0.423	4	4.4		0.48		0.3		0.27		0.029	U	0.029	U
	Fluorene	86-73-7	0.34	Y	No PLER	0.0774	0.54	0.66		0.29		0.032	U	0.032	U	0.032	U	0.032	U
	Hexachlorobutadiene	87-68-3	0.03	N	No PLER	0.0265	2.2	0.12	J	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Naphthalene	91-20-3	0.05	N	No PLER	0.176	0.4	0.1	J	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	N-Nitrosodiphenylamine	86-30-6	0.03	N	No PLER	0.11	28	0.32		0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Pentachlorobenzene	608-93-5	0.0035	N	No PLER	0.024	No SSSL	0.03		0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Pentachlorophenol	87-86-5	0.03	N	No PLER	23	2.4	0.061		0.0085	U	0.0085	U	0.0085	U	0.035		0.0085	U

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a) Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Segments 4-7 (1 ft) Max	Flag	RBB-610+00-IC175 Seg 4 0-0.5 Result	Flag	RBB-610+00-IC225 Seg 4 0.5-1 Result	Flag	RBB-614+00-IC176 Seg 4 0-0.5 Result	Flag	RCC-648+00-IC174 Seg 4 0-0.5 Result	Flag	RDD-668+00-IC58 Seg 4 0.5-1 Result	Flag
	Phenanthrene	85-01-8	0.58	Y	No PLER	0.204	2.5	4.4		0.16	J	0.05	U	0.05	U	0.05	U	0.05	U
	p-tert-Butylphenol	98-54-4	0.01	N	No PLER	No ESLB	4.3	0.15	J	0.15	J	0.013	U	0.013	U	0.013	U	0.013	U
	Pyrene	129-00-0	0.7	Y	No PLER	0.195	4.2	3.3		0.57		0.44		0.42		0.53		0.026	U
	Total Chlorophenols	TCLP_ERA_Dow	0.214	N	25.7	No ESLB	25.7	0.3245		0.049	U	0.049	U	0.049	U	0.2785		0.049	U
	Total Chlororbenzenes	TCLB_ERA_Dow	No Bkg	NA	33.3	No ESLB	33.3	1.3385		0.8695		0.027	U	0.1555		0.027	U	0.027	U
	Total PAHs	TPAH_ERA_Dow	2.51	Y	15.1	No ESLB	15.1	15.621		1.799		1.058		1.008		0.877		0.052	U
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	N	No PLER	0.117	0.14	0.01	J	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	1,2,4-Trichlorobenzene	120-82-1	0.03	N	No PLER	5.06	1	0.17	J	0.027	U	0.027	U	0.027	U	0.027	U	0.027	U
	1,2-Dichlorobenzene	95-50-1	0.02	N	No PLER	0.294	11	0.82		0.63		0.021	U	0.021	U	0.021	U	0.021	U
	1,3-Dichlorobenzene	541-73-1	0.03	N	No PLER	1.32	1.6	0.14		0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	1,4-Dichlorobenzene	106-46-7	0.02	N	No PLER	0.318	13	0.88		0.1		0.021	U	0.021	U	0.021	U	0.021	U

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
ft	foot
J	estimated value
Max	maximum
NA	not applicable
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
U	not detected, based on 1/2 detection limit
VOC	volatile organic compound

(a) Sediment BKG Max used to determine if SCOI should be screened out (sediment max > segment 4 max)
(b) PLER as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened out (PLER > segments 4-7 max)
(c) Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs), used to determine if SCOI should be screened out (individual SCOI included in total mixture)
(d) ESLB, SSSL as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened out (ESLB or SSSL > segments 4-7 max)
Segment 4-7 maximum in-channel sediment concentration

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RDD-670+00-IC205 Seg 4 0-0.5		RDD-673+50-IC251 Seg 4 0.5-1		RFF-707+00-IC157 Seg 4 0.5-1		RFF-707+00-IC94 Seg 4 0.5-1		RHH-768+00-IC26 Seg 4 0-0.5		RII-782+00-IC132 Seg 4 0-0.5	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Aluminum	7429-90-5	20000	Y	No PLER	No ESLB	2900	830		770		740		950		890		1300	
	Arsenic	7440-38-2	5.71	Y	150	9.79	150	5.6		2.7		1.3		3.7		1.1		5.3	
	Barium	7440-39-3	46	Y	No PLER	9.02	80	18		8.7		6.2		16		14		19	
	Beryllium	7440-41-7	0.26	Y	No PLER	0.553	0.35	0.041	U	0.041	U	0.041	U	0.089	J	0.041	U	0.041	U
	Boron	7440-42-8	17.53	Y	No PLER	15	22	12		7.8		5.9		12		8		10	
	Cadmium	7440-43-9	0.16	Y	No PLER	0.99	1.4	0.12	J	0.045	U	0.045	U	0.045	U	0.045	U	0.11	J
	Calcium	7440-70-2	190000	Y	No PLER	No ESLB	190000	19000		10000		18000		21000		19000		51000	
	Chromium (total)	7440-47-3	9.5	Y	No PLER	43.4	160	3.8		3.3		3.5		5.1		3.4		4.5	
	Cobalt	7440-48-4	4.42	Y	No PLER	50	12.72	1.7		1.3		1.1		1.8		1.3		2	
	Copper	7440-50-8	9.7	Y	No PLER	31.6	190	6.3		2.4		1.3		2.1		2.9		2.4	
	Iron	7439-89-6	38000	Y	No PLER	No ESLB	25000	5000		3300		2400		3300		2500		5300	
	Lead	7439-92-1	4.69	Y	No PLER	35.8	260	4.5		1.7		1.2		2		2.7		2.5	
	Lithium	7439-93-2	19	Y	No PLER	28.8	7.2	1.6		1.4		1.5		2		2		2.9	
	Magnesium	7439-95-4	210000	Y	No PLER	No ESLB	31000	2600		3000		3000		3900		3100		7400	
	Manganese	7439-96-5	1800	Y	No PLER	460	480	120		68		57		99		55		180	
	Mercury	7439-97-6	0.02	Y	No PLER	0.174	0.72	0.066		0.022	J	0.1		0.0098	J	0.0047	U	0.0094	J
	Nickel	7440-02-0	14.13	Y	No PLER	22.7	79	3.4		2.4		1.6		2.7		1.8		3.1	
	Potassium	7440-09-7	2300	Y	No PLER	No ESLB	No SSSL	110		83		83		69		110		200	
	Selenium	7782-49-2	0.45	Y	No PLER	0.025	0.68	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	Sodium	7440-23-5	340	Y	No PLER	No ESLB	74	170		86		81		88		55		140	
	Strontium	7440-24-6	62.73	Y	No PLER	290.5	370	34		14		16		16		10		34	
	Thallium	7440-28-0	0.095	N	No PLER	0.51	1.682	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	Titanium	7440-32-6	160	Y	No PLER	No ESLB	120	54		34		48		62		64		40	
	Vanadium	7440-62-2	13	Y	No PLER	12	38.02	3.3		2.7		2.5		3.5		4		3.8	
	Zinc	7440-66-6	37.11	Y	No PLER	121	73	22		13		9.7		20		13		21	
	Hexachlorobenzene	118-74-1	0.004	N	No PLER	0.02	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.01	J
	Octachlorostyrene	29082-74-4	0.004	N	No PLER	2.6	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	No PLER	0.56	0.39	0.09		0.07		0.005	U	0.08		0.005	U	0.11	
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	No PLER	0.129	2.8	0.08		0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	2,4-Dichlorophenol	120-83-2	0.03	N	No PLER	0.0817	10	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	2-Phenylphenol	90-43-7	0.01	N	92	0.058	92	0.06	J	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	Acenaphthene	83-32-9	0.1	Y	No PLER	0.00671	0.62	0.05	J	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
	Benzo(a)pyrene	50-32-8	0.58	Y	No PLER	0.15	1.2	0.28		0.37		0.029	U	0.029	U	0.029	U	0.029	U
	Benzo(b)fluoranthene	205-99-2	0.26	Y	No PLER	10.4	1.4	0.31		0.49		0.039	U	0.039	U	0.039	U	0.039	U
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	N	No PLER	0.182	No SSSL	0.21	J	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	Butylbenzylphthalate	85-68-7	0.09	Y	No PLER	1.97	No SSSL	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Carbazole	86-74-8	0.005	N	No PLER	0.452	0.16	0.05		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Chrysene	218-01-9	0.03	N	No PLER	0.166	1.5	0.48		0.55		0.028	U	0.028	U	0.028	U	0.028	U
	DI-N-OCTYLPHTHALATE	117-84-0	2.6	Y	No PLER	40.6	No SSSL	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U
	Fluoranthene	206-44-0	0.59	Y	No PLER	0.423	4	1.6		1.4		0.29		0.35		0.32		0.36	
	Fluorene	86-73-7	0.34	Y	No PLER	0.0774	0.54	0.48		0.32		0.032	U	0.032	U	0.032	U	0.29	
	Hexachlorobutadiene	87-68-3	0.03	N	No PLER	0.0265	2.2	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Naphthalene	91-20-3	0.05	N	No PLER	0.176	0.4	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	N-Nitrosodiphenylamine	86-30-6	0.03	N	No PLER	0.11	28	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Pentachlorobenzene	608-93-5	0.0035	N	No PLER	0.024	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.02	
	Pentachlorophenol	87-86-5	0.03	N	No PLER	23	2.4	0.061		0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RDD-670+00-IC205 Seg 4 0-0.5		RDD-673+50-IC251 Seg 4 0.5-1		RFF-707+00-IC157 Seg 4 0.5-1		RFF-707+00-IC94 Seg 4 0.5-1		RHH-768+00-IC26 Seg 4 0-0.5		RII-782+00-IC132 Seg 4 0-0.5	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
	Phenanthrene	85-01-8	0.58	Y	No PLER	0.204	2.5	0.96		0.3	J	0.05	U	0.05	U	0.05	U	0.05	U
	p-tert-Butylphenol	98-54-4	0.01	N	No PLER	No ESLB	4.3	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
	Pyrene	129-00-0	0.7	Y	No PLER	0.195	4.2	1.4		1.4		0.45		0.5		0.48		0.49	
	Total Chlorophenols	TCLP_ERA_Dow	0.214	N	25.7	No ESLB	25.7	0.3245		0.049	U	0.049	U	0.049	U	0.049	U	0.049	U
	Total Chlororbenzenes	TCLB_ERA_Dow	No Bkg	NA	33.3	No ESLB	33.3	1.0735		0.1755		0.027	U	0.7225		0.027	U	0.271	
	Total PAHs	TPAH_ERA_Dow	2.51	Y	15.1	No ESLB	15.1	5.4175		4.5205		1.058		1.168		1.118		1.4265	
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	N	No PLER	0.117	0.14	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	1,2,4-Trichlorobenzene	120-82-1	0.03	N	No PLER	5.06	1	0.027	U	0.027	U	0.027	U	0.17	J	0.027	U	0.06	J
	1,2-Dichlorobenzene	95-50-1	0.02	N	No PLER	0.294	11	0.82		0.021	U	0.021	U	0.021	U	0.021	U	0.021	U
	1,3-Dichlorobenzene	541-73-1	0.03	N	No PLER	1.32	1.6	0.03	U	0.03	U	0.03	U	0.07	J	0.03	U	0.03	U
	1,4-Dichlorobenzene	106-46-7	0.02	N	No PLER	0.318	13	0.1		0.021	U	0.021	U	0.37		0.021	U	0.021	U

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
ft	foot
J	estimated value
Max	maximum
NA	not applicable
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
U	not detected, based on 1/2 detection limit
VOC	volatile organic compound

(a) Sediment BKG Max used to determine if SCOI should be screened out (sediment max > segment 4 max)
(b) PLER as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened out (P
(c) Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs), used to determ
(d) ESLB, SSSL as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened

Segment 4-7 maximum in-channel sediment concentration

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RII-783+00-IC135 Seg 4 0-0.5		RII-787+00-IC140 Seg 4 0.5-1		RII-801+00-IC147 Seg 5 0-0.5		RII-801+00-IC92 Seg 5 0-0.5		RII-802+00-IC41 Seg 5 0-0.5		RJJ-852+50-IC171 Seg 5 0.5-1	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Aluminum	7429-90-5	20000	Y	No PLER	No ESLB	2900	1500		1900		770		1100		1100		800	
	Arsenic	7440-38-2	5.71	Y	150	9.79	150	6		2.2		2.6		3.8		4.4		1.7	
	Barium	7440-39-3	46	Y	No PLER	9.02	80	29		32		14		19		25		14	
	Beryllium	7440-41-7	0.26	Y	No PLER	0.553	0.35	0.093	J	0.097	J	0.041	U	0.041	U	0.041	U	0.041	U
	Boron	7440-42-8	17.53	Y	No PLER	15	22	13		13		9.5		10		9.5		7	
	Cadmium	7440-43-9	0.16	Y	No PLER	0.99	1.4	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Calcium	7440-70-2	190000	Y	No PLER	No ESLB	190000	100000		82000		58000		99000		100000		22000	
	Chromium (total)	7440-47-3	9.5	Y	No PLER	43.4	160	10		6.4		4.1		5		4.3		3.5	
	Cobalt	7440-48-4	4.42	Y	No PLER	50	12.72	3		2.4		1.4		2		1.7		1.3	
	Copper	7440-50-8	9.7	Y	No PLER	31.6	190	4.7		5		1.4		2.1		2.5		1.2	
	Iron	7439-89-6	38000	Y	No PLER	No ESLB	25000	6200		4200		2800		4600		4500		2500	
	Lead	7439-92-1	4.69	Y	No PLER	35.8	260	8.6		4.8		2.1		2		2.4		1.2	
	Lithium	7439-93-2	19	Y	No PLER	28.8	7.2	3.9		4.1		1.9		3		3.4		2	
	Magnesium	7439-95-4	210000	Y	No PLER	No ESLB	31000	8800		5500		4000		10000		11000		3600	
	Manganese	7439-96-5	1800	Y	No PLER	460	480	240		150		90		170		160		91	
	Mercury	7439-97-6	0.02	Y	No PLER	0.174	0.72	0.018	J	0.02	J	0.015	J	0.011	J	0.063		0.016	J
	Nickel	7440-02-0	14.13	Y	No PLER	22.7	79	4		4.2		1.9		2.9		2.7		1.7	
	Potassium	7440-09-7	2300	Y	No PLER	No ESLB	No SSSL	170		280		87		150		200		110	
	Selenium	7782-49-2	0.45	Y	No PLER	0.025	0.68	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	Sodium	7440-23-5	340	Y	No PLER	No ESLB	74	36		100		74		98		120		66	
	Strontium	7440-24-6	62.73	Y	No PLER	290.5	370	22		23		15		27		33		14	
	Thallium	7440-28-0	0.095	N	No PLER	0.51	1.682	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	Titanium	7440-32-6	160	Y	No PLER	No ESLB	120	80		57		39		49		38		42	
	Vanadium	7440-62-2	13	Y	No PLER	12	38.02	6.2		5.4		2.9		4.4		3.9		2.9	
	Zinc	7440-66-6	37.11	Y	No PLER	121	73	31		26		12		17		18		11	
	Hexachlorobenzene	118-74-1	0.004	N	No PLER	0.02	No SSSL	0.004	U	0.004	U	0.01	J	0.004	U	0.02		0.004	U
	Octachlorostyrene	29082-74-4	0.004	N	No PLER	2.6	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.01	J	0.004	U
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	No PLER	0.56	0.39	0.06		0.005	U	0.005	U	0.07		0.07		0.005	U
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	No PLER	0.129	2.8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	2,4-Dichlorophenol	120-83-2	0.03	N	No PLER	0.0817	10	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	2-Phenylphenol	90-43-7	0.01	N	92	0.058	92	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	Acenaphthene	83-32-9	0.1	Y	No PLER	0.00671	0.62	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
	Benzo(a)pyrene	50-32-8	0.58	Y	No PLER	0.15	1.2	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	Benzo(b)fluoranthene	205-99-2	0.26	Y	No PLER	10.4	1.4	0.039	U	0.039	U	0.039	U	0.039	U	0.039	U	0.039	U
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	N	No PLER	0.182	No SSSL	0.047	U	0.11	J	0.047	U	0.047	U	0.047	U	0.047	U
	Butylbenzylphthalate	85-68-7	0.09	Y	No PLER	1.97	No SSSL	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Carbazole	86-74-8	0.005	N	No PLER	0.452	0.16	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Chrysene	218-01-9	0.03	N	No PLER	0.166	1.5	0.028	U	0.12	J	0.028	U	0.028	U	0.028	U	0.028	U
	DI-N-OCTYLPHTHALATE	117-84-0	2.6	Y	No PLER	40.6	No SSSL	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U
	Fluoranthene	206-44-0	0.59	Y	No PLER	0.423	4	0.34		0.55		0.29		0.35		0.39		0.31	
	Fluorene	86-73-7	0.34	Y	No PLER	0.0774	0.54	0.31		0.032	U	0.032	U	0.032	U	0.37		0.032	U
	Hexachlorobutadiene	87-68-3	0.03	N	No PLER	0.0265	2.2	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Naphthalene	91-20-3	0.05	N	No PLER	0.176	0.4	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	N-Nitrosodiphenylamine	86-30-6	0.03	N	No PLER	0.11	28	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Pentachlorobenzene	608-93-5	0.0035	N	No PLER	0.024	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Pentachlorophenol	87-86-5	0.03	N	No PLER	23	2.4	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RII-783+00-IC135 Seg 4 0-0.5		RII-787+00-IC140 Seg 4 0.5-1		RII-801+00-IC147 Seg 5 0-0.5		RII-801+00-IC92 Seg 5 0-0.5		RII-802+00-IC41 Seg 5 0-0.5		RJJ-852+50-IC171 Seg 5 0.5-1	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
	Phenanthrene	85-01-8	0.58	Y	No PLER	0.204	2.5	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
	p-tert-Butylphenol	98-54-4	0.01	N	No PLER	No ESLB	4.3	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
	Pyrene	129-00-0	0.7	Y	No PLER	0.195	4.2	0.49		0.73		0.43		0.49		0.59		0.48	
	Total Chlorophenols	TCLP_ERA_Dow	0.214	N	25.7	No ESLB	25.7	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U
	Total Chlororbenzenes	TCLB_ERA_Dow	No Bkg	NA	33.3	No ESLB	33.3	1.1885		0.027	U	0.1165	J	0.1755		0.1915		0.027	U
	Total PAHs	TPAH_ERA_Dow	2.51	Y	15.1	No ESLB	15.1	1.4265		1.69		1.038		1.158		1.6365		1.108	
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	N	No PLER	0.117	0.14	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	1,2,4-Trichlorobenzene	120-82-1	0.03	N	No PLER	5.06	1	0.027	U	0.027	U	0.027	U	0.027	U	0.027	U	0.027	U
	1,2-Dichlorobenzene	95-50-1	0.02	N	No PLER	0.294	11	0.61		0.021	U	0.021	U	0.021	U	0.021	U	0.021	U
	1,3-Dichlorobenzene	541-73-1	0.03	N	No PLER	1.32	1.6	0.05	J	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	1,4-Dichlorobenzene	106-46-7	0.02	N	No PLER	0.318	13	0.43		0.021	U	0.021	U	0.021	U	0.021	U	0.021	U

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
ft	foot
J	estimated value
Max	maximum
NA	not applicable
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
U	not detected, based on 1/2 detection limit
VOC	volatile organic compound

(a) Sediment BKG Max used to determine if SCOI should be screened out (sediment max > segment 4 max)
(b) PLER as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened out (P
(c) Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs), used to determ
(d) ESLB, SSSL as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened

Segment 4-7 maximum in-channel sediment concentration

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RLL-892+00-IC19 Seg 5 0-0.5		RMM-909+50-IC118 Seg 5 0-0.5		RMM-913+50-IC104 Seg 5 0-0.5		RMM-918+50-IC91 Seg 5 0-0.5		RPP-1000+00-IC178 Seg 6 0.5-1		RPP-989+50-IC284 Seg 6 0-0.5	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Aluminum	7429-90-5	20000	Y	No PLER	No ESLB	2900	2800		820		950		720		1500		1200	
	Arsenic	7440-38-2	5.71	Y	150	9.79	150	2		1.6		2.9		0.95		11		2.5	
	Barium	7440-39-3	46	Y	No PLER	9.02	80	58		15		19		8.4		16		9.8	
	Beryllium	7440-41-7	0.26	Y	No PLER	0.553	0.35	0.13	J	0.041	U	0.041	U	0.041	U	0.095	J	0.041	U
	Boron	7440-42-8	17.53	Y	No PLER	15	22	11		9		7.9		6.8		13		12	
	Cadmium	7440-43-9	0.16	Y	No PLER	0.99	1.4	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Calcium	7440-70-2	190000	Y	No PLER	No ESLB	190000	160000		67000		80000		20000		11000		37000	
	Chromium (total)	7440-47-3	9.5	Y	No PLER	43.4	160	6		3.9		4.9		3.4		14		4.6	
	Cobalt	7440-48-4	4.42	Y	No PLER	50	12.72	2.8		1.5		1.7		1.2		1.7		1.8	
	Copper	7440-50-8	9.7	Y	No PLER	31.6	190	4.6		1.3		1.5		1		43		1.7	
	Iron	7439-89-6	38000	Y	No PLER	No ESLB	25000	6000		2700		3700		2100		4100		4000	
	Lead	7439-92-1	4.69	Y	No PLER	35.8	260	3.1		1.5		2		1.3		2.8		2.1	
	Lithium	7439-93-2	19	Y	No PLER	28.8	7.2	8.6		2.2		2.4		1.7		15		1.8	
	Magnesium	7439-95-4	210000	Y	No PLER	No ESLB	31000	14000		4700		6800		4300		3000		4500	
	Manganese	7439-96-5	1800	Y	No PLER	460	480	310		88		130		77		60		99	
	Mercury	7439-97-6	0.02	Y	No PLER	0.174	0.72	0.0047	U	0.0047	U	0.01	J	0.0047	U	0.2		0.0098	J
	Nickel	7440-02-0	14.13	Y	No PLER	22.7	79	5.8		1.8		2.2		1.8		3.6		2.9	
	Potassium	7440-09-7	2300	Y	No PLER	No ESLB	No SSSL	650		110		130		88		220		150	
	Selenium	7782-49-2	0.45	Y	No PLER	0.025	0.68	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	Sodium	7440-23-5	340	Y	No PLER	No ESLB	74	120		92		83		56		98		160	
	Strontium	7440-24-6	62.73	Y	No PLER	290.5	370	63		20		23		9		45		22	
	Thallium	7440-28-0	0.095	N	No PLER	0.51	1.682	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	Titanium	7440-32-6	160	Y	No PLER	No ESLB	120	68		42		43		43		78		63	
	Vanadium	7440-62-2	13	Y	No PLER	12	38.02	8.1		3.1		3.3		2.5		5		3.6	
	Zinc	7440-66-6	37.11	Y	No PLER	121	73	16		12		17		11		20		13	
	Hexachlorobenzene	118-74-1	0.004	N	No PLER	0.02	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Octachlorostyrene	29082-74-4	0.004	N	No PLER	2.6	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	No PLER	0.56	0.39	0.005	U	0.07		0.05		0.005	U	0.005	U	0.1	
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	No PLER	0.129	2.8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	2,4-Dichlorophenol	120-83-2	0.03	N	No PLER	0.0817	10	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	2-Phenylphenol	90-43-7	0.01	N	92	0.058	92	0.012	U	0.012	U	0.012	U	0.012	U	0.63		0.012	U
	Acenaphthene	83-32-9	0.1	Y	No PLER	0.00671	0.62	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
	Benzo(a)pyrene	50-32-8	0.58	Y	No PLER	0.15	1.2	0.4		0.029	U	0.029	U	0.029	U	0.82		0.029	U
	Benzo(b)fluoranthene	205-99-2	0.26	Y	No PLER	10.4	1.4	0.039	U	0.039	U	0.039	U	0.039	U	0.63		0.039	U
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	N	No PLER	0.182	No SSSL	0.047	U	0.047	U	0.047	U	0.047	U	0.2	J	0.047	U
	Butylbenzylphthalate	85-68-7	0.09	Y	No PLER	1.97	No SSSL	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Carbazole	86-74-8	0.005	N	No PLER	0.452	0.16	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Chrysene	218-01-9	0.03	N	No PLER	0.166	1.5	0.028	U	0.028	U	0.028	U	0.028	U	1.8		0.028	U
	DI-N-OCTYLPHTHALATE	117-84-0	2.6	Y	No PLER	40.6	No SSSL	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U
	Fluoranthene	206-44-0	0.59	Y	No PLER	0.423	4	0.029	U	0.34		0.28		0.029	U	1.9		0.32	
	Fluorene	86-73-7	0.34	Y	No PLER	0.0774	0.54	0.032	U	0.032	U	0.28		0.032	U	0.032	U	0.032	U
	Hexachlorobutadiene	87-68-3	0.03	N	No PLER	0.0265	2.2	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Naphthalene	91-20-3	0.05	N	No PLER	0.176	0.4	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	N-Nitrosodiphenylamine	86-30-6	0.03	N	No PLER	0.11	28	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Pentachlorobenzene	608-93-5	0.0035	N	No PLER	0.024	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.03	
	Pentachlorophenol	87-86-5	0.03	N	No PLER	23	2.4	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.043		0.0085	U

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RLL-892+00-IC19 Seg 5 0-0.5		RMM-909+50-IC118 Seg 5 0-0.5		RMM-913+50-IC104 Seg 5 0-0.5		RMM-918+50-IC91 Seg 5 0-0.5		RPP-1000+00-IC178 Seg 6 0.5-1		RPP-989+50-IC284 Seg 6 0-0.5	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
	Phenanthrene	85-01-8	0.58	Y	No PLER	0.204	2.5	0.05	U	0.05	U	0.05	U	0.05	U	0.64		0.05	U
	p-tert-Butylphenol	98-54-4	0.01	N	No PLER	No ESLB	4.3	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
	Pyrene	129-00-0	0.7	Y	No PLER	0.195	4.2	0.026	U	0.51		0.43		0.43		3.1		0.48	
	Total Chlorophenols	TCLP_ERA_Dow	0.214	N	25.7	No ESLB	25.7	0.049	U	0.049	U	0.049	U	0.049	U	0.2305		0.049	U
	Total Chlororbenzenes	TCLB_ERA_Dow	No Bkg	NA	33.3	No ESLB	33.3	0.027	U	0.1755		0.8565		0.027	U	0.3575		0.232	
	Total PAHs	TPAH_ERA_Dow	2.51	Y	15.1	No ESLB	15.1	0.7445		1.168		1.2765		0.777		8.472		1.118	
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	N	No PLER	0.117	0.14	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	1,2,4-Trichlorobenzene	120-82-1	0.03	N	No PLER	5.06	1	0.027	U	0.027	U	0.06	J	0.027	U	0.13	J	0.027	U
	1,2-Dichlorobenzene	95-50-1	0.02	N	No PLER	0.294	11	0.021	U	0.021	U	0.57		0.021	U	0.021	U	0.021	U
	1,3-Dichlorobenzene	541-73-1	0.03	N	No PLER	1.32	1.6	0.03	U	0.03	U	0.03	U	0.03	U	0.05	J	0.03	U
	1,4-Dichlorobenzene	106-46-7	0.02	N	No PLER	0.318	13	0.021	U	0.021	U	0.14		0.021	U	0.14		0.021	U

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
ft	foot
J	estimated value
Max	maximum
NA	not applicable
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
U	not detected, based on 1/2 detection limit
VOC	volatile organic compound

(a) Sediment BKG Max used to determine if SCOI should be screened out (sediment max > segment 4 max)
(b) PLER as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened out (P
(c) Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs), used to determ
(d) ESLB, SSSL as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened

Segment 4-7 maximum in-channel sediment concentration

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RQQ-1017+00-IC113 Seg 6 0-0.5		RQQ-1023+00-IC44 Seg 6 0.5-1		RQQ-1023+50-IC43 Seg 6 0.5-1		RQQ-1023+50-IC43 Seg 6 0-0.5		RQQ-1030+00-IC47 Seg 6 0.5-1		RRR-1032+50-IC96 Seg 6 0.5-1	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Aluminum	7429-90-5	20000	Y	No PLER	No ESLB	2900	950		750		2100		1600		840		0.219	U
	Arsenic	7440-38-2	5.71	Y	150	9.79	150	2.7		9.3		7.2		1.3		1.4		0.005	U
	Barium	7440-39-3	46	Y	No PLER	9.02	80	7.7		17		20		6.3		4.4		0.051	U
	Beryllium	7440-41-7	0.26	Y	No PLER	0.553	0.35	0.041	U	0.041	U	0.095	J	0.041	U	0.041	U	0.041	U
	Boron	7440-42-8	17.53	Y	No PLER	15	22	11		15		15		10		8.8		0.124	U
	Cadmium	7440-43-9	0.16	Y	No PLER	0.99	1.4	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Calcium	7440-70-2	190000	Y	No PLER	No ESLB	190000	40000		18000		60000		63000		14000		0.247	U
	Chromium (total)	7440-47-3	9.5	Y	No PLER	43.4	160	4		3.3		10		4.2		4		0.049	U
	Cobalt	7440-48-4	4.42	Y	No PLER	50	12.72	1.7		1.8		2.6		2.1		1.4		0.038	U
	Copper	7440-50-8	9.7	Y	No PLER	31.6	190	1.2		2.9		23		2.3		1.8		0.043	U
	Iron	7439-89-6	38000	Y	No PLER	No ESLB	25000	4200		7600		6500		4800		2800		0.209	U
	Lead	7439-92-1	4.69	Y	No PLER	35.8	260	2		3.1		4.9		4.2		1.9		0.059	U
	Lithium	7439-93-2	19	Y	No PLER	28.8	7.2	1.9		1.2		8.9		1.8		1.4		0.038	U
	Magnesium	7439-95-4	210000	Y	No PLER	No ESLB	31000	10000		2800		9700		34000		6800		0.499	U
	Manganese	7439-96-5	1800	Y	No PLER	460	480	120		100		150		110		60		0.214	U
	Mercury	7439-97-6	0.02	Y	No PLER	0.174	0.72	0.0047	U	0.015	J	0.058		0.011	J	0.0047	U	0.011	J
	Nickel	7440-02-0	14.13	Y	No PLER	22.7	79	2.4		2.3		6		3.7		2.2		0.053	U
	Potassium	7440-09-7	2300	Y	No PLER	No ESLB	No SSSL	110		90		350		120		88		0.2	U
	Selenium	7782-49-2	0.45	Y	No PLER	0.025	0.68	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	Sodium	7440-23-5	340	Y	No PLER	No ESLB	74	150		160		200		180		91		1.1	U
	Strontium	7440-24-6	62.73	Y	No PLER	290.5	370	16		25		41		16		9		0.038	U
	Thallium	7440-28-0	0.095	N	No PLER	0.51	1.682	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	Titanium	7440-32-6	160	Y	No PLER	No ESLB	120	69		55		60		81		53		0.155	U
	Vanadium	7440-62-2	13	Y	No PLER	12	38.02	3.6		3.4		5.5		5.1		2.8		0.037	U
	Zinc	7440-66-6	37.11	Y	No PLER	121	73	15		23		140		16		11		0.03	U
	Hexachlorobenzene	118-74-1	0.004	N	No PLER	0.02	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Octachlorostyrene	29082-74-4	0.004	N	No PLER	2.6	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	No PLER	0.56	0.39	0.005	U	0.005	U	0.09		0.005	U	0.005	U	0.005	U
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	No PLER	0.129	2.8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	2,4-Dichlorophenol	120-83-2	0.03	N	No PLER	0.0817	10	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	2-Phenylphenol	90-43-7	0.01	N	92	0.058	92	0.012	U	0.03	J	0.012	U	0.012	U	0.012	U	0.032	U
	Acenaphthene	83-32-9	0.1	Y	No PLER	0.00671	0.62	0.013	U	0.41		0.013	U	0.013	U	0.013	U	0.013	U
	Benzo(a)pyrene	50-32-8	0.58	Y	No PLER	0.15	1.2	0.029	U	0.83		0.029	U	0.029	U	0.029	U	0.029	U
	Benzo(b)fluoranthene	205-99-2	0.26	Y	No PLER	10.4	1.4	0.039	U	1.4		0.039	U	0.039	U	0.039	U	0.039	U
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	N	No PLER	0.182	No SSSL	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	Butylbenzylphthalate	85-68-7	0.09	Y	No PLER	1.97	No SSSL	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Carbazole	86-74-8	0.005	N	No PLER	0.452	0.16	0.005	U	0.39		0.005	U	0.005	U	0.005	U	0.005	U
	Chrysene	218-01-9	0.03	N	No PLER	0.166	1.5	0.028	U	1.4		0.09	J	0.028	U	0.028	U	0.028	U
	DI-N-OCTYLPHTHALATE	117-84-0	2.6	Y	No PLER	40.6	No SSSL	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U
	Fluoranthene	206-44-0	0.59	Y	No PLER	0.423	4	0.35		4.4		0.41		0.32		0.27		0.029	U
	Fluorene	86-73-7	0.34	Y	No PLER	0.0774	0.54	0.032	U	0.66		0.032	U	0.032	U	0.032	U	0.032	U
	Hexachlorobutadiene	87-68-3	0.03	N	No PLER	0.0265	2.2	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Naphthalene	91-20-3	0.05	N	No PLER	0.176	0.4	0.047	U	0.1	J	0.047	U	0.047	U	0.047	U	0.047	U
	N-Nitrosodiphenylamine	86-30-6	0.03	N	No PLER	0.11	28	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Pentachlorobenzene	608-93-5	0.0035	N	No PLER	0.024	No SSSL	0.004	U	0.004	U	0.02		0.004	U	0.004	U	0.004	U
	Pentachlorophenol	87-86-5	0.03	N	No PLER	23	2.4	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.027	U

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RQQ-1017+00-IC113 Seg 6 0-0.5		RQQ-1023+00-IC44 Seg 6 0.5-1		RQQ-1023+50-IC43 Seg 6 0.5-1		RQQ-1023+50-IC43 Seg 6 0-0.5		RQQ-1030+00-IC47 Seg 6 0.5-1		RRR-1032+50-IC96 Seg 6 0.5-1	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
	Phenanthrene	85-01-8	0.58	Y	No PLER	0.204	2.5	0.05	U	4.4		0.05	U	0.05	U	0.05	U	0.05	U
	p-tert-Butylphenol	98-54-4	0.01	N	No PLER	No ESLB	4.3	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.042	U
	Pyrene	129-00-0	0.7	Y	No PLER	0.195	4.2	0.026	U	3.3		0.62		0.49		0.42		0.026	U
	Total Chlorophenols	TCLP_ERA_Dow	0.214	N	25.7	No ESLB	25.7	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U
	Total Chlororbenzenes	TCLB_ERA_Dow	No Bkg	NA	33.3	No ESLB	33.3	0.027	U	0.027	U	0.212		0.027	U	0.027	U	0.027	U
	Total PAHs	TPAH_ERA_Dow	2.51	Y	15.1	No ESLB	15.1	0.694		15.6205		1.41		1.128		1.008		0.052	U
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	N	No PLER	0.117	0.14	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	1,2,4-Trichlorobenzene	120-82-1	0.03	N	No PLER	5.06	1	0.027	U	0.027	U	0.027	U	0.027	U	0.027	U	0.027	U
	1,2-Dichlorobenzene	95-50-1	0.02	N	No PLER	0.294	11	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U
	1,3-Dichlorobenzene	541-73-1	0.03	N	No PLER	1.32	1.6	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	1,4-Dichlorobenzene	106-46-7	0.02	N	No PLER	0.318	13	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
ft	foot
J	estimated value
Max	maximum
NA	not applicable
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
U	not detected, based on 1/2 detection limit
VOC	volatile organic compound

(a) Sediment BKG Max used to determine if SCOI should be screened out (sediment max > segment 4 max)
(b) PLER as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened out (P
(c) Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs), used to determ
(d) ESLB, SSSL as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened

Segment 4-7 maximum in-channel sediment concentration

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RRR-1036+00-IC107 Seg 6 0.5-1		RRR-1041+50-IC26 Seg 6 0-0.5		RRR-1041+50-IC99 Seg 6 0.5-1		RRR-1042+00-IC88 Seg 6 0-0.5		RUU-1128+50-IC234 Seg 7 0-0.5		RUU-1133+50-IC188 Seg 7 0-0.5	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Aluminum	7429-90-5	20000	Y	No PLER	No ESLB	2900	880		710		820		1300		940		770	
	Arsenic	7440-38-2	5.71	Y	150	9.79	150	1.1		0.8		2.5		3.1		2.8		2.7	
	Barium	7440-39-3	46	Y	No PLER	9.02	80	6.5		4.9		8.3		11		12		10	
	Beryllium	7440-41-7	0.26	Y	No PLER	0.553	0.35	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U
	Boron	7440-42-8	17.53	Y	No PLER	15	22	12		8.5		12		9.8		12		11	
	Cadmium	7440-43-9	0.16	Y	No PLER	0.99	1.4	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Calcium	7440-70-2	190000	Y	No PLER	No ESLB	190000	39000		9000		42000		44000		8900		39000	
	Chromium (total)	7440-47-3	9.5	Y	No PLER	43.4	160	4		3		3.6		4.9		4.2		3.5	
	Cobalt	7440-48-4	4.42	Y	No PLER	50	12.72	1.4		1.1		1.6		1.8		1.6		1.5	
	Copper	7440-50-8	9.7	Y	No PLER	31.6	190	1.4		1.1		1.3		3.5		4.2		1.5	
	Iron	7439-89-6	38000	Y	No PLER	No ESLB	25000	2900		2400		3700		6200		3500		3500	
	Lead	7439-92-1	4.69	Y	No PLER	35.8	260	2.1		1.5		2.1		2.2		1.8		2	
	Lithium	7439-93-2	19	Y	No PLER	28.8	7.2	1.4		1.2		1.4		2.8		3.7		1.7	
	Magnesium	7439-95-4	210000	Y	No PLER	No ESLB	31000	7100		3600		9100		8000		2800		8200	
	Manganese	7439-96-5	1800	Y	No PLER	460	480	92		64		100		190		68		120	
	Mercury	7439-97-6	0.02	Y	No PLER	0.174	0.72	0.011	J	0.012	J	0.012	J	0.014	J	0.024	J	0.23	
	Nickel	7440-02-0	14.13	Y	No PLER	22.7	79	2		1.7		2.4		2.9		2.5		1.9	
	Potassium	7440-09-7	2300	Y	No PLER	No ESLB	No SSSL	110		89		120		120		130		110	
	Selenium	7782-49-2	0.45	Y	No PLER	0.025	0.68	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	Sodium	7440-23-5	340	Y	No PLER	No ESLB	74	140		64		140		100		100		140	
	Strontium	7440-24-6	62.73	Y	No PLER	290.5	370	17		7.8		18		19		15		18	
	Thallium	7440-28-0	0.095	N	No PLER	0.51	1.682	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	Titanium	7440-32-6	160	Y	No PLER	No ESLB	120	53		45		61		53		44		46	
	Vanadium	7440-62-2	13	Y	No PLER	12	38.02	3.6		2.6		3.4		4.6		3.4		2.9	
	Zinc	7440-66-6	37.11	Y	No PLER	121	73	12		8.9		15		17		15		13	
	Hexachlorobenzene	118-74-1	0.004	N	No PLER	0.02	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.01	J
	Octachlorostyrene	29082-74-4	0.004	N	No PLER	2.6	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	No PLER	0.56	0.39	0.005	U	0.005	U	0.06		0.005	U	0.1		0.06	
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	No PLER	0.129	2.8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	2,4-Dichlorophenol	120-83-2	0.03	N	No PLER	0.0817	10	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	2-Phenylphenol	90-43-7	0.01	N	92	0.058	92	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.03	J
	Acenaphthene	83-32-9	0.1	Y	No PLER	0.00671	0.62	0.013	U	0.013	U	0.013	U	0.013	U	0.05	J	0.04	J
	Benzo(a)pyrene	50-32-8	0.58	Y	No PLER	0.15	1.2	0.029	U	0.029	U	0.029	U	0.029	U	0.14	J	0.029	U
	Benzo(b)fluoranthene	205-99-2	0.26	Y	No PLER	10.4	1.4	0.039	U	0.039	U	0.039	U	0.039	U	0.09	J	0.039	U
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	N	No PLER	0.182	No SSSL	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	Butylbenzylphthalate	85-68-7	0.09	Y	No PLER	1.97	No SSSL	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Carbazole	86-74-8	0.005	N	No PLER	0.452	0.16	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Chrysene	218-01-9	0.03	N	No PLER	0.166	1.5	0.028	U	0.028	U	0.028	U	0.028	U	0.87		0.1	J
	DI-N-OCTYLPHTHALATE	117-84-0	2.6	Y	No PLER	40.6	No SSSL	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U
	Fluoranthene	206-44-0	0.59	Y	No PLER	0.423	4	0.029	U	0.28		0.34		0.28		1		0.47	
	Fluorene	86-73-7	0.34	Y	No PLER	0.0774	0.54	0.032	U	0.032	U	0.032	U	0.032	U	0.46		0.38	
	Hexachlorobutadiene	87-68-3	0.03	N	No PLER	0.0265	2.2	0.03	U	0.03	U	0.03	U	0.03	U	0.12	J	0.03	U
	Naphthalene	91-20-3	0.05	N	No PLER	0.176	0.4	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	N-Nitrosodiphenylamine	86-30-6	0.03	N	No PLER	0.11	28	0.028	U	0.028	U	0.028	U	0.028	U	0.32		0.028	U
	Pentachlorobenzene	608-93-5	0.0035	N	No PLER	0.024	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.03		0.004	U
	Pentachlorophenol	87-86-5	0.03	N	No PLER	23	2.4	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RRR-1036+00-IC107 Seg 6 0.5-1		RRR-1041+50-IC26 Seg 6 0-0.5		RRR-1041+50-IC99 Seg 6 0.5-1		RRR-1042+00-IC88 Seg 6 0-0.5		RUU-1128+50-IC234 Seg 7 0-0.5		RUU-1133+50-IC188 Seg 7 0-0.5	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
	Phenanthrene	85-01-8	0.58	Y	No PLER	0.204	2.5	0.05	U	0.05	U	0.05	U	0.05	U	0.66		0.27	J
	p-tert-Butylphenol	98-54-4	0.01	N	No PLER	No ESLB	4.3	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
	Pyrene	129-00-0	0.7	Y	No PLER	0.195	4.2	0.026	U	0.43		0.51		0.42		1.2		0.59	
	Total Chlorophenols	TCLP_ERA_Dow	0.214	N	25.7	No ESLB	25.7	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U
	Total Chlororbenzenes	TCLB_ERA_Dow	No Bkg	NA	33.3	No ESLB	33.3	0.027	U	0.027	U	0.1655		0.027	U	1.325		0.7185	
	Total PAHs	TPAH_ERA_Dow	2.51	Y	15.1	No ESLB	15.1	0.052	U	1.028		1.168		1.018		4.5475		2.046	
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	N	No PLER	0.117	0.14	0.004	U	0.004	U	0.004	U	0.004	U	0.01	J	0.004	U
	1,2,4-Trichlorobenzene	120-82-1	0.03	N	No PLER	5.06	1	0.027	U	0.027	U	0.027	U	0.027	U	0.14	J	0.09	J
	1,2-Dichlorobenzene	95-50-1	0.02	N	No PLER	0.294	11	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U
	1,3-Dichlorobenzene	541-73-1	0.03	N	No PLER	1.32	1.6	0.03	U	0.03	U	0.03	U	0.03	U	0.14		0.1	
	1,4-Dichlorobenzene	106-46-7	0.02	N	No PLER	0.318	13	0.021	U	0.021	U	0.021	U	0.021	U	0.88		0.43	

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
ft	foot
J	estimated value
Max	maximum
NA	not applicable
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
U	not detected, based on 1/2 detection limit
VOC	volatile organic compound

(a) Sediment BKG Max used to determine if SCOI should be screened out (sediment max > segment 4 max)
(b) PLER as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened out (P
(c) Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs), used to determ
(d) ESLB, SSSL as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened

Segment 4-7 maximum in-channel sediment concentration

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RUU-1141+50-IC259 Seg 7 0-0.5		RUU-1141+50-IC317 Seg 7 0-0.5		RVV-1147+50-IC267 Seg 7 0.5-1		RVV-1157+00-IC276 Seg 7 0-0.5		RVV-1167+50-IC33 Seg 7 0-0.5		RWW-1213+50-IC109 Seg 7 0.5-1	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Aluminum	7429-90-5	20000	Y	No PLER	No ESLB	2900	790		12000		960		1200		2000		1200	
	Arsenic	7440-38-2	5.71	Y	150	9.79	150	3.3		4.7		1.5		4.7		1.4		1.4	
	Barium	7440-39-3	46	Y	No PLER	9.02	80	13		45		5.4		13		16		6.4	
	Beryllium	7440-41-7	0.26	Y	No PLER	0.553	0.35	0.041	U	0.25	J	0.041	U	0.041	U	0.041	U	0.041	U
	Boron	7440-42-8	17.53	Y	No PLER	15	22	12		18		11		13		15		11	
	Cadmium	7440-43-9	0.16	Y	No PLER	0.99	1.4	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Calcium	7440-70-2	190000	Y	No PLER	No ESLB	190000	14000		80000		11000		50000		17000		14000	
	Chromium (total)	7440-47-3	9.5	Y	No PLER	43.4	160	3.7		13		4.3		5.3		5.8		6	
	Cobalt	7440-48-4	4.42	Y	No PLER	50	12.72	1.7		5.4		1.5		2.1		2.1		1.8	
	Copper	7440-50-8	9.7	Y	No PLER	31.6	190	1.9		6.4		2.8		1.9		5.5		1.8	
	Iron	7439-89-6	38000	Y	No PLER	No ESLB	25000	4000		15000		2600		6000		4600		3700	
	Lead	7439-92-1	4.69	Y	No PLER	35.8	260	2.1		14		1.9		2.6		4.3		2.2	
	Lithium	7439-93-2	19	Y	No PLER	28.8	7.2	1.7		5.4		3.6		2.2		3.9		1.5	
	Magnesium	7439-95-4	210000	Y	No PLER	No ESLB	31000	5300		13000		4600		8200		6200		6100	
	Manganese	7439-96-5	1800	Y	No PLER	460	480	140		450		68		280		180		110	
	Mercury	7439-97-6	0.02	Y	No PLER	0.174	0.72	0.012	J	0.017	J	0.31		0.012	J	0.016	J	0.013	J
	Nickel	7440-02-0	14.13	Y	No PLER	22.7	79	2.2		12		2.3		3		3.8		2.7	
	Potassium	7440-09-7	2300	Y	No PLER	No ESLB	No SSSL	110		1000		110		150		330		110	
	Selenium	7782-49-2	0.45	Y	No PLER	0.025	0.68	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	Sodium	7440-23-5	340	Y	No PLER	No ESLB	74	110		260		95		220		160		97	
	Strontium	7440-24-6	62.73	Y	No PLER	290.5	370	18		46		11		23		20		10	
	Thallium	7440-28-0	0.095	N	No PLER	0.51	1.682	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	Titanium	7440-32-6	160	Y	No PLER	No ESLB	120	50		130		69		49		66		70	
	Vanadium	7440-62-2	13	Y	No PLER	12	38.02	2.8		13		3		4.1		5.3		3.7	
	Zinc	7440-66-6	37.11	Y	No PLER	121	73	19		30		17		21		21		16	
	Hexachlorobenzene	118-74-1	0.004	N	No PLER	0.02	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Octachlorostyrene	29082-74-4	0.004	N	No PLER	2.6	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	No PLER	0.56	0.39	0.07		0.005	U	0.005	U	0.06		0.005	U	0.06	
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	No PLER	0.129	2.8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	2,4-Dichlorophenol	120-83-2	0.03	N	No PLER	0.0817	10	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	2-Phenylphenol	90-43-7	0.01	N	92	0.058	92	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	Acenaphthene	83-32-9	0.1	Y	No PLER	0.00671	0.62	0.08	J	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
	Benzo(a)pyrene	50-32-8	0.58	Y	No PLER	0.15	1.2	0.09	J	0.14	J	0.13	J	0.029	U	0.029	U	0.029	U
	Benzo(b)fluoranthene	205-99-2	0.26	Y	No PLER	10.4	1.4	0.23	J	0.039	U	0.14	J	0.039	U	0.039	U	0.039	U
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	N	No PLER	0.182	No SSSL	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	Butylbenzylphthalate	85-68-7	0.09	Y	No PLER	1.97	No SSSL	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Carbazole	86-74-8	0.005	N	No PLER	0.452	0.16	0.06		0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Chrysene	218-01-9	0.03	N	No PLER	0.166	1.5	0.36		0.028	U	0.18	J	0.028	U	0.07	J	0.028	U
	DI-N-OCTYLPHTHALATE	117-84-0	2.6	Y	No PLER	40.6	No SSSL	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U
	Fluoranthene	206-44-0	0.59	Y	No PLER	0.423	4	1.1		0.029	U	0.57		0.34		0.47		0.31	
	Fluorene	86-73-7	0.34	Y	No PLER	0.0774	0.54	0.39		0.032	U	0.32		0.032	U	0.032	U	0.032	U
	Hexachlorobutadiene	87-68-3	0.03	N	No PLER	0.0265	2.2	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Naphthalene	91-20-3	0.05	N	No PLER	0.176	0.4	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	N-Nitrosodiphenylamine	86-30-6	0.03	N	No PLER	0.11	28	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Pentachlorobenzene	608-93-5	0.0035	N	No PLER	0.024	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Pentachlorophenol	87-86-5	0.03	N	No PLER	23	2.4	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RUU-1141+50-IC259 Seg 7 0-0.5		RUU-1141+50-IC317 Seg 7 0-0.5		RVV-1147+50-IC267 Seg 7 0.5-1		RVV-1157+00-IC276 Seg 7 0-0.5		RVV-1167+50-IC33 Seg 7 0-0.5		RWW-1213+50-IC109 Seg 7 0.5-1	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
	Phenanthrene	85-01-8	0.58	Y	No PLER	0.204	2.5	1.1		0.05	U	0.19	J	0.05	U	0.05	U	0.05	U
	p-tert-Butylphenol	98-54-4	0.01	N	No PLER	No ESLB	4.3	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
	Pyrene	129-00-0	0.7	Y	No PLER	0.195	4.2	1.1		0.026	U	0.66		0.51		0.63		0.47	
	Total Chlorophenols	TCLP_ERA_Dow	0.214	N	25.7	No ESLB	25.7	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U
	Total Chlororbenzenes	TCLB_ERA_Dow	No Bkg	NA	33.3	No ESLB	33.3	0.1755		0.027	U	0.027	U	0.1655		0.027	U	0.1655	
	Total PAHs	TPAH_ERA_Dow	2.51	Y	15.1	No ESLB	15.1	4.3875		0.4845	J	2.2305		1.168		1.46		1.098	
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	N	No PLER	0.117	0.14	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	1,2,4-Trichlorobenzene	120-82-1	0.03	N	No PLER	5.06	1	0.027	U	0.027	U	0.027	U	0.027	U	0.027	U	0.027	U
	1,2-Dichlorobenzene	95-50-1	0.02	N	No PLER	0.294	11	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U
	1,3-Dichlorobenzene	541-73-1	0.03	N	No PLER	1.32	1.6	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	1,4-Dichlorobenzene	106-46-7	0.02	N	No PLER	0.318	13	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U	0.021	U

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
ft	foot
J	estimated value
Max	maximum
NA	not applicable
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
U	not detected, based on 1/2 detection limit
VOC	volatile organic compound

(a) Sediment BKG Max used to determine if SCOI should be screened out (sediment max > segment 4 max)
(b) PLER as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened out (P
(c) Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs), used to determ
(d) ESLB, SSSL as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened

Segment 4-7 maximum in-channel sediment concentration

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RXX-1220+50-IC334 Seg 7 0-0.5		RXX-1242+00-IC260 Seg 7 0-0.5		RXX-1252+00-IC251 Seg 7 0-0.5		RYY-1267+00-IC1089 Seg 7 0-0.5		RYY-1267+00-IC1198 Seg 7 0-0.5	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Aluminum	7429-90-5	20000	Y	No PLER	No ESLB	2900	1200		870		830		2900		1400	
	Arsenic	7440-38-2	5.71	Y	150	9.79	150	2.8		2.2		1.6		2.2		7.3	
	Barium	7440-39-3	46	Y	No PLER	9.02	80	9.5		7.6		6.5		27		24	
	Beryllium	7440-41-7	0.26	Y	No PLER	0.553	0.35	0.041	U	0.041	U	0.041	U	0.13	J	0.089	J
	Boron	7440-42-8	17.53	Y	No PLER	15	22	13		8.8		11		14		15	
	Cadmium	7440-43-9	0.16	Y	No PLER	0.99	1.4	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Calcium	7440-70-2	190000	Y	No PLER	No ESLB	190000	10000		17000		2300		16000		16000	
	Chromium (total)	7440-47-3	9.5	Y	No PLER	43.4	160	4.6		4.4		3.9		11		6.8	
	Cobalt	7440-48-4	4.42	Y	No PLER	50	12.72	1.8		1.7		1.5		3		2.6	
	Copper	7440-50-8	9.7	Y	No PLER	31.6	190	6.6		1.2		1.2		17		6.5	
	Iron	7439-89-6	38000	Y	No PLER	No ESLB	25000	4400		3600		3100		6300		6800	
	Lead	7439-92-1	4.69	Y	No PLER	35.8	260	2.4		2		1.8		6		2.8	
	Lithium	7439-93-2	19	Y	No PLER	28.8	7.2	3.4		1.8		1.4		10		4.2	
	Magnesium	7439-95-4	210000	Y	No PLER	No ESLB	31000	4800		5500		5800		6300		5000	
	Manganese	7439-96-5	1800	Y	No PLER	460	480	100		93		87		150		180	
	Mercury	7439-97-6	0.02	Y	No PLER	0.174	0.72	0.034		0.06		0.055		0.066		0.038	
	Nickel	7440-02-0	14.13	Y	No PLER	22.7	79	2.6		2.3		1.9		7.4		4.6	
	Potassium	7440-09-7	2300	Y	No PLER	No ESLB	No SSSL	180		110		100		430		260	
	Selenium	7782-49-2	0.45	Y	No PLER	0.025	0.68	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	Sodium	7440-23-5	340	Y	No PLER	No ESLB	74	120		110		120		130		140	
	Strontium	7440-24-6	62.73	Y	No PLER	290.5	370	12		13		15		25		25	
	Thallium	7440-28-0	0.095	N	No PLER	0.51	1.682	0.098	U	0.098	U	0.098	U	0.098	U	0.098	U
	Titanium	7440-32-6	160	Y	No PLER	No ESLB	120	55		42		40		67		43	
	Vanadium	7440-62-2	13	Y	No PLER	12	38.02	4		2.6		2.6		7		4.4	
	Zinc	7440-66-6	37.11	Y	No PLER	121	73	21		16		14		74		33	
	Hexachlorobenzene	118-74-1	0.004	N	No PLER	0.02	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Octachlorostyrene	29082-74-4	0.004	N	No PLER	2.6	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	No PLER	0.56	0.39	0.005	U	0.005	U	0.005	U	0.005	U	0.08	
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	No PLER	0.129	2.8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	2,4-Dichlorophenol	120-83-2	0.03	N	No PLER	0.0817	10	0.034	U	0.034	U	0.034	U	0.034	U	0.07	J
	2-Phenylphenol	90-43-7	0.01	N	92	0.058	92	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	Acenaphthene	83-32-9	0.1	Y	No PLER	0.00671	0.62	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
	Benzo(a)pyrene	50-32-8	0.58	Y	No PLER	0.15	1.2	0.029	U	0.029	U	0.029	U	0.029	U	0.11	J
	Benzo(b)fluoranthene	205-99-2	0.26	Y	No PLER	10.4	1.4	0.039	U	0.039	U	0.039	U	0.039	U	0.039	U
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	N	No PLER	0.182	No SSSL	0.047	U	0.047	U	0.047	U	0.16	J	0.13	J
	Butylbenzylphthalate	85-68-7	0.09	Y	No PLER	1.97	No SSSL	0.045	U	0.045	U	0.045	U	0.045	U	0.045	U
	Carbazole	86-74-8	0.005	N	No PLER	0.452	0.16	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Chrysene	218-01-9	0.03	N	No PLER	0.166	1.5	0.028	U	0.028	U	0.028	U	0.06	J	0.12	J
	DI-N-OCTYLPHTHALATE	117-84-0	2.6	Y	No PLER	40.6	No SSSL	0.046	U	0.046	U	0.046	U	0.046	U	0.046	U
	Fluoranthene	206-44-0	0.59	Y	No PLER	0.423	4	0.4		0.31		0.31		0.48		0.56	
	Fluorene	86-73-7	0.34	Y	No PLER	0.0774	0.54	0.032	U	0.032	U	0.032	U	0.032	U	0.4	
	Hexachlorobutadiene	87-68-3	0.03	N	No PLER	0.0265	2.2	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Naphthalene	91-20-3	0.05	N	No PLER	0.176	0.4	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	N-Nitrosodiphenylamine	86-30-6	0.03	N	No PLER	0.11	28	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Pentachlorobenzene	608-93-5	0.0035	N	No PLER	0.024	No SSSL	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Pentachlorophenol	87-86-5	0.03	N	No PLER	23	2.4	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RXX-1220+50-IC334 Seg 7 0-0.5		RXX-1242+00-IC260 Seg 7 0-0.5		RXX-1252+00-IC251 Seg 7 0-0.5		RYY-1267+00-IC1089 Seg 7 0-0.5		RYY-1267+00-IC1198 Seg 7 0-0.5	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
	Phenanthrene	85-01-8	0.58	Y	No PLER	0.204	2.5	0.05	U	0.05	U	0.05	U	0.05	U	0.17	J
	p-tert-Butylphenol	98-54-4	0.01	N	No PLER	No ESLB	4.3	0.013	U	0.013	U	0.013	U	0.013	U	0.013	U
	Pyrene	129-00-0	0.7	Y	No PLER	0.195	4.2	0.57		0.026	U	0.026	U	0.62		0.72	
	Total Chlorophenols	TCLP_ERA_Dow	0.214	N	25.7	No ESLB	25.7	0.049	U	0.049	U	0.049	U	0.049	U	0.2325	J
	Total Chlororbenzenes	TCLB_ERA_Dow	No Bkg	NA	33.3	No ESLB	33.3	0.027	U	0.027	U	0.027	U	0.027	U	1.3385	
	Total PAHs	TPAH_ERA_Dow	2.51	Y	15.1	No ESLB	15.1	1.288		0.654		0.654		1.45		2.2605	
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	N	No PLER	0.117	0.14	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	1,2,4-Trichlorobenzene	120-82-1	0.03	N	No PLER	5.06	1	0.027	U	0.027	U	0.027	U	0.027	U	0.027	U
	1,2-Dichlorobenzene	95-50-1	0.02	N	No PLER	0.294	11	0.021	U	0.021	U	0.021	U	0.021	U	0.76	
	1,3-Dichlorobenzene	541-73-1	0.03	N	No PLER	1.32	1.6	0.03	U	0.03	U	0.03	U	0.03	U	0.05	J
	1,4-Dichlorobenzene	106-46-7	0.02	N	No PLER	0.318	13	0.021	U	0.021	U	0.021	U	0.021	U	0.41	

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
ft	foot
J	estimated value
Max	maximum
NA	not applicable
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
U	not detected, based on 1/2 detection limit
VOC	volatile organic compound

(a) Sediment BKG Max used to determine if SCOI should be screened out (sediment max > segment 4 max)
(b) PLER as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened out (P
(c) Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs), used to determ
(d) ESLB, SSSL as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened

Segment 4-7 maximum in-channel sediment concentration

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria					RYY-1271+00-IC1090 Seg 7 0.5-1		RYY-1276+00-IC174 Seg 7 0.5-1		RYY-1276+00-IC318 Seg 7 0-0.5	
			Sediment BKG (a)										
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag
Metal	Aluminum	7429-90-5	20000	Y	No PLER	No ESLB	2900	3500		790		1200	
	Arsenic	7440-38-2	5.71	Y	150	9.79	150	4		2.4		2.6	
	Barium	7440-39-3	46	Y	No PLER	9.02	80	38		6.5		9.6	
	Beryllium	7440-41-7	0.26	Y	No PLER	0.553	0.35	0.15	J	0.041	U	0.041	U
	Boron	7440-42-8	17.53	Y	No PLER	15	22	12		11		9	
	Cadmium	7440-43-9	0.16	Y	No PLER	0.99	1.4	0.045	U	0.045	U	0.045	U
	Calcium	7440-70-2	190000	Y	No PLER	No ESLB	190000	16000		11000		40000	
	Chromium (total)	7440-47-3	9.5	Y	No PLER	43.4	160	17		3.7		3.8	
	Cobalt	7440-48-4	4.42	Y	No PLER	50	12.72	3.5		1.4		1.5	
	Copper	7440-50-8	9.7	Y	No PLER	31.6	190	32		1.4		1.4	
	Iron	7439-89-6	38000	Y	No PLER	No ESLB	25000	7100		3200		4800	
	Lead	7439-92-1	4.69	Y	No PLER	35.8	260	7.1		1.8		1.7	
	Lithium	7439-93-2	19	Y	No PLER	28.8	7.2	22		1.4		2.4	
	Magnesium	7439-95-4	210000	Y	No PLER	No ESLB	31000	5900		4500		20000	
	Manganese	7439-96-5	1800	Y	No PLER	460	480	170		76		100	
	Mercury	7439-97-6	0.02	Y	No PLER	0.174	0.72	0.09		0.017	J	0.013	J
	Nickel	7440-02-0	14.13	Y	No PLER	22.7	79	11		1.9		2.4	
	Potassium	7440-09-7	2300	Y	No PLER	No ESLB	No SSSL	520		75		100	
	Selenium	7782-49-2	0.45	Y	No PLER	0.025	0.68	0.012	U	0.012	U	0.012	U
	Sodium	7440-23-5	340	Y	No PLER	No ESLB	74	120		84		100	
	Strontium	7440-24-6	62.73	Y	No PLER	290.5	370	28		9.1		15	
	Thallium	7440-28-0	0.095	N	No PLER	0.51	1.682	0.098	U	0.098	U	0.098	U
	Titanium	7440-32-6	160	Y	No PLER	No ESLB	120	66		40		39	
	Vanadium	7440-62-2	13	Y	No PLER	12	38.02	7.9		2.5		3.1	
	Zinc	7440-66-6	37.11	Y	No PLER	121	73	150		13		16	
	Hexachlorobenzene	118-74-1	0.004	N	No PLER	0.02	No SSSL	0.004	U	0.004	U	0.004	U
	Octachlorostyrene	29082-74-4	0.004	N	No PLER	2.6	No SSSL	0.004	U	0.004	U	0.004	U
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	No PLER	0.56	0.39	0.14		0.06		0.005	U
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	No PLER	0.129	2.8	0.004	U	0.004	U	0.004	U
	2,4-Dichlorophenol	120-83-2	0.03	N	No PLER	0.0817	10	0.034	U	0.034	U	0.034	U
	2-Phenylphenol	90-43-7	0.01	N	92	0.058	92	0.012	U	0.012	U	0.012	U
	Acenaphthene	83-32-9	0.1	Y	No PLER	0.00671	0.62	0.013	U	0.013	U	0.013	U
	Benzo(a)pyrene	50-32-8	0.58	Y	No PLER	0.15	1.2	0.029	U	0.029	U	0.029	U
	Benzo(b)fluoranthene	205-99-2	0.26	Y	No PLER	10.4	1.4	0.039	U	0.039	U	0.039	U
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	N	No PLER	0.182	No SSSL	0.13	J	0.047	U	0.047	U
	Butylbenzylphthalate	85-68-7	0.09	Y	No PLER	1.97	No SSSL	0.39		0.045	U	0.045	U
	Carbazole	86-74-8	0.005	N	No PLER	0.452	0.16	0.005	U	0.005	U	0.005	U
	Chrysene	218-01-9	0.03	N	No PLER	0.166	1.5	0.07	J	0.028	U	0.028	U
	DI-N-OCTYLPHTHALATE	117-84-0	2.6	Y	No PLER	40.6	No SSSL	0.046	U	0.046	U	0.046	U
	Fluoranthene	206-44-0	0.59	Y	No PLER	0.423	4	0.47		0.029	U	0.28	
	Fluorene	86-73-7	0.34	Y	No PLER	0.0774	0.54	0.032	U	0.032	U	0.032	U
	Hexachlorobutadiene	87-68-3	0.03	N	No PLER	0.0265	2.2	0.03	U	0.03	U	0.03	U
	Naphthalene	91-20-3	0.05	N	No PLER	0.176	0.4	0.047	U	0.047	U	0.047	U
	N-Nitrosodiphenylamine	86-30-6	0.03	N	No PLER	0.11	28	0.028	U	0.028	U	0.028	U
	Pentachlorobenzene	608-93-5	0.0035	N	No PLER	0.024	No SSSL	0.004	U	0.004	U	0.004	U
	Pentachlorophenol	87-86-5	0.03	N	No PLER	23	2.4	0.0085	U	0.0085	U	0.0085	U

Table 5A: In-Channel Sediment Screening: Detected SCOI Data Compared to Screening Criteria (upper 1 foot)
Segment 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria Sediment BKG (a)					RYY-1271+00-IC1090 Seg 7 0.5-1		RYY-1276+00-IC174 Seg 7 0.5-1		RYY-1276+00-IC318 Seg 7 0-0.5	
			Max	Detected	PLER (b)	ESLB (d)	SSSL (d)	Result	Flag	Result	Flag	Result	Flag
	Phenanthrene	85-01-8	0.58	Y	No PLER	0.204	2.5	0.05	U	0.05	U	0.05	U
	p-tert-Butylphenol	98-54-4	0.01	N	No PLER	No ESLB	4.3	0.013	U	0.013	U	0.013	U
	Pyrene	129-00-0	0.7	Y	No PLER	0.195	4.2	0.63		0.026	U	0.026	U
	Total Chlorophenols	TCLP_ERA_Dow	0.214	N	25.7	No ESLB	25.7	0.049	U	0.049	U	0.049	U
	Total Chlororbenzenes	TCLB_ERA_Dow	No Bkg	NA	33.3	No ESLB	33.3	0.3245		0.1655		0.027	U
	Total PAHs	TPAH_ERA_Dow	2.51	Y	15.1	No ESLB	15.1	1.46		0.052	U	0.624	
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	N	No PLER	0.117	0.14	0.004	U	0.004	U	0.004	U
	1,2,4-Trichlorobenzene	120-82-1	0.03	N	No PLER	5.06	1	0.027	U	0.027	U	0.027	U
	1,2-Dichlorobenzene	95-50-1	0.02	N	No PLER	0.294	11	0.021	U	0.021	U	0.021	U
	1,3-Dichlorobenzene	541-73-1	0.03	N	No PLER	1.32	1.6	0.03	U	0.03	U	0.03	U
	1,4-Dichlorobenzene	106-46-7	0.02	N	No PLER	0.318	13	0.1		0.021	U	0.021	U

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
ft	foot
J	estimated value
Max	maximum
NA	not applicable
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
U	not detected, based on 1/2 detection limit
VOC	volatile organic compound

(a) Sediment BKG Max used to determine if SCOI should be screened out (sediment max > segment 4 max)
(b) PLER as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened out (P
(c) Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs), used to determ
(d) ESLB, SSSL as defined in the Segment 1 Response Proposal, used to determine if SCOI should be screened

Segment 4-7 maximum in-channel sediment concentration

Table 5B: In-Channel Sediment Screening: Detected SCOIs - Screening Summary by Location (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RBB-610+00-IC175 Seg 4 0-0.5	RBB-610+00-IC225 Seg 4 0.5-1	RBB-614+00-IC176 Seg 4 0-0.5	RCC-648+00-IC174 Seg 4 0-0.5	RDD-668+00-IC58 Seg 4 0.5-1	RDD-670+00-IC205 Seg 4 0-0.5	RDD-673+50-IC251 Seg 4 0.5-1	RFF-707+00-IC157 Seg 4 0.5-1	RFF-707+00-IC94 Seg 4 0.5-1	RHH-768+00-IC26 Seg 4 0-0.5	RII-782+00-IC132 Seg 4 0-0.5	RII-783+00-IC135 Seg 4 0-0.5	RII-787+00-IC140 Seg 4 0.5-1
Metal	Aluminum	7429-90-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Arsenic	7440-38-2	<BKG	<PLER	<BKG	<PLER	<PLER	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<PLER	<BKG
	Barium	7440-39-3	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Beryllium	7440-41-7	--	X	--	<BKG	--	--	--	--	<BKG	--	--	<BKG	<BKG
	Boron	7440-42-8	<BKG	X	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Cadmium	7440-43-9	--	X	--	<BKG	<BKG	<BKG	--	--	--	--	<BKG	--	--
	Calcium	7440-70-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Chromium (total)	7440-47-3	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG
	Cobalt	7440-48-4	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Copper	7440-50-8	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Iron	7439-89-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Lead	7439-92-1	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<ESLB & SSSL
	Lithium	7439-93-2	<BKG	X	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Magnesium	7439-95-4	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Manganese	7439-96-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Mercury	7439-97-6	<ESLB & SSSL	<ESLB & SSSL	--	<BKG	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<BKG	--	<BKG	<BKG	<ESLB & SSSL
	Nickel	7440-02-0	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Potassium	7440-09-7	<BKG	X	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Selenium	7782-49-2	--	X	--	--	--	--	--	--	--	--	--	--	--
	Sodium	7440-23-5	<BKG	X	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Strontium	7440-24-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Thallium	7440-28-0	--	X	--	--	--	--	--	--	--	--	--	--	--
	Titanium	7440-32-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Vanadium	7440-62-2	<BKG	X	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Zinc	7440-66-6	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Hexachlorobenzene	118-74-1	<ESLB & SSSL	--	--	--	--	--	--	--	--	--	<ESLB & SSSL	--	--
	Octachlorostyrene	29082-74-4	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	<ESLB & SSSL	--	<ESLB & SSSL	--	--	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	--	<ESLB & SSSL	<ESLB & SSSL	--
	2,3,4,6-Tetrachlorophenol	58-90-2	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	--	--	--	--	--	--
	2,4-Dichlorophenol	120-83-2	--	--	--	--	--	--	--	--	--	--	--	--	--
	2-Phenylphenol	90-43-7	--	--	--	--	--	<PLER	--	--	--	--	--	--	--
	Acenaphthene	83-32-9	--	--	--	--	--	<BKG	--	--	--	--	--	--	--
	Benzo(a)pyrene	50-32-8	--	--	--	--	--	<BKG	<BKG	--	--	--	--	--	--
	Benzo(b)fluoranthene	205-99-2	--	--	--	--	--	<ESLB & SSSL	<ESLB & SSSL	--	--	--	--	--	--
	bis(2-Ethylhexyl)phthalate	117-81-7	--	--	--	--	--	X	--	--	--	--	--	--	<ESLB & SSSL
	Butylbenzylphthalate	85-68-7	--	--	--	--	--	--	--	--	--	--	--	--	--
	Carbazole	86-74-8	--	--	--	--	--	<ESLB & SSSL	--	--	--	--	--	--	--
	Chrysene	218-01-9	<ESLB & SSSL	--	--	--	--	<ESLB & SSSL	<ESLB & SSSL	--	--	--	--	--	<ESLB & SSSL
	DI-N-OCTYLPHTHALATE	117-84-0	--	--	--	--	<BKG	--	--	--	--	--	--	--	--
	Fluoranthene	206-44-0	<BKG	<BKG	<BKG	--	--	<ESLB & SSSL	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Fluorene	86-73-7	<BKG	--	--	--	--	<ESLB & SSSL	<BKG	--	--	--	<BKG	<BKG	--
	Hexachlorobutadiene	87-68-3	--	--	--	--	--	--	--	--	--	--	--	--	--
	Naphthalene	91-20-3	--	--	--	--	--	--	--	--	--	--	--	--	--
	N-Nitrosodiphenylamine	86-30-6	--	--	--	--	--	--	--	--	--	--	--	--	--
	Pentachlorobenzene	608-93-5	--	--	--	--	--	--	--	--	--	--	<ESLB & SSSL	--	--
	Pentachlorophenol	87-86-5	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	--	--	--	--	--	--
	Phenanthrene	85-01-8	<BKG	--	--	--	--	<ESLB & SSSL	<BKG	--	--	--	--	--	--
	p-tert-Butylphenol	98-54-4	<ESLB & SSSL	--	--	--	--	--	--	--	--	--	--	--	--
	Pyrene	129-00-0	<BKG	<BKG	<BKG	<BKG	--	<ESLB & SSSL	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL
	Total Chlorophenols	TCLP_ERA_Dow	--	--	--	<PLER	--	<PLER	--	--	--	--	--	--	--
	Total Chlororbenzenes	TCLB_ERA_Dow	<PLER	--	<PLER	--	--	<PLER	<PLER	--	<PLER	--	<PLER	<PLER	--
	Total PAHs	TPAH_ERA_Dow	<BKG	<BKG	<BKG	<BKG	--	<PLER	<PLER	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
VOC	1,2,3-Trichlorobenzene	87-61-6	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	120-82-1	--	--	--	--	--	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	--
	1,2-Dichlorobenzene	95-50-1	<ESLB & SSSL	--	--	--	--	<ESLB & SSSL	--	--	--	--	--	<ESLB & SSSL	--
	1,3-Dichlorobenzene	541-73-1	--	--	--	--	--	--	--	--	<ESLB & SSSL	--	--	<ESLB & SSSL	--
	1,4-Dichlorobenzene	106-46-7	<ESLB & SSSL	--	--	--	--	<ESLB & SSSL	--	--	<ESLB & SSSL	--	--	<ESLB & SSSL	--

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
NA	not analyzed
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SSSL	site-specific screening level
SCOI	secondary constituent of interest
SVOC	semi-volatile organic compound
VOC	volatile organic compound
X	Denotes SCOI and sampling location that did not screen out based on the comparison to criteria in screening process
-	Denotes SCOI was either not analyzed or not detected at locations (see Table 4 and Attachment 4)

Table 5B: In-Channel Sediment Screening: Detected SCOIs - Screening Summary by Location (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RII-801+00-IC147 Seg 5 0-0.5	RII-801+00-IC92 Seg 5 0-0.5	RII-802+00-IC41 Seg 5 0-0.5	RJJ-852+50-IC171 Seg 5 0.5-1	RLL-892+00-IC19 Seg 5 0-0.5	RMM-909+50-IC118 Seg 5 0-0.5	RMM-913+50-IC104 Seg 5 0-0.5	RMM-918+50-IC91 Seg 5 0-0.5	RPP-1000+00-IC178 Seg 6 0.5-1	RPP-989+50-IC284 Seg 6 0-0.5	RQQ-1017+00-IC113 Seg 6 0-0.5	RQQ-1023+00-IC44 Seg 6 0.5-1	RQQ-1023+50-IC43 Seg 6 0.5-1
Metal	Aluminum	7429-90-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Arsenic	7440-38-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<PLER	<BKG	<BKG	<PLER	<PLER
	Barium	7440-39-3	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Beryllium	7440-41-7	--	--	--	--	<BKG	--	--	--	<BKG	--	--	--	<BKG
	Boron	7440-42-8	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Cadmium	7440-43-9	--	--	--	--	--	--	--	--	--	--	--	--	--
	Calcium	7440-70-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Chromium (total)	7440-47-3	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<ESLB & SSSL
	Cobalt	7440-48-4	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Copper	7440-50-8	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<ESLB & SSSL
	Iron	7439-89-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Lead	7439-92-1	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL
	Lithium	7439-93-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Magnesium	7439-95-4	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Manganese	7439-96-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Mercury	7439-97-6	<BKG	<BKG	<ESLB & SSSL	<BKG	--	--	<BKG	--	<ESLB & SSSL	<BKG	--	<BKG	<ESLB & SSSL
	Nickel	7440-02-0	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Potassium	7440-09-7	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Selenium	7782-49-2	--	--	--	--	--	--	--	--	--	--	--	--	--
	Sodium	7440-23-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Strontium	7440-24-6	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Thallium	7440-28-0	--	--	--	--	--	--	--	--	--	--	--	--	--
	Titanium	7440-32-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Vanadium	7440-62-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Zinc	7440-66-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	X
	Hexachlorobenzene	118-74-1	<ESLB & SSSL	--	X	--	--	--	--	--	--	--	--	--	--
	Octachlorostyrene	29082-74-4	--	--	<ESLB & SSSL	--	--	--	--	--	--	--	--	--	--
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	--	<ESLB & SSSL	<ESLB & SSSL	--	--	<ESLB & SSSL	<ESLB & SSSL	--	--	<ESLB & SSSL	--	--	<ESLB & SSSL
	2,3,4,6-Tetrachlorophenol	58-90-2	--	--	--	--	--	--	--	--	--	--	--	--	--
	2,4-Dichlorophenol	120-83-2	--	--	--	--	--	--	--	--	--	--	--	--	--
	2-Phenylphenol	90-43-7	--	--	--	--	--	--	--	--	<PLER	--	--	<PLER	--
	Acenaphthene	83-32-9	--	--	--	--	--	--	--	--	--	--	--	<ESLB & SSSL	--
	Benzo(a)pyrene	50-32-8	--	--	--	--	<BKG	--	--	--	<ESLB & SSSL	--	--	<ESLB & SSSL	--
	Benzo(b)fluoranthene	205-99-2	--	--	--	--	--	--	--	--	<ESLB & SSSL	--	--	<ESLB & SSSL	--
	bis(2-Ethylhexyl)phthalate	117-81-7	--	--	--	--	--	--	--	--	X	--	--	--	--
	Butylbenzylphthalate	85-68-7	--	--	--	--	--	--	--	--	--	--	--	--	--
	Carbazole	86-74-8	--	--	--	--	--	--	--	--	--	--	--	<ESLB & SSSL	--
	Chrysene	218-01-9	--	--	--	--	--	--	--	--	X	--	--	<ESLB & SSSL	<ESLB & SSSL
	DI-N-OCTYLPHTHALATE	117-84-0	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluoranthene	206-44-0	<BKG	<BKG	<BKG	<BKG	--	<BKG	<BKG	--	<ESLB & SSSL	<BKG	<BKG	X	<BKG
	Fluorene	86-73-7	--	--	<ESLB & SSSL	--	--	--	<BKG	--	--	--	--	X	--
	Hexachlorobutadiene	87-68-3	--	--	--	--	--	--	--	--	--	--	--	--	--
	Naphthalene	91-20-3	--	--	--	--	--	--	--	--	--	--	--	<ESLB & SSSL	--
	N-Nitrosodiphenylamine	86-30-6	--	--	--	--	--	--	--	--	--	--	--	--	--
	Pentachlorobenzene	608-93-5	--	--	--	--	--	--	--	--	--	X	--	--	<ESLB & SSSL
	Pentachlorophenol	87-86-5	--	--	--	--	--	--	--	--	<ESLB & SSSL	--	--	--	--
	Phenanthrene	85-01-8	--	--	--	--	--	--	--	--	<ESLB & SSSL	--	--	X	--
	p-tert-Butylphenol	98-54-4	--	--	--	--	--	--	--	--	--	--	--	--	--
	Pyrene	129-00-0	<BKG	<BKG	<BKG	<BKG	--	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	--	<ESLB & SSSL	<BKG
	Total Chlorophenols	TCLP_ERA_Dow	--	--	--	--	--	--	--	--	<PLER	--	--	--	--
	Total Chlororbenzenes	TCLB_ERA_Dow	<PLER	<PLER	<PLER	--	--	<PLER	<PLER	--	<PLER	<PLER	--	--	<PLER
	Total PAHs	TPAH_ERA_Dow	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<PLER	<BKG	<BKG	X	<BKG
VOC	1,2,3-Trichlorobenzene	87-61-6	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	120-82-1	--	--	--	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	--	--	--
	1,2-Dichlorobenzene	95-50-1	--	--	--	--	--	--	<ESLB & SSSL	--	--	--	--	--	--
	1,3-Dichlorobenzene	541-73-1	--	--	--	--	--	--	--	--	<ESLB & SSSL	--	--	--	--
	1,4-Dichlorobenzene	106-46-7	--	--	--	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	--	--	--

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
NA	not analyzed
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SSSL	site-specific screening level
SCOI	secondary constituent of interest
SVOC	semi-volatile organic compound

Table 5B: In-Channel Sediment Screening: Detected SCOIs - Screening Summary by Location (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RQQ-1023+50-IC43	RQQ-1030+00-IC47	RRR-1032+50-IC96	RRR-1036+00-IC107	RRR-1041+50-IC26	RRR-1041+50-IC99	RRR-1042+00-IC88	RUU-1128+50-IC234	RUU-1133+50-IC188	RUU-1141+50-IC259	RUU-1141+50-IC317	RVV-1147+50-IC267	RVV-1157+00-IC276
			Seg 6	Seg 6	Seg 6	Seg 6	Seg 6	Seg 6	Seg 6	Seg 7	Seg 7	Seg 7	Seg 7	Seg 7	Seg 7
			0-0.5	0.5-1	0.5-1	0.5-1	0-0.5	0.5-1	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0.5-1	0-0.5
Metal	Aluminum	7429-90-5	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Arsenic	7440-38-2	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Barium	7440-39-3	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Beryllium	7440-41-7	--	--	--	--	--	--	--	--	--	--	<BKG	--	--
	Boron	7440-42-8	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<BKG
	Cadmium	7440-43-9	--	--	--	--	--	--	--	--	--	--	--	--	--
	Calcium	7440-70-2	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Chromium (total)	7440-47-3	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<BKG
	Cobalt	7440-48-4	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<BKG
	Copper	7440-50-8	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Iron	7439-89-6	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Lead	7439-92-1	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<BKG
	Lithium	7439-93-2	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Magnesium	7439-95-4	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Manganese	7439-96-5	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Mercury	7439-97-6	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<ESLB & SSSL	<BKG	<BKG	<ESLB & SSSL	<BKG
	Nickel	7440-02-0	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Potassium	7440-09-7	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Selenium	7782-49-2	--	--	--	--	--	--	--	--	--	--	--	--	--
	Sodium	7440-23-5	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Strontium	7440-24-6	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Thallium	7440-28-0	--	--	--	--	--	--	--	--	--	--	--	--	--
	Titanium	7440-32-6	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Vanadium	7440-62-2	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<BKG
	Zinc	7440-66-6	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Hexachlorobenzene	118-74-1	--	--	--	--	--	--	--	--	<ESLB & SSSL	--	--	--	--
	Octachlorostyrene	29082-74-4	--	--	--	--	--	--	--	--	--	--	--	--	--
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	--	--	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	--	<ESLB & SSSL
	2,3,4,6-Tetrachlorophenol	58-90-2	--	--	--	--	--	--	--	--	--	--	--	--	--
	2,4-Dichlorophenol	120-83-2	--	--	--	--	--	--	--	--	--	--	--	--	--
	2-Phenylphenol	90-43-7	--	--	--	--	--	--	--	--	<PLER	--	--	--	--
	Acenaphthene	83-32-9	--	--	--	--	--	--	--	<BKG	<BKG	<BKG	--	--	--
	Benzo(a)pyrene	50-32-8	--	--	--	--	--	--	--	<BKG	--	<BKG	<BKG	<BKG	--
	Benzo(b)fluoranthene	205-99-2	--	--	--	--	--	--	--	<BKG	--	<BKG	--	<BKG	--
	bis(2-Ethylhexyl)phthalate	117-81-7	--	--	--	--	--	--	--	--	--	--	--	--	--
	Butylbenzylphthalate	85-68-7	--	--	--	--	--	--	--	--	--	--	--	--	--
	Carbazole	86-74-8	--	--	--	--	--	--	--	--	--	<ESLB & SSSL	--	--	--
	Chrysene	218-01-9	--	--	--	--	--	--	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	--
	DI-N-OCTYLPHTHALATE	117-84-0	--	--	--	--	--	--	--	--	--	--	--	--	--
	Fluoranthene	206-44-0	<BKG	<BKG	--	--	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<ESLB & SSSL	--	<BKG	<BKG
	Fluorene	86-73-7	--	--	--	--	--	--	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	<BKG	--
	Hexachlorobutadiene	87-68-3	--	--	--	--	--	--	--	<ESLB & SSSL	--	--	--	--	--
	Naphthalene	91-20-3	--	--	--	--	--	--	--	--	--	--	--	--	--
	N-Nitrosodiphenylamine	86-30-6	--	--	--	--	--	--	--	<ESLB & SSSL	--	--	--	--	--
	Pentachlorobenzene	608-93-5	--	--	--	--	--	--	--	X	--	--	--	--	--
	Pentachlorophenol	87-86-5	--	--	--	--	--	--	--	--	--	--	--	--	--
	Phenanthrene	85-01-8	--	--	--	--	--	--	--	<ESLB & SSSL	<BKG	<ESLB & SSSL	--	<BKG	--
	p-tert-Butylphenol	98-54-4	--	--	--	--	--	--	--	--	--	--	--	--	--
	Pyrene	129-00-0	<BKG	<BKG	--	--	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<ESLB & SSSL	--	<BKG	<BKG
	Total Chlorophenols	TCLP_ERA_Dow	--	--	--	--	--	--	--	--	--	--	--	--	--
	Total Chlororbenzenes	TCLB_ERA_Dow	--	--	--	--	--	<PLER	--	<PLER	<PLER	<PLER	--	--	<PLER
	Total PAHs	TPAH_ERA_Dow	<BKG	<BKG	--	--	<BKG	<BKG	<BKG	<PLER	<BKG	<PLER	<BKG	<BKG	<BKG
VOC	1,2,3-Trichlorobenzene	87-61-6	--	--	--	--	--	--	--	<ESLB & SSSL	--	--	--	--	--
	1,2,4-Trichlorobenzene	120-82-1	--	--	--	--	--	--	--	<ESLB & SSSL	<ESLB & SSSL	--	--	--	--
	1,2-Dichlorobenzene	95-50-1	--	--	--	--	--	--	--	--	--	--	--	--	--
	1,3-Dichlorobenzene	541-73-1	--	--	--	--	--	--	--	<ESLB & SSSL	<ESLB & SSSL	--	--	--	--
	1,4-Dichlorobenzene	106-46-7	--	--	--	--	--	--	--	<ESLB & SSSL	<ESLB & SSSL	--	--	--	--

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
NA	not analyzed
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SSSL	site-specific screening level
SCOI	secondary constituent of interest
SVOC	semi-volatile organic compound

Table 5B: In-Channel Sediment Screening: Detected SCOIs - Screening Summary by Location (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RVV-1167+50-IC33	RWW-1213+50-IC109	RXX-1220+50-IC334	RXX-1242+00-IC260	RXX-1252+00-IC251	RYY-1267+00-IC108	RYY-1267+00-IC1198	RYY-1271+00-IC109	RYY-1276+00-IC174	RYY-1276+00-IC318
			Seg 7	Seg 7	Seg 7	Seg 7	Seg 7	Seg 7	Seg 7	Seg 7	Seg 7	Seg 7
			0-0.5	0.5-1	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0.5-1	0.5-1	0-0.5
Metal	Aluminum	7429-90-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Arsenic	7440-38-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<PLER	<BKG	<BKG	<BKG
	Barium	7440-39-3	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Beryllium	7440-41-7	--	--	--	--	--	<BKG	<BKG	<BKG	--	--
	Boron	7440-42-8	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Cadmium	7440-43-9	--	--	--	--	--	--	--	--	--	--
	Calcium	7440-70-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Chromium (total)	7440-47-3	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<ESLB & SSSL	<BKG	<BKG
	Cobalt	7440-48-4	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Copper	7440-50-8	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<ESLB & SSSL	<BKG	<BKG
	Iron	7439-89-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Lead	7439-92-1	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<ESLB & SSSL	<BKG	<BKG
	Lithium	7439-93-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<BKG
	Magnesium	7439-95-4	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Manganese	7439-96-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Mercury	7439-97-6	<BKG	<BKG	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<BKG	<BKG
	Nickel	7440-02-0	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Potassium	7440-09-7	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Selenium	7782-49-2	--	--	--	--	--	--	--	--	--	--
	Sodium	7440-23-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Strontium	7440-24-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Thallium	7440-28-0	--	--	--	--	--	--	--	--	--	--
	Titanium	7440-32-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Vanadium	7440-62-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Zinc	7440-66-6	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	X	<BKG	<BKG
	Hexachlorobenzene	118-74-1	--	--	--	--	--	--	--	--	--	--
	Octachlorostyrene	29082-74-4	--	--	--	--	--	--	--	--	--	--
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	--	<ESLB & SSSL	--	--	--	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--
	2,3,4,6-Tetrachlorophenol	58-90-2	--	--	--	--	--	--	--	--	--	--
	2,4-Dichlorophenol	120-83-2	--	--	--	--	--	--	<ESLB & SSSL	--	--	--
	2-Phenylphenol	90-43-7	--	--	--	--	--	--	--	--	--	--
	Acenaphthene	83-32-9	--	--	--	--	--	--	--	--	--	--
	Benzo(a)pyrene	50-32-8	--	--	--	--	--	--	<BKG	--	--	--
	Benzo(b)fluoranthene	205-99-2	--	--	--	--	--	--	--	--	--	--
	bis(2-Ethylhexyl)phthalate	117-81-7	--	--	--	--	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	--
	Butylbenzylphthalate	85-68-7	--	--	--	--	--	--	--	<ESLB & SSSL	--	--
	Carbazole	86-74-8	--	--	--	--	--	--	--	--	--	--
	Chrysene	218-01-9	<ESLB & SSSL	--	--	--	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	--
	DI-N-OCTYLPHTHALATE	117-84-0	--	--	--	--	--	--	--	--	--	--
	Fluoranthene	206-44-0	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	--	<BKG
	Fluorene	86-73-7	--	--	--	--	--	--	<ESLB & SSSL	--	--	--
	Hexachlorobutadiene	87-68-3	--	--	--	--	--	--	--	--	--	--
	Naphthalene	91-20-3	--	--	--	--	--	--	--	--	--	--
	N-Nitrosodiphenylamine	86-30-6	--	--	--	--	--	--	--	--	--	--
	Pentachlorobenzene	608-93-5	--	--	--	--	--	--	--	--	--	--
	Pentachlorophenol	87-86-5	--	--	--	--	--	--	--	--	--	--
	Phenanthrene	85-01-8	--	--	--	--	--	--	<BKG	--	--	--
	p-tert-Butylphenol	98-54-4	--	--	--	--	--	--	--	--	--	--
	Pyrene	129-00-0	<BKG	<BKG	<BKG	--	--	<BKG	<ESLB & SSSL	<BKG	--	--
	Total Chlorophenols	TCLP_ERA_Dow	--	--	--	--	--	--	<PLER	--	--	--
	Total Chlororbenzenes	TCLB_ERA_Dow	--	<PLER	--	--	--	--	<PLER	<PLER	<PLER	--
	Total PAHs	TPAH_ERA_Dow	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	--	<BKG
VOC	1,2,3-Trichlorobenzene	87-61-6	--	--	--	--	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	120-82-1	--	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	95-50-1	--	--	--	--	--	--	<ESLB & SSSL	--	--	--
	1,3-Dichlorobenzene	541-73-1	--	--	--	--	--	--	<ESLB & SSSL	--	--	--
	1,4-Dichlorobenzene	106-46-7	--	--	--	--	--	--	<ESLB & SSSL	<ESLB & SSSL	--	--

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
NA	not analyzed
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SSSL	site-specific screening level
SCOI	secondary constituent of interest
SVOC	semi-volatile organic compound

Table 5C: In-Channel Sediment Screening: Comparison to Individual Screening Criteria (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Not Detected	< BKG (a)	Included in Totals Mixture (b)	< PLER	< ESLB and SSSL	Screened Out
Metal	Aluminum	7429-90-5		X				Yes
	Antimony	7440-36-0	X					Yes
	Arsenic	7440-38-2				X		Yes
	Barium	7440-39-3					X	Yes
	Beryllium	7440-41-7						No
	Boron	7440-42-8						No
	Cadmium	7440-43-9						No
	Calcium	7440-70-2		X				Yes
	Chromium (total)	7440-47-3					X	Yes
	Cobalt	7440-48-4					X	Yes
	Copper	7440-50-8					X	Yes
	Gold	7440-57-5	X					Yes
	Iron	7439-89-6		X				Yes
	Lead	7439-92-1					X	Yes
	Lithium	7439-93-2						No
	Magnesium	7439-95-4		X				Yes
	Manganese	7439-96-5		X				Yes
	Mercury	7439-97-6					X	Yes
	Nickel	7440-02-0					X	Yes
	Potassium	7440-09-7						No
	Selenium	7782-49-2						No
	Silver	7440-22-4	X					Yes
	Sodium	7440-23-5						No
	Strontium	7440-24-6					X	Yes
	Thallium	7440-28-0						No
	Tin	7440-31-5	X					Yes
	Titanium	7440-32-6		X				Yes
	Vanadium	7440-62-2						No
	Zinc	7440-66-6						No
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	X					Yes
	2,4'-DDD	53-19-0	X					Yes
	4,4'-DDD	72-54-8	X					Yes
	4,4'-DDE	72-55-9	X					Yes
	4,4'-DDT	50-29-3	X					Yes
	Aldrin	309-00-2	X					Yes
	alpha-BHC	319-84-6	X					Yes
	Alpha-chlordane	5103-71-9	X					Yes
	beta-BHC	319-85-7	X					Yes
	Chlorpyrifos	2921-88-2	X					Yes
	cis-Nonachlor	5103-73-1	X					Yes
	delta-BHC	319-86-8	X					Yes
	Diallate (total)	2303-16-4	X					Yes
	Dieldrin	60-57-1	X					Yes
	Dimethoate	60-51-5	X					Yes
	Dinoseb	88-85-7	X					Yes
	Disulfoton	298-04-4	X					Yes
	Endosulfan I	959-98-8	X					Yes
	Endosulfan II	33213-65-9	X					Yes
	Endosulfan sulfate	1031-07-8	X					Yes
	Endrin	72-20-8	X					Yes
	Endrin aldehyde	7421-93-4	X					Yes
	Famphur	52-85-7	X					Yes
	gamma-BHC	58-89-9	X					Yes
	Gamma-chlordane	12789-03-6	X					Yes
	Heptachlor	76-44-8	X					Yes
	Heptachlor epoxide	1024-57-3	X					Yes
	Hexachlorobenzene	118-74-1			X			Yes(c)
	Isodrin	465-73-6	X					Yes
	Methoxychlor	72-43-5	X					Yes
	Methyl chlorpyrifos	5598-13-0	X					Yes
	Methyl parathion	298-00-0	X					Yes
	Mirex	2385-85-5	X					Yes
	Octachlorostyrene	29082-74-4					X	Yes
	Oxychlordane	27304-13-8	X					Yes
	Parathion	56-38-2	X					Yes
	Phorate	298-02-2	X					Yes
	Polybrominated biphenyls	67774-32-7	X					Yes
	Propachlor	1918-16-7	X					Yes
	Ronnel	299-84-3	X					Yes
	Thionazin	297-97-2	X					Yes
	Toxaphene	8001-35-2	X					Yes
	trans-Nonachlor	39765-80-5	X					Yes
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	X					Yes
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	X					Yes
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	X					Yes
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	X					Yes
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	X					Yes
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	X					Yes
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2			X			Yes(c)
	1,2,4,5-Tetrachlorobenzene	95-94-3	X					Yes
	2,2'-oxybis(1-Chloropropane)	108-60-1	X					Yes
	2,3,4,6-Tetrachlorophenol	58-90-2			X			Yes(c)
	2,4,5-Trichlorophenol	95-95-4	X					Yes
	2,4,6-Trichlorophenol	88-06-2	X					Yes
	2,4-Dichlorophenol	120-83-2			X			Yes(c)
	2,4-Dimethylphenol	105-67-9	X					Yes
	2,4-Dinitrophenol	51-28-5	X					Yes
	2,4-Dinitrotoluene	121-14-2	X					Yes
	2,6-Dichlorophenol	87-65-0	X					Yes
	2,6-Dinitrotoluene	606-20-2	X					Yes
	2-Chloronaphthalene	91-58-7	X					Yes
	2-Chlorophenol	95-57-8	X					Yes
	2-Methylnaphthalene	91-57-6	X					Yes
	2-Methylphenol	95-48-7	X					Yes
	2-Nitroaniline	88-74-4	X					Yes
	2-Nitrophenol	88-75-5	X					Yes
	2-Phenylphenol	90-43-7				X		Yes
	3,3'-Dichlorobenzidine	91-94-1	X					Yes
	3-Methylphenol	108-39-4	X					Yes

Table 5C: In-Channel Sediment Screening: Comparison to Individual Screening Criteria (upper 1 foot)
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Not Detected	< BKG (a)	Included in Totals Mixture (b)	< PLER	< ESLB and SSSL	Screened Out
SVOC (cont.)	3-Nitroaniline	99-09-2	X					Yes
	4,6-Dinitro-2-methylphenol	534-52-1	X					Yes
	4-Bromophenyl-phenyl ether	101-55-3	X					Yes
	4-Chloro-3-methylphenol	59-50-7	X					Yes
	4-Chlorophenyl-phenyl ether	7005-72-3	X					Yes
	4-Methylphenol	106-44-5	X					Yes
	4-Nitroaniline	100-01-6	X					Yes
	4-Nitrophenol	100-02-7	X					Yes
	Acenaphthene	83-32-9			X			Yes(c)
	Acenaphthylene	208-96-8	X					Yes
	Aniline	62-53-3	X					Yes
	Anthracene	120-12-7	X					Yes
	Azobenzene	103-33-3	X					Yes
	Benzidine	92-87-5	X					Yes
	Benzo(a)anthracene	56-55-3	X					Yes
	Benzo(a)pyrene	50-32-8			X			Yes(c)
	Benzo(b)fluoranthene	205-99-2			X			Yes(c)
	Benzo(g,h,i)perylene	191-24-2	X					Yes
	Benzo(k)fluoranthene	207-08-9	X					Yes
	Benzyl alcohol	100-51-6	X					Yes
	bis(2-Chloroethoxy)methane	111-91-1	X					Yes
	bis(2-Chloroethyl) ether	111-44-4	X					Yes
	bis(2-Ethylhexyl)phthalate	117-81-7						No
	Bisphenol A	80-05-7	X					Yes
	Butylbenzylphthalate	85-68-7					X	Yes
	Carbazole	86-74-8					X	Yes
	Chlorobenzilate	510-15-6	X					Yes
	Chrysene	218-01-9			X			Yes(c)
	Dibenz(a,h)anthracene	53-70-3	X					Yes
	Diethylphthalate	84-66-2	X					Yes
	Dimethyl phthalate	131-11-3	X					Yes
	Di-n-butyl phthalate	84-74-2	X					Yes
	Di-N-Octylphthalata	117-84-0		X				Yes
	Fluoranthene	206-44-0			X			Yes(c)
	Fluorene	86-73-7			X			Yes(c)
	Hexachlorobutadiene	87-68-3					X	Yes
	Hexachlorocyclopentadiene	77-47-4	X					Yes
	Hexachloroethane	67-72-1	X					Yes
	Indeno(1,2,3-cd)pyrene	193-39-5	X					Yes
	Isophorone	78-59-1	X					Yes
	Naphthalene	91-20-3			X			Yes(c)
	Nitrobenzene	98-95-3	X					Yes
	N-Nitrosodimethylamine	62-75-9	X					Yes
	N-Nitroso-di-n-propylamine	621-64-7	X					Yes
	N-Nitrosodiphenylamine	86-30-6					X	Yes
	Pentachlorobenzene	608-93-5			X			Yes(c)
	Pentachloronitrobenzene	82-68-8	X					Yes
	Pentachlorophenol	87-86-5			X			Yes(c)
	Phenanthrene	85-01-8			X			Yes(c)
	Phenol	108-95-2	X					Yes
	p-tert-Butylphenol	98-54-4					X	Yes
	Pyrene	129-00-0			X			Yes(c)
	Pyridine	110-86-1	X					Yes
	Total Chlorophenols	TCLP_ERA_Dow				X		Yes
	Total Chlororbenzenes	TCLB_ERA_Dow				X		Yes
	Total PAHs	TPAH_ERA_Dow						No
VOC	1,2,3-Trichlorobenzene	87-61-6			X			Yes(c)
	1,2,4-Trichlorobenzene	120-82-1			X			Yes(c)
	1,2-Dichlorobenzene	95-50-1			X			Yes(c)
	1,3-Dichlorobenzene	541-73-1			X			Yes(c)
	1,4-Dichlorobenzene	106-46-7			X			Yes(c)

Notes:

BHC	Hexachlorocyclohexane
BKG	background
CAS	chemical abstract service
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
PAH	polycyclic aromatic hydrocarbon
PLER	potential level for ecological risk
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
VOC	volatile organic compound
X	Denotes step at which SCOI screened out of screening process
(a)	Sediment background values are based on maximum concentrations from either Chippewa, Pine, or Upper Tittabawassee Rivers
(b)	Individual chlorobenzenes, chlorophenols, and PAHs were combined into total chlorobenzenes, total chlorophenols, and total PAHs
(c)	Screened out based on inclusion in total mixtures (b)

Table 6A: In-Channel Sediment Screening: Additional Risk-Based Consideration
Segments 4-7 SCOI Screening

			Benchmarks (a) (mg/kg)		In-Channel Surficial Sediment (upper 1 ft) (mg/kg)									
Class	**Chemical Name**	**CAS #**	**Site Specific EqP Benchmarks (1.5% TOC)**	**Other Published BMK**	**Avg. (b)**	**Max.**	**Frequency of Detection (FoD)**			**FoD Exceeding Benchmarks (EqP, other pub. BMK)**			**Screened Out**
Metal	Beryllium	7440-41-7	NA	1.8	0.34	14	12	/	49	1	/	49	Yes
	Boron	7440-42-8	NA	33	16.8	310	48	/	49	1	/	49	Yes
	Cadmium	7440-43-9	NA	2.5	0.91	42	5	/	49	1	/	49	Yes
	Lithium	7439-93-2	NA	41	4.3	48	48	/	49	1	/	49	Yes
	Potassium	7440-09-7	NA	2300	239	3100	48	/	49	1	/	49	Yes
	Selenium	7782-49-2	NA	1.2	1.42	69	1	/	49	1	/	49	Yes
	Sodium	7440-23-5	NA	12000	122	440	48	/	49	0	/	49	Yes
	Thallium	7440-28-0	NA	3.8	3.0	140	1	/	49	1	/	49	Yes
	Vanadium	7440-62-2	NA	89	4.9	45	48	/	49	0	/	49	Yes
	Zinc	7440-66-6	NA	75	24.0	150	48	/	49	2	/	49	Yes
SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	67.5	NA	0.06	0.2	6	/	49	0	/	49	Yes
	Total PAHs (c)	TPAH_ERA_Dow	--	--	1.8	15.6	45	/	49	NA	/	NA	See Table 6B

Notes:

(a) See Table 3C for benchmark derivation/source
(b) Average calculated assuming half the detection limit for non-detects
(c) Total PAH sediment concentrations that did not screen out based on background and PLER comparisons are compared to the organic-carbon normalized NSR value for total PAHs developed in the Segment 1 Response Proposal.

Avg. average
BMK benchmark
CAS chemical abstract service
EqP equilibrium partitioning benchmark
ft foot
FoD frequency of detection
Max. maximum
mg/kg milligram per kilogram
NSR no significant risk
NA not applicable
-- not available
PAH polycyclic aromatic hydrocarbon
PLER potential level for ecological risk
SVOC semi-volatile organic compound
TOC total organic carbon

Table 6B: In-Channel Sediment Screening: Additional Risk-Based Consideration for Total PAHs (upper 1 ft)
Segments 4-7 SCOI Screening

Location ID	Start Depth (ft)	End Depth (ft)	Total PAHs (mg/kg)	TOC (%)	Organic Carbon Normalized Total PAHs (µg/gOC)	Organic Carbon Normalized NSR Value (µg/gOC)
RQQ-1023+00-IC44	0.5	1	15.6205	7	223.15	1373

ft foot
% percent
µg/gOC microgram(s) per gram organic carbon
mg/kg millgram(s) per kilogram
NSR no significant risk
PAH polycyclic aromatic hydrocarbon
TOC total organic carbon

Table 6C: In-Channel Sediment Screening: Additional Risk-Based Consideration Summary (upper 1 ft)
Segments 4-7 SCOI Screening

Class	Chemical Name	In-Channel Surficial Sediment (upper 1 ft)			
		EqP	Other published BMK	OC normalized NSR	Screened Out
Metal	Beryllium	--	X	--	Yes
	Boron	--	X	--	Yes
	Cadmium	--	X	--	Yes
	Lithium	--	X	--	Yes
	Potassium	--	X	--	Yes
	Selenium	--	X	--	Yes
	Sodium	--	X	--	Yes
	Thallium	--	X	--	Yes
	Vanadium	--	X	--	Yes
	Zinc	--	X	--	Yes
SVOC	bis(2-Ethylhexyl)phthalate	X	--	--	Yes
	Total PAHs (a)	--	--	X	Yes

(a) Total PAH sediment concentrations that did not screen out based on background and PLER comparisons are
BMK benchmark
EqP equilibrium partitioning benchmark
ft foot
NSR no significant risk
OC organic carbon
PAHs polycyclic aromatic hydrocarbons
SVOC semi-volatile organic compound

Table 7A: Bank Soil LWA Screening: Detected SCOI Data Compared to Screening Criteria (mg/kg)

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria				Segs 4-7 Max	RBB-607+00-SW12	RBB-614+50-SW4	RCC-639+00-SW9	RFF-719+00-SW33	RFF-721+50-SW9	RHH-761+00-NE24
			BKG Max (a)	PLER (b)	ESLB (d)	SSSL (d)		Seg 4	Seg 4	Seg 4	Seg 4	Seg 4	Seg 4
Metal	Aluminum	7429-90-5	72000	No PLER	No ESLB	2900	31000.00	3600.00	1300.00	8581.08	3700.00	2181.63	10000.00
	Antimony	7440-36-0	2.5	No PLER	12	8.7	8.35	3.82	1.72	4.04	6.69	3.17	-
	Arsenic	7440-38-2	27.7	150	9.79	150	17.94	2.80	14.25	9.97	2.23	2.06	5.70
	Barium	7440-39-3	580	No PLER	9.02	80	63.00	19.57	25.65	54.92	21.90	15.48	28.00
	Beryllium	7440-41-7	1.8	No PLER	0.553	0.35	0.37	0.11	-	0.31	0.12	0.06	0.16
	Boron	7440-42-8	33	No PLER	15	22	20.29	9.95	20.29	14.97	12.51	12.23	9.70
	Cadmium	7440-43-9	2.5	No PLER	0.99	1.4	0.41	0.10	0.13	0.30	0.05	-	0.12
	Calcium	7440-70-2	190000	No PLER	No ESLB	190000	82142.86	18000.00	27000.00	42864.86	17902.58	10963.27	52000.00
	Chromium (total)	7440-47-3	55	No PLER	43.4	160	22.18	15.87	7.21	16.29	6.24	4.44	7.30
	Cobalt	7440-48-4	12	No PLER	50	12.72	17.32	10.14	15.27	17.32	8.25	4.79	2.70
	Copper	7440-50-8	58	No PLER	31.6	190	52.00	26.29	4.76	27.16	6.32	4.89	8.00
	Iron	7439-89-6	38000	No PLER	No ESLB	25000	69000.00	6900.00	9300.00	14367.57	10935.48	6524.49	7300.00
	Lead	7439-92-1	45	No PLER	35.8	260	44.00	8.75	2.58	17.79	5.27	4.18	10.00
	Lithium	7439-93-2	41	No PLER	28.8	7.2	14.14	5.08	2.15	14.14	4.78	2.82	7.80
	Magnesium	7439-95-4	210000	No PLER	No ESLB	31000	53571.43	7300.00	5400.00	14486.49	7183.87	4653.06	20000.00
	Manganese	7439-96-5	1800	No PLER	460	480	2300.00	97.41	190.00	386.22	198.71	110.33	220.00
	Mercury	7439-97-6	0.6	No PLER	0.174	0.72	0.18	0.06	0.03	0.11	0.03	0.02	0.05
	Nickel	7440-02-0	39	No PLER	22.7	79	12.00	7.91	4.61	10.87	5.58	2.78	6.10
	Potassium	7440-09-7	2300	No PLER	No ESLB	No SSSL	1231.72	380.00	150.00	1110.81	480.65	326.94	750.00
	Selenium	7782-49-2	1.2	No PLER	0.025	0.68	0.30	-	-	0.11	0.04	-	-
	Silver	7440-22-4	22.73	No PLER	0.5	0.17	56.75	12.04	-	6.39	4.69	-	11.00
	Sodium	7440-23-5	12000	No PLER	No ESLB	74	458.39	54.90	82.80	80.30	458.39	80.87	110.00
	Strontium	7440-24-6	240	No PLER	290.5	370	85.00	35.70	31.24	74.56	19.61	15.35	41.00
	Thallium	7440-28-0	3.8	No PLER	0.51	1.682	1.19	-	0.26	0.37	0.32	0.67	-
	Tin	7440-31-5	1.3	No PLER	18.25	No SSSL	0.48	-	-	-	-	-	-
	Titanium	7440-32-6	2900	No PLER	No ESLB	120	150.00	110.00	150.00	92.85	68.71	66.63	97.00
	Vanadium	7440-62-2	89	No PLER	12	38.02	15.98	9.33	8.43	15.98	7.07	5.13	9.40
	Zinc	7440-66-6	75	No PLER	121	73	120.00	47.91	38.21	48.52	22.95	17.20	18.00
Pesticide	2,4'-DDD	53-19-0	0.11	No PLER	0.00488	No SSSL	0.08	-	-	-	-	-	-
	4,4'-DDD	72-54-8	8.5	No PLER	0.00488	0.02	0.13	-	-	-	-	-	-
	4,4'-DDE	72-55-9	0.0045	No PLER	0.00316	No SSSL	1.20	-	-	0.01	0.01	-	-
	4,4'-DDT	50-29-3	0.12	No PLER	0.00416	No SSSL	0.59	-	-	0.02	0.00	-	-
	alpha-BHC	319-84-6	0.0035	No PLER	0.006	No SSSL	0.20	-	-	-	-	-	-
	beta-BHC	319-85-7	0.004	No PLER	0.005	No SSSL	0.10	-	-	-	-	-	-
	delta-BHC	319-86-8	0.004	No PLER	71.5	No SSSL	0.02	-	-	-	-	-	-
	Dieldrin	60-57-1	0.005	No PLER	0.0019	0.11	0.43	0.08	0.43	0.03	0.05	0.01	-
	Endosulfan I	959-98-8	0.0045	No PLER	0.00326	No SSSL	0.02	-	-	-	-	-	-
	Endrin	72-20-8	0.004	No PLER	0.00222	0.07	0.53	0.08	0.53	0.04	-	-	-
	Hexachlorobenzene	118-74-1	0.004	No PLER	0.02	No SSSL	5.25	0.03	-	0.37	0.02	0.01	0.03
	Octachlorostyrene	29082-74-4	0.004	No PLER	2.6	No SSSL	0.68	0.03	-	0.12	0.01	0.02	-
	Parathion	56-38-2	0.005	0.36	0.000757	0.36	0.07	-	-	0.03	0.04	0.03	-
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.01	No PLER	2.6	No SSSL	0.99	0.03	-	0.16	-	-	-
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	No PLER	0.56	0.39	0.18	0.04	0.02	0.03	0.01	0.01	-
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.0025	No PLER	1.25	No SSSL	0.06	-	-	-	-	-	-
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	No PLER	0.129	2.8	0.26	-	-	-	-	-	-
	2,4,5-Trichlorophenol	95-95-4	0.03	No PLER	0.21348	3.6	0.03	-	-	-	-	-	-
	2,4,6-Trichlorophenol	88-06-2	0.03	No PLER	0.208	5.8	0.05	-	-	-	-	-	-
	2-Methylnaphthalene	91-57-6	0.28	No PLER	0.0202	No SSSL	0.06	-	-	-	-	-	-

Table 7A: Bank Soil LWA Screening: Detected SCOI Data Compared to Screening Criteria (mg/kg)

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria				Segs 4-7 Max	RBB-607+00-SW12	RBB-614+50-SW4	RCC-639+00-SW9	RFF-719+00-SW33	RFF-721+50-SW9	RHH-761+00-NE24
			BKG Max (a)	PLER (b)	ESLB (d)	SSSL (d)		Seg 4	Seg 4	Seg 4	Seg 4	Seg 4	Seg 4
	Acenaphthene	83-32-9	0.1	No PLER	0.00671	0.62	0.08	-	-	-	-	-	0.03
	Acenaphthylene	208-96-8	0.03	No PLER	0.00587	No SSSL	0.06	-	-	-	-	-	-
	Aniline	62-53-3	0.05	No PLER	0.00031	No SSSL	0.07	-	-	-	-	-	-
	Anthracene	120-12-7	0.14	No PLER	0.0572	0.89	0.17	-	-	-	-	-	-
	Benzo(a)pyrene	50-32-8	0.58	No PLER	0.15	1.2	0.36	-	-	0.17	0.07	0.04	0.21
	Benzo(b)fluoranthene	205-99-2	0.26	No PLER	10.4	1.4	0.56	-	-	0.18	0.09	-	0.34
	Benzo(g,h,i)perylene	191-24-2	0.03	No PLER	0.17	0.67	0.12	-	-	-	-	-	-
	Benzo(k)fluoranthene	207-08-9	0.05	No PLER	0.24	0.57	0.39	-	-	0.14	0.14	0.09	-
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	No PLER	0.182	No SSSL	2.00	-	-	-	-	-	-
	Carbazole	86-74-8	0.005	No PLER	0.452	0.16	0.03	-	-	-	-	-	-
	Chrysene	218-01-9	0.03	No PLER	0.166	1.5	0.43	-	-	0.13	0.07	-	0.29
	Dibenz(a,h)anthracene	53-70-3	0.05	No PLER	0.033	0.67	0.07	-	-	-	-	-	-
	Diethylphthalate	84-66-2	0.055	No PLER	0.295	0.2	0.86	-	0.14	0.27	0.29	0.35	-
	Di-n-butyl phthalate	84-74-2	0.055	No PLER	1.11	1.2	0.47	-	-	0.37	0.43	0.07	-
	Fluoranthene	206-44-0	0.59	No PLER	0.423	4	1.20	0.06	0.07	0.12	0.20	0.07	1.20
	Fluorene	86-73-7	0.34	No PLER	0.0774	0.54	0.33	-	-	-	-	-	0.31
	Hexachlorobutadiene	87-68-3	0.03	No PLER	0.0265	2.2	0.18	-	-	-	-	-	-
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.0035	No PLER	0.901	No SSSL	0.01	-	-	-	-	-	-
	Hexachloroethane	67-72-1	0.03	No PLER	0.584	No SSSL	0.06	-	-	-	-	-	-
	Indeno(1,2,3-cd)pyrene	193-39-5	0.03	No PLER	0.2	0.61	0.05	-	-	0.04	-	-	-
	Isophorone	78-59-1	0.03	No PLER	0.432	No SSSL	0.05	-	-	-	-	0.05	-
	Naphthalene	91-20-3	0.05	No PLER	0.176	0.4	0.12	-	-	0.06	-	-	-
	Pentachlorobenzene	608-93-5	0.0035	No PLER	0.024	No SSSL	0.07	0.01	0.05	0.01	-	-	-
	Pentachlorophenol	87-86-5	0.03	No PLER	23	2.4	0.24	-	-	-	0.24	0.24	-
	Phenanthrene	85-01-8	0.58	No PLER	0.204	2.5	1.40	-	-	0.13	0.11	-	1.40
	Pyrene	129-00-0	0.7	No PLER	0.195	4.2	1.04	-	0.10	0.28	0.15	0.06	1.00
	Total Chlorophenols ERA	TCLP_ERA_Dow	0.214	25.7	No ESLB	25.7	0.84	-	-	-	0.36	0.28	-
	Total Chlororbenzenes ERA	TCLB_ERA_Dow	No Bkg	33.3	No ESLB	33.3	5.86	0.25	0.17	0.47	0.11	0.10	0.14
	Total PAHs ERA	TPAH_ERA_Dow	2.51	15.1	No ESLB	15.1	4.61	0.40	0.49	0.97	0.85	0.32	4.61
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	No PLER	0.117	0.14	0.08	0.01	-	0.02	0.00	-	-
	1,2,4-Trichlorobenzene	120-82-1	0.03	No PLER	5.06	1	0.10	0.06	-	0.04	-	-	-
	1,2-Dichlorobenzene	95-50-1	0.02	No PLER	0.294	11	0.20	-	-	-	-	-	-
	1,3-Dichlorobenzene	541-73-1	0.03	No PLER	1.32	1.6	0.06	0.06	-	-	-	-	-
	1,4-Dichlorobenzene	106-46-7	0.02	No PLER	0.318	13	0.07	-	-	-	-	-	-

Notes:

2,3,4,5,6-HpCS	(E)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene
BHC	Hexachlorocyclohexane
BKG	background
CAS	chemical abstract service
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
LWA	length weighted average
Max	maximum
mg/kg	milligrams per kilogram
NA	not analyzed
PAH	polycyclic aromatic hydrocarbon
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
Seg	segment
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
VOC	volatile organic compound
-	Denotes SCOI was not detected at locations (see Attachment 2)
(a)	BKG Max
(b)	SSSL, PLER, ESLB
(c)	Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs)
	Segments 4-7 maximum LWA concentration

Table 7A: Bank Soil LWA Screening: Detected SCOI Data Compared to Screening Criteria (mg/kg)

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria				Segs 4-7 Max	RII-779+50-NE20	RII-782+50-SW33	RII-796+00-NE33	RII-806+00-NE20	RII-811+00-NE16	RJJ-822+00-NE7
			BKG Max (a)	PLER (b)	ESLB (d)	SSSL (d)		Seg 4	Seg 4	Seg 5	Seg 5	Seg 5	Seg 5
Metal	Aluminum	7429-90-5	72000	No PLER	No ESLB	2900	31000.00	5829.41	4098.61	1788.77	2121.08	5910.71	11363.96
	Antimony	7440-36-0	2.5	No PLER	12	8.7	8.35	4.69	6.08	-	-	-	-
	Arsenic	7440-38-2	27.7	150	9.79	150	17.94	9.33	8.03	1.56	3.91	9.36	12.72
	Barium	7440-39-3	580	No PLER	9.02	80	63.00	32.25	21.97	12.78	18.21	23.68	44.80
	Beryllium	7440-41-7	1.8	No PLER	0.553	0.35	0.37	0.17	0.14	0.05	0.08	0.11	0.24
	Boron	7440-42-8	33	No PLER	15	22	20.29	15.88	17.67	7.70	8.38	8.88	10.47
	Cadmium	7440-43-9	2.5	No PLER	0.99	1.4	0.41	0.27	0.20	0.07	-	0.16	0.18
	Calcium	7440-70-2	190000	No PLER	No ESLB	190000	82142.86	21862.75	24105.56	8499.61	12777.37	27714.29	47227.40
	Chromium (total)	7440-47-3	55	No PLER	43.4	160	22.18	10.28	13.53	3.70	4.09	11.70	20.32
	Cobalt	7440-48-4	12	No PLER	50	12.72	17.32	8.69	13.65	1.46	1.78	2.01	3.39
	Copper	7440-50-8	58	No PLER	31.6	190	52.00	26.04	22.32	3.47	4.88	23.91	32.05
	Iron	7439-89-6	38000	No PLER	No ESLB	25000	69000.00	6176.47	17209.72	3429.33	4201.80	7989.29	18615.74
	Lead	7439-92-1	45	No PLER	35.8	260	44.00	14.71	15.33	2.93	7.72	15.07	22.17
	Lithium	7439-93-2	41	No PLER	28.8	7.2	14.14	8.30	4.92	3.01	3.81	5.33	11.16
	Magnesium	7439-95-4	210000	No PLER	No ESLB	31000	53571.43	8766.67	10801.39	9918.63	12015.93	11928.57	17437.38
	Manganese	7439-96-5	1800	No PLER	460	480	2300.00	242.16	148.08	97.84	120.46	146.07	562.35
	Mercury	7439-97-6	0.6	No PLER	0.174	0.72	0.18	0.08	0.09	0.02	0.05	0.08	0.15
	Nickel	7440-02-0	39	No PLER	22.7	79	12.00	8.14	6.06	2.84	3.50	4.91	8.38
	Potassium	7440-09-7	2300	No PLER	No ESLB	No SSSL	1231.72	744.31	444.58	277.20	322.11	460.71	1079.10
	Selenium	7782-49-2	1.2	No PLER	0.025	0.68	0.30	-	0.24	-	-	0.04	-
	Silver	7440-22-4	22.73	No PLER	0.5	0.17	56.75	11.26	2.27	16.22	17.70	8.76	8.75
	Sodium	7440-23-5	12000	No PLER	No ESLB	74	458.39	108.25	46.34	59.42	72.74	86.43	163.11
	Strontium	7440-24-6	240	No PLER	290.5	370	85.00	65.53	31.21	12.68	30.32	40.71	62.62
	Thallium	7440-28-0	3.8	No PLER	0.51	1.682	1.19	0.15	0.88	-	-	-	-
	Tin	7440-31-5	1.3	No PLER	18.25	No SSSL	0.48	0.48	-	-	-	-	-
	Titanium	7440-32-6	2900	No PLER	No ESLB	120	150.00	89.38	86.13	67.32	66.42	67.07	89.29
	Vanadium	7440-62-2	89	No PLER	12	38.02	15.98	9.34	8.69	4.97	5.65	6.57	12.61
	Zinc	7440-66-6	75	No PLER	121	73	120.00	27.44	54.13	10.42	13.70	40.00	50.37
Pesticide	2,4'-DDD	53-19-0	0.11	No PLER	0.00488	No SSSL	0.08	0.03	-	-	-	-	-
	4,4'-DDD	72-54-8	8.5	No PLER	0.00488	0.02	0.13	0.03	-	-	-	-	-
	4,4'-DDE	72-55-9	0.0045	No PLER	0.00316	No SSSL	1.20	0.02	-	-	-	-	-
	4,4'-DDT	50-29-3	0.12	No PLER	0.00416	No SSSL	0.59	0.05	0.02	-	-	0.07	0.06
	alpha-BHC	319-84-6	0.0035	No PLER	0.006	No SSSL	0.20	-	0.01	-	-	-	-
	beta-BHC	319-85-7	0.004	No PLER	0.005	No SSSL	0.10	0.01	-	-	-	-	-
	delta-BHC	319-86-8	0.004	No PLER	71.5	No SSSL	0.02	0.01	-	-	-	-	-
	Dieldrin	60-57-1	0.005	No PLER	0.0019	0.11	0.43	0.08	0.02	-	-	-	-
	Endosulfan I	959-98-8	0.0045	No PLER	0.00326	No SSSL	0.02	0.02	-	-	-	-	-
	Endrin	72-20-8	0.004	No PLER	0.00222	0.07	0.53	0.03	-	-	-	-	-
	Hexachlorobenzene	118-74-1	0.004	No PLER	0.02	No SSSL	5.25	0.18	0.21	0.01	0.01	0.29	0.88
	Octachlorostyrene	29082-74-4	0.004	No PLER	2.6	No SSSL	0.68	0.08	0.07	-	-	-	0.01
	Parathion	56-38-2	0.005	0.36	0.000757	0.36	0.07	-	-	-	-	-	-
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.01	No PLER	2.6	No SSSL	0.99	0.06	0.09	-	-	-	-
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	No PLER	0.56	0.39	0.18	0.03	0.04	-	-	0.07	0.08
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.0025	No PLER	1.25	No SSSL	0.06	-	-	-	-	-	-
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	No PLER	0.129	2.8	0.26	-	-	-	-	0.09	0.03
	2,4,5-Trichlorophenol	95-95-4	0.03	No PLER	0.21348	3.6	0.03	0.03	-	-	-	-	-
	2,4,6-Trichlorophenol	88-06-2	0.03	No PLER	0.208	5.8	0.05	0.03	-	-	-	-	-
	2-Methylnaphthalene	91-57-6	0.28	No PLER	0.0202	No SSSL	0.06	-	0.06	-	-	-	-

Table 7A: Bank Soil LWA Screening: Detected SCOI Data Compared to Screening Criteria (mg/kg)

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria				Segs 4-7 Max	RII-779+50-NE20	RII-782+50-SW33	RII-796+00-NE33	RII-806+00-NE20	RII-811+00-NE16	RJJ-822+00-NE7
			BKG Max (a)	PLER (b)	ESLB (d)	SSSL (d)		Seg 4	Seg 4	Seg 5	Seg 5	Seg 5	Seg 5
	Acenaphthene	83-32-9	0.1	No PLER	0.00671	0.62	0.08	-	0.05	-	0.08	-	0.02
	Acenaphthylene	208-96-8	0.03	No PLER	0.00587	No SSSL	0.06	-	-	-	-	-	0.04
	Aniline	62-53-3	0.05	No PLER	0.00031	No SSSL	0.07	-	-	0.07	-	-	-
	Anthracene	120-12-7	0.14	No PLER	0.0572	0.89	0.17	-	0.17	-	0.13	-	-
	Benzo(a)pyrene	50-32-8	0.58	No PLER	0.15	1.2	0.36	0.10	0.24	-	0.36	0.12	0.26
	Benzo(b)fluoranthene	205-99-2	0.26	No PLER	10.4	1.4	0.56	0.05	0.32	-	0.56	0.09	0.28
	Benzo(g,h,i)perylene	191-24-2	0.03	No PLER	0.17	0.67	0.12	-	0.12	-	0.12	-	-
	Benzo(k)fluoranthene	207-08-9	0.05	No PLER	0.24	0.57	0.39	0.23	0.39	-	-	-	-
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	No PLER	0.182	No SSSL	2.00	-	-	-	-	0.06	0.10
	Carbazole	86-74-8	0.005	No PLER	0.452	0.16	0.03	-	0.03	-	0.03	-	0.01
	Chrysene	218-01-9	0.03	No PLER	0.166	1.5	0.43	0.10	0.21	0.04	0.43	0.10	0.31
	Dibenz(a,h)anthracene	53-70-3	0.05	No PLER	0.033	0.67	0.07	-	0.07	-	-	-	-
	Diethylphthalate	84-66-2	0.055	No PLER	0.295	0.2	0.86	0.86	0.34	-	-	-	-
	Di-n-butyl phthalate	84-74-2	0.055	No PLER	1.11	1.2	0.47	0.39	0.47	-	-	-	-
	Fluoranthene	206-44-0	0.59	No PLER	0.423	4	1.20	0.19	0.35	0.33	1.04	0.45	0.77
	Fluorene	86-73-7	0.34	No PLER	0.0774	0.54	0.33	-	0.09	-	0.32	0.13	0.24
	Hexachlorobutadiene	87-68-3	0.03	No PLER	0.0265	2.2	0.18	-	0.03	-	-	-	0.04
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.0035	No PLER	0.901	No SSSL	0.01	-	-	-	0.01	-	-
	Hexachloroethane	67-72-1	0.03	No PLER	0.584	No SSSL	0.06	-	-	-	-	-	-
	Indeno(1,2,3-cd)pyrene	193-39-5	0.03	No PLER	0.2	0.61	0.05	-	0.05	-	-	-	-
	Isophorone	78-59-1	0.03	No PLER	0.432	No SSSL	0.05	-	-	-	-	-	-
	Naphthalene	91-20-3	0.05	No PLER	0.176	0.4	0.12	-	0.11	-	0.12	0.06	-
	Pentachlorobenzene	608-93-5	0.0035	No PLER	0.024	No SSSL	0.07	0.01	0.01	-	-	0.02	0.03
	Pentachlorophenol	87-86-5	0.03	No PLER	23	2.4	0.24	-	0.08	-	-	-	-
	Phenanthrene	85-01-8	0.58	No PLER	0.204	2.5	1.40	0.15	0.46	-	0.43	0.17	0.25
	Pyrene	129-00-0	0.7	No PLER	0.195	4.2	1.04	0.21	0.43	0.52	1.04	0.56	0.83
	Total Chlorophenols ERA	TCLP_ERA_Dow	0.214	25.7	No ESLB	25.7	0.84	0.40	0.14	-	-	0.21	0.14
	Total Chlororbenzenes ERA	TCLB_ERA_Dow	No Bkg	33.3	No ESLB	33.3	5.86	0.37	0.37	0.12	0.06	0.50	1.22
	Total PAHs ERA	TPAH_ERA_Dow	2.51	15.1	No ESLB	15.1	4.61	1.16	2.32	1.18	3.95	1.72	2.84
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	No PLER	0.117	0.14	0.08	0.01	0.02	-	-	0.01	0.01
	1,2,4-Trichlorobenzene	120-82-1	0.03	No PLER	5.06	1	0.10	0.04	0.03	-	-	0.04	0.04
	1,2-Dichlorobenzene	95-50-1	0.02	No PLER	0.294	11	0.20	-	-	-	-	-	0.14
	1,3-Dichlorobenzene	541-73-1	0.03	No PLER	1.32	1.6	0.06	-	-	-	-	-	-
	1,4-Dichlorobenzene	106-46-7	0.02	No PLER	0.318	13	0.07	0.05	-	-	-	-	-

Notes:

2,3,4,5,6-HpCS	(E)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene
BHC	Hexachlorocyclohexane
BKG	background
CAS	chemical abstract service
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
LWA	length weighted average
Max	maximum
mg/kg	milligrams per kilogram
NA	not analyzed
PAH	polycyclic aromatic hydrocarbon
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
Seg	segment
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
VOC	volatile organic compound
-	Denotes SCOI was not detected at locations (see Attachment 2)
(a)	BKG Max
(b)	SSSL, PLER, ESLB
(c)	Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs)
	Segments 4-7 maximum LWA concentration

Table 7A: Bank Soil LWA Screening: Detected SCOI Data Compared to Screening Criteria (mg/kg)

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria				Segs 4-7 Max	RJJ-842+00-NE4	RJJ-851+50-NE20	RKK-870+50-SW17	RLL-892+00-NE32	RMM-903+50-NE17	RMM-926+00-SW13
			BKG Max (a)	PLER (b)	ESLB (d)	SSSL (d)		Seg 5	Seg 5	Seg 5	Seg 5	Seg 5	Seg 5
Metal	Aluminum	7429-90-5	72000	No PLER	No ESLB	2900	31000.00	13655.17	7957.83	2343.95	10096.00	11693.01	10000.00
	Antimony	7440-36-0	2.5	No PLER	12	8.7	8.35	-	7.18	-	8.35	-	7.00
	Arsenic	7440-38-2	27.7	150	9.79	150	17.94	14.46	17.94	2.67	9.42	5.79	5.10
	Barium	7440-39-3	580	No PLER	9.02	80	63.00	46.55	48.71	15.15	45.25	43.28	56.00
	Beryllium	7440-41-7	1.8	No PLER	0.553	0.35	0.37	0.26	0.27	0.09	0.24	0.37	0.24
	Boron	7440-42-8	33	No PLER	15	22	20.29	11.02	14.18	9.65	18.69	10.25	15.00
	Cadmium	7440-43-9	2.5	No PLER	0.99	1.4	0.41	-	0.41	0.05	0.20	-	0.30
	Calcium	7440-70-2	190000	No PLER	No ESLB	190000	82142.86	54827.59	33156.63	10553.82	37800.00	35203.83	25000.00
	Chromium (total)	7440-47-3	55	No PLER	43.4	160	22.18	19.79	22.18	4.73	12.05	12.30	21.00
	Cobalt	7440-48-4	12	No PLER	50	12.72	17.32	3.66	14.51	1.60	14.24	3.57	15.00
	Copper	7440-50-8	58	No PLER	31.6	190	52.00	34.38	39.96	4.42	14.64	15.77	52.00
	Iron	7439-89-6	38000	No PLER	No ESLB	25000	69000.00	22310.34	14602.41	3821.30	25640.00	15570.71	8600.00
	Lead	7439-92-1	45	No PLER	35.8	260	44.00	25.17	24.57	3.88	13.72	21.33	21.00
	Lithium	7439-93-2	41	No PLER	28.8	7.2	14.14	12.87	11.50	3.81	9.92	11.77	12.00
	Magnesium	7439-95-4	210000	No PLER	No ESLB	31000	53571.43	19827.59	11209.64	9075.80	14960.00	15000.00	13000.00
	Manganese	7439-96-5	1800	No PLER	460	480	2300.00	633.79	310.84	110.00	376.60	366.33	230.00
	Mercury	7439-97-6	0.6	No PLER	0.174	0.72	0.18	0.16	0.18	0.02	0.10	0.10	0.13
	Nickel	7440-02-0	39	No PLER	22.7	79	12.00	9.56	11.26	3.46	8.98	10.29	12.00
	Potassium	7440-09-7	2300	No PLER	No ESLB	No SSSL	1231.72	1231.72	954.10	419.35	951.40	1185.61	970.00
	Selenium	7782-49-2	1.2	No PLER	0.025	0.68	0.30	0.11	0.09	-	0.10	-	0.30
	Silver	7440-22-4	22.73	No PLER	0.5	0.17	56.75	3.12	11.57	17.79	56.75	-	12.00
	Sodium	7440-23-5	12000	No PLER	No ESLB	74	458.39	173.79	168.39	84.00	37.09	175.08	240.00
	Strontium	7440-24-6	240	No PLER	290.5	370	85.00	71.90	83.82	20.11	62.68	46.59	85.00
	Thallium	7440-28-0	3.8	No PLER	0.51	1.682	1.19	-	0.23	-	1.19	-	-
	Tin	7440-31-5	1.3	No PLER	18.25	No SSSL	0.48	-	-	-	-	-	-
	Titanium	7440-32-6	2900	No PLER	No ESLB	120	150.00	106.31	90.72	86.32	94.74	127.75	83.00
	Vanadium	7440-62-2	89	No PLER	12	38.02	15.98	13.41	13.31	6.17	13.33	12.82	12.00
	Zinc	7440-66-6	75	No PLER	121	73	120.00	50.48	48.55	13.28	35.36	37.83	120.00
Pesticide	2,4'-DDD	53-19-0	0.11	No PLER	0.00488	No SSSL	0.08	-	0.08	-	0.05	-	-
	4,4'-DDD	72-54-8	8.5	No PLER	0.00488	0.02	0.13	0.02	0.13	-	0.05	0.11	-
	4,4'-DDE	72-55-9	0.0045	No PLER	0.00316	No SSSL	1.20	-	0.03	-	0.02	0.03	-
	4,4'-DDT	50-29-3	0.12	No PLER	0.00416	No SSSL	0.59	0.08	0.08	-	0.02	0.08	-
	alpha-BHC	319-84-6	0.0035	No PLER	0.006	No SSSL	0.20	-	0.20	-	-	-	-
	beta-BHC	319-85-7	0.004	No PLER	0.005	No SSSL	0.10	-	0.10	-	-	-	-
	delta-BHC	319-86-8	0.004	No PLER	71.5	No SSSL	0.02	-	0.02	-	-	-	-
	Dieldrin	60-57-1	0.005	No PLER	0.0019	0.11	0.43	-	0.03	-	0.05	-	0.08
	Endosulfan I	959-98-8	0.0045	No PLER	0.00326	No SSSL	0.02	-	-	-	-	-	-
	Endrin	72-20-8	0.004	No PLER	0.00222	0.07	0.53	-	0.02	-	0.02	-	-
	Hexachlorobenzene	118-74-1	0.004	No PLER	0.02	No SSSL	5.25	1.11	5.25	0.03	0.25	0.08	0.09
	Octachlorostyrene	29082-74-4	0.004	No PLER	2.6	No SSSL	0.68	-	0.68	-	0.12	-	-
	Parathion	56-38-2	0.005	0.36	0.000757	0.36	0.07	-	0.07	-	0.02	-	0.06
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.01	No PLER	2.6	No SSSL	0.99	-	0.99	-	0.16	-	-
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	No PLER	0.56	0.39	0.18	0.09	0.18	0.01	0.01	0.02	0.10
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.0025	No PLER	1.25	No SSSL	0.06	-	0.06	-	-	-	-
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	No PLER	0.129	2.8	0.26	0.02	-	-	-	-	0.26
	2,4,5-Trichlorophenol	95-95-4	0.03	No PLER	0.21348	3.6	0.03	-	-	-	-	-	-
	2,4,6-Trichlorophenol	88-06-2	0.03	No PLER	0.208	5.8	0.05	-	0.05	-	-	-	-
	2-Methylnaphthalene	91-57-6	0.28	No PLER	0.0202	No SSSL	0.06	-	-	-	-	-	-

Table 7A: Bank Soil LWA Screening: Detected SCOI Data Compared to Screening Criteria (mg/kg)

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria				Segs 4-7 Max	RJJ-842+00-NE4	RJJ-851+50-NE20	RKK-870+50-SW17	RLL-892+00-NE32	RMM-903+50-NE17	RMM-926+00-SW13
			BKG Max (a)	PLER (b)	ESLB (d)	SSSL (d)		Seg 5	Seg 5	Seg 5	Seg 5	Seg 5	Seg 5
	Acenaphthene	83-32-9	0.1	No PLER	0.00671	0.62	0.08	-	-	-	-	-	-
	Acenaphthylene	208-96-8	0.03	No PLER	0.00587	No SSSL	0.06	-	0.06	-	-	-	-
	Aniline	62-53-3	0.05	No PLER	0.00031	No SSSL	0.07	-	-	-	-	-	-
	Anthracene	120-12-7	0.14	No PLER	0.0572	0.89	0.17	-	-	-	0.08	-	-
	Benzo(a)pyrene	50-32-8	0.58	No PLER	0.15	1.2	0.36	0.30	0.26	0.13	0.29	0.04	0.12
	Benzo(b)fluoranthene	205-99-2	0.26	No PLER	10.4	1.4	0.56	0.24	0.10	0.17	0.32	0.04	-
	Benzo(g,h,i)perylene	191-24-2	0.03	No PLER	0.17	0.67	0.12	-	-	-	0.10	-	-
	Benzo(k)fluoranthene	207-08-9	0.05	No PLER	0.24	0.57	0.39	-	0.21	-	0.12	-	-
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	No PLER	0.182	No SSSL	2.00	-	-	-	-	-	2.00
	Carbazole	86-74-8	0.005	No PLER	0.452	0.16	0.03	-	-	-	-	-	-
	Chrysene	218-01-9	0.03	No PLER	0.166	1.5	0.43	0.23	0.30	0.13	0.25	0.04	-
	Dibenz(a,h)anthracene	53-70-3	0.05	No PLER	0.033	0.67	0.07	-	-	-	-	-	-
	Diethylphthalate	84-66-2	0.055	No PLER	0.295	0.2	0.86	-	0.84	-	0.75	-	0.39
	Di-n-butyl phthalate	84-74-2	0.055	No PLER	1.11	1.2	0.47	-	0.43	-	0.30	-	0.12
	Fluoranthene	206-44-0	0.59	No PLER	0.423	4	1.20	0.62	0.19	0.51	0.26	0.40	0.11
	Fluorene	86-73-7	0.34	No PLER	0.0774	0.54	0.33	0.27	0.08	0.23	-	-	-
	Hexachlorobutadiene	87-68-3	0.03	No PLER	0.0265	2.2	0.18	-	0.18	-	-	-	-
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.0035	No PLER	0.901	No SSSL	0.01	-	-	-	-	-	-
	Hexachloroethane	67-72-1	0.03	No PLER	0.584	No SSSL	0.06	0.06	-	-	-	-	-
	Indeno(1,2,3-cd)pyrene	193-39-5	0.03	No PLER	0.2	0.61	0.05	-	0.03	-	-	-	-
	Isophorone	78-59-1	0.03	No PLER	0.432	No SSSL	0.05	-	-	-	-	-	-
	Naphthalene	91-20-3	0.05	No PLER	0.176	0.4	0.12	0.07	0.06	-	-	-	-
	Pentachlorobenzene	608-93-5	0.0035	No PLER	0.024	No SSSL	0.07	0.03	0.07	-	0.01	-	0.02
	Pentachlorophenol	87-86-5	0.03	No PLER	23	2.4	0.24	-	-	-	-	-	-
	Phenanthrene	85-01-8	0.58	No PLER	0.204	2.5	1.40	0.20	0.24	0.44	0.27	-	-
	Pyrene	129-00-0	0.7	No PLER	0.195	4.2	1.04	0.69	0.38	0.65	0.48	0.49	0.14
	Total Chlorophenols ERA	TCLP_ERA_Dow	0.214	25.7	No ESLB	25.7	0.84	0.13	0.29	-	-	-	0.84
	Total Chlororbenzenes ERA	TCLB_ERA_Dow	No Bkg	33.3	No ESLB	33.3	5.86	1.57	5.86	0.13	0.35	0.20	0.36
	Total PAHs ERA	TPAH_ERA_Dow	2.51	15.1	No ESLB	15.1	4.61	2.50	1.80	2.09	1.83	1.24	0.66
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	No PLER	0.117	0.14	0.08	0.01	0.08	-	0.01	-	-
	1,2,4-Trichlorobenzene	120-82-1	0.03	No PLER	5.06	1	0.10	0.05	0.10	-	-	-	-
	1,2-Dichlorobenzene	95-50-1	0.02	No PLER	0.294	11	0.20	0.20	0.12	-	-	-	-
	1,3-Dichlorobenzene	541-73-1	0.03	No PLER	1.32	1.6	0.06	-	-	-	-	-	-
	1,4-Dichlorobenzene	106-46-7	0.02	No PLER	0.318	13	0.07	0.06	0.04	-	-	-	0.07

Notes:

2,3,4,5,6-HpCS	(E)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene
BHC	Hexachlorocyclohexane
BKG	background
CAS	chemical abstract service
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
LWA	length weighted average
Max	maximum
mg/kg	milligrams per kilogram
NA	not analyzed
PAH	polycyclic aromatic hydrocarbon
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
Seg	segment
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
VOC	volatile organic compound
-	Denotes SCOI was not detected at locations (see Attachment 2)
(a)	BKG Max
(b)	SSSL, PLER, ESLB
(c)	Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs)
	Segments 4-7 maximum LWA concentration

Table 7A: Bank Soil LWA Screening: Detected SCOI Data Compared to Screening Criteria (mg/kg)

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria				Segs 4-7 Max	RNN-954+50-SW7	RPP-993+00-SW19	RRR-1034+00-SW41	RRR-1040+50-NE21	RSS-1078+50-NE10	RSS-1078+50-SW22
			BKG Max (a)	PLER (b)	ESLB (d)	SSSL (d)		Seg 6	Seg 6	Seg 6	Seg 6	Seg 6	Seg 6
Metal	Aluminum	7429-90-5	72000	No PLER	No ESLB	2900	31000.00	11000.00	2504.26	30000.00	1735.81	31000.00	2258.62
	Antimony	7440-36-0	2.5	No PLER	12	8.7	8.35	-	-	-	-	-	-
	Arsenic	7440-38-2	27.7	150	9.79	150	17.94	9.99	6.37	7.20	5.83	5.50	14.08
	Barium	7440-39-3	580	No PLER	9.02	80	63.00	27.73	19.26	61.00	14.14	56.00	29.62
	Beryllium	7440-41-7	1.8	No PLER	0.553	0.35	0.37	0.14	0.10	0.31	0.06	0.30	0.15
	Boron	7440-42-8	33	No PLER	15	22	20.29	11.16	10.16	15.00	8.91	16.00	10.67
	Cadmium	7440-43-9	2.5	No PLER	0.99	1.4	0.41	-	0.15	-	-	-	0.06
	Calcium	7440-70-2	190000	No PLER	No ESLB	190000	82142.86	56732.14	39670.21	8900.00	12721.62	65000.00	15810.34
	Chromium (total)	7440-47-3	55	No PLER	43.4	160	22.18	9.91	8.72	15.00	5.36	12.00	13.26
	Cobalt	7440-48-4	12	No PLER	50	12.72	17.32	2.45	1.90	4.30	1.66	5.00	2.63
	Copper	7440-50-8	58	No PLER	31.6	190	52.00	19.84	12.41	23.00	6.67	12.00	25.68
	Iron	7439-89-6	38000	No PLER	No ESLB	25000	69000.00	20598.21	5048.94	53000.00	4605.41	69000.00	14763.79
	Lead	7439-92-1	45	No PLER	35.8	260	44.00	15.09	9.94	19.00	5.66	11.00	14.54
	Lithium	7439-93-2	41	No PLER	28.8	7.2	14.14	6.04	4.43	12.00	2.84	14.00	5.94
	Magnesium	7439-95-4	210000	No PLER	No ESLB	31000	53571.43	26607.14	15702.13	24000.00	13263.51	50000.00	8422.41
	Manganese	7439-96-5	1800	No PLER	460	480	2300.00	603.39	273.91	1100.00	83.74	2300.00	270.14
	Mercury	7439-97-6	0.6	No PLER	0.174	0.72	0.18	0.11	0.08	0.12	0.04	0.07	0.11
	Nickel	7440-02-0	39	No PLER	22.7	79	12.00	5.47	4.18	10.00	2.87	11.00	6.52
	Potassium	7440-09-7	2300	No PLER	No ESLB	No SSSL	1231.72	415.71	431.49	750.00	198.38	1100.00	418.62
	Selenium	7782-49-2	1.2	No PLER	0.025	0.68	0.30	-	-	-	-	-	0.06
	Silver	7440-22-4	22.73	No PLER	0.5	0.17	56.75	-	-	-	-	-	-
	Sodium	7440-23-5	12000	No PLER	No ESLB	74	458.39	99.91	78.43	120.00	57.20	150.00	80.07
	Strontium	7440-24-6	240	No PLER	290.5	370	85.00	52.43	27.94	39.00	19.16	36.00	47.50
	Thallium	7440-28-0	3.8	No PLER	0.51	1.682	1.19	-	-	-	-	-	-
	Tin	7440-31-5	1.3	No PLER	18.25	No SSSL	0.48	-	-	-	-	-	-
	Titanium	7440-32-6	2900	No PLER	No ESLB	120	150.00	65.05	109.57	53.00	47.39	64.00	76.00
	Vanadium	7440-62-2	89	No PLER	12	38.02	15.98	7.53	6.51	14.00	4.26	15.00	7.32
	Zinc	7440-66-6	75	No PLER	121	73	120.00	25.00	23.15	52.00	14.59	43.00	44.86
Pesticide	2,4'-DDD	53-19-0	0.11	No PLER	0.00488	No SSSL	0.08	-	-	-	-	-	-
	4,4'-DDD	72-54-8	8.5	No PLER	0.00488	0.02	0.13	0.01	-	-	0.01	-	0.02
	4,4'-DDE	72-55-9	0.0045	No PLER	0.00316	No SSSL	1.20	-	-	0.07	0.01	-	0.04
	4,4'-DDT	50-29-3	0.12	No PLER	0.00416	No SSSL	0.59	0.07	0.03	-	0.03	-	0.08
	alpha-BHC	319-84-6	0.0035	No PLER	0.006	No SSSL	0.20	-	-	-	-	-	-
	beta-BHC	319-85-7	0.004	No PLER	0.005	No SSSL	0.10	-	-	-	-	-	-
	delta-BHC	319-86-8	0.004	No PLER	71.5	No SSSL	0.02	-	-	-	-	-	-
	Dieldrin	60-57-1	0.005	No PLER	0.0019	0.11	0.43	-	-	-	-	-	-
	Endosulfan I	959-98-8	0.0045	No PLER	0.00326	No SSSL	0.02	-	-	-	-	-	-
	Endrin	72-20-8	0.004	No PLER	0.00222	0.07	0.53	-	-	-	-	-	-
	Hexachlorobenzene	118-74-1	0.004	No PLER	0.02	No SSSL	5.25	0.37	0.09	0.03	0.10	-	0.37
	Octachlorostyrene	29082-74-4	0.004	No PLER	2.6	No SSSL	0.68	0.02	0.01	-	0.01	-	0.01
	Parathion	56-38-2	0.005	0.36	0.000757	0.36	0.07	-	-	-	-	-	-
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.01	No PLER	2.6	No SSSL	0.99	-	0.05	-	-	-	0.03
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	No PLER	0.56	0.39	0.18	0.05	0.03	-	0.03	-	0.05
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.0025	No PLER	1.25	No SSSL	0.06	-	-	-	-	-	-
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	No PLER	0.129	2.8	0.26	-	-	-	-	-	-
	2,4,5-Trichlorophenol	95-95-4	0.03	No PLER	0.21348	3.6	0.03	-	-	-	-	-	-
	2,4,6-Trichlorophenol	88-06-2	0.03	No PLER	0.208	5.8	0.05	-	-	-	-	-	-
	2-Methylnaphthalene	91-57-6	0.28	No PLER	0.0202	No SSSL	0.06	-	-	-	-	-	-

Table 7A: Bank Soil LWA Screening: Detected SCOI Data Compared to Screening Criteria (mg/kg)

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria				Segs 4-7 Max	RNN-954+50-SW7	RPP-993+00-SW19	RRR-1034+00-SW41	RRR-1040+50-NE21	RSS-1078+50-NE10	RSS-1078+50-SW22
			BKG Max (a)	PLER (b)	ESLB (d)	SSSL (d)		Seg 6	Seg 6	Seg 6	Seg 6	Seg 6	Seg 6
	Acenaphthene	83-32-9	0.1	No PLER	0.00671	0.62	0.08	0.02	-	-	-	-	-
	Acenaphthylene	208-96-8	0.03	No PLER	0.00587	No SSSL	0.06	-	-	-	-	-	-
	Aniline	62-53-3	0.05	No PLER	0.00031	No SSSL	0.07	-	-	-	-	-	-
	Anthracene	120-12-7	0.14	No PLER	0.0572	0.89	0.17	-	-	-	-	-	-
	Benzo(a)pyrene	50-32-8	0.58	No PLER	0.15	1.2	0.36	0.16	-	-	0.11	-	0.04
	Benzo(b)fluoranthene	205-99-2	0.26	No PLER	10.4	1.4	0.56	0.15	-	-	0.05	-	-
	Benzo(g,h,i)perylene	191-24-2	0.03	No PLER	0.17	0.67	0.12	0.05	-	-	-	-	-
	Benzo(k)fluoranthene	207-08-9	0.05	No PLER	0.24	0.57	0.39	-	-	-	-	-	-
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	No PLER	0.182	No SSSL	2.00	0.07	-	-	-	-	-
	Carbazole	86-74-8	0.005	No PLER	0.452	0.16	0.03	-	-	-	-	-	-
	Chrysene	218-01-9	0.03	No PLER	0.166	1.5	0.43	0.21	-	0.09	0.11	0.06	0.06
	Dibenz(a,h)anthracene	53-70-3	0.05	No PLER	0.033	0.67	0.07	-	-	-	-	-	-
	Diethylphthalate	84-66-2	0.055	No PLER	0.295	0.2	0.86	-	-	-	-	-	-
	Di-n-butyl phthalate	84-74-2	0.055	No PLER	1.11	1.2	0.47	-	-	-	-	-	-
	Fluoranthene	206-44-0	0.59	No PLER	0.423	4	1.20	0.62	0.31	0.40	0.46	0.41	0.35
	Fluorene	86-73-7	0.34	No PLER	0.0774	0.54	0.33	0.21	-	-	0.17	-	0.06
	Hexachlorobutadiene	87-68-3	0.03	No PLER	0.0265	2.2	0.18	-	-	-	-	-	-
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.0035	No PLER	0.901	No SSSL	0.01	-	-	-	-	-	-
	Hexachloroethane	67-72-1	0.03	No PLER	0.584	No SSSL	0.06	-	-	-	-	-	-
	Indeno(1,2,3-cd)pyrene	193-39-5	0.03	No PLER	0.2	0.61	0.05	-	-	-	-	-	-
	Isophorone	78-59-1	0.03	No PLER	0.432	No SSSL	0.05	-	-	-	-	-	-
	Naphthalene	91-20-3	0.05	No PLER	0.176	0.4	0.12	-	-	-	-	-	-
	Pentachlorobenzene	608-93-5	0.0035	No PLER	0.024	No SSSL	0.07	0.02	-	-	-	-	0.01
	Pentachlorophenol	87-86-5	0.03	No PLER	23	2.4	0.24	0.02	-	-	-	-	0.01
	Phenanthrene	85-01-8	0.58	No PLER	0.204	2.5	1.40	0.26	-	-	0.14	-	-
	Pyrene	129-00-0	0.7	No PLER	0.195	4.2	1.04	0.54	0.45	0.56	0.43	0.58	0.50
	Total Chlorophenols ERA	TCLP_ERA_Dow	0.214	25.7	No ESLB	25.7	0.84	0.14	-	-	-	-	0.10
	Total Chlororbenzenes ERA	TCLB_ERA_Dow	No Bkg	33.3	No ESLB	33.3	5.86	0.59	0.21	0.14	0.21	-	0.52
	Total PAHs ERA	TPAH_ERA_Dow	2.51	15.1	No ESLB	15.1	4.61	2.19	1.08	1.34	1.60	1.34	1.25
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	No PLER	0.117	0.14	0.08	0.01	-	-	-	-	-
	1,2,4-Trichlorobenzene	120-82-1	0.03	No PLER	5.06	1	0.10	-	-	-	-	-	-
	1,2-Dichlorobenzene	95-50-1	0.02	No PLER	0.294	11	0.20	0.07	-	-	-	-	-
	1,3-Dichlorobenzene	541-73-1	0.03	No PLER	1.32	1.6	0.06	-	-	-	-	-	-
	1,4-Dichlorobenzene	106-46-7	0.02	No PLER	0.318	13	0.07	-	-	-	-	-	-

Notes:

2,3,4,5,6-HpCS	(E)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene
BHC	Hexachlorocyclohexane
BKG	background
CAS	chemical abstract service
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
LWA	length weighted average
Max	maximum
mg/kg	milligrams per kilogram
NA	not analyzed
PAH	polycyclic aromatic hydrocarbon
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
Seg	segment
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
VOC	volatile organic compound
-	Denotes SCOI was not detected at locations (see Attachment 2)
(a)	BKG Max
(b)	SSSL, PLER, ESLB
(c)	Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs)
	Segments 4-7 maximum LWA concentration

Table 7A: Bank Soil LWA Screening: Detected SCOI Data Compared to Screening Criteria (mg/kg)

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria				Segs 4-7 Max	RTT-1107+50-NE22	RXX-1238+00-NE14	RXX-1254+50-NE39
			BKG Max (a)	PLER (b)	ESLB (d)	SSSL (d)		Seg 7	Seg 7	Seg 7
Metal	Aluminum	7429-90-5	72000	No PLER	No ESLB	2900	31000.00	10914.65	28285.71	8700.00
	Antimony	7440-36-0	2.5	No PLER	12	8.7	8.35	-	-	-
	Arsenic	7440-38-2	27.7	150	9.79	150	17.94	3.83	12.39	7.60
	Barium	7440-39-3	580	No PLER	9.02	80	63.00	30.32	46.88	63.00
	Beryllium	7440-41-7	1.8	No PLER	0.553	0.35	0.37	0.15	0.26	0.26
	Boron	7440-42-8	33	No PLER	15	22	20.29	10.01	14.19	7.80
	Cadmium	7440-43-9	2.5	No PLER	0.99	1.4	0.41	-	-	0.36
	Calcium	7440-70-2	190000	No PLER	No ESLB	190000	82142.86	29827.46	82142.86	13000.00
	Chromium (total)	7440-47-3	55	No PLER	43.4	160	22.18	7.50	13.16	12.00
	Cobalt	7440-48-4	12	No PLER	50	12.72	17.32	2.63	4.27	3.20
	Copper	7440-50-8	58	No PLER	31.6	190	52.00	5.54	17.28	14.00
	Iron	7439-89-6	38000	No PLER	No ESLB	25000	69000.00	25125.66	66833.33	14000.00
	Lead	7439-92-1	45	No PLER	35.8	260	44.00	4.95	12.75	44.00
	Lithium	7439-93-2	41	No PLER	28.8	7.2	14.14	6.37	11.80	8.10
	Magnesium	7439-95-4	210000	No PLER	No ESLB	31000	53571.43	22062.54	53571.43	10000.00
	Manganese	7439-96-5	1800	No PLER	460	480	2300.00	961.31	1201.19	490.00
	Mercury	7439-97-6	0.6	No PLER	0.174	0.72	0.18	0.03	0.11	0.07
	Nickel	7440-02-0	39	No PLER	22.7	79	12.00	5.29	9.85	7.80
	Potassium	7440-09-7	2300	No PLER	No ESLB	No SSSL	1231.72	417.35	756.90	780.00
	Selenium	7782-49-2	1.2	No PLER	0.025	0.68	0.30	-	-	-
	Silver	7440-22-4	22.73	No PLER	0.5	0.17	56.75	-	-	-
	Sodium	7440-23-5	12000	No PLER	No ESLB	74	458.39	96.61	201.19	110.00
	Strontium	7440-24-6	240	No PLER	290.5	370	85.00	20.02	60.62	22.00
	Thallium	7440-28-0	3.8	No PLER	0.51	1.682	1.19	-	-	-
	Tin	7440-31-5	1.3	No PLER	18.25	No SSSL	0.48	-	-	-
	Titanium	7440-32-6	2900	No PLER	No ESLB	120	150.00	76.30	72.40	120.00
	Vanadium	7440-62-2	89	No PLER	12	38.02	15.98	8.21	12.88	12.00
	Zinc	7440-66-6	75	No PLER	121	73	120.00	18.29	38.93	59.00
Pesticide	2,4'-DDD	53-19-0	0.11	No PLER	0.00488	No SSSL	0.08	-	-	-
	4,4'-DDD	72-54-8	8.5	No PLER	0.00488	0.02	0.13	-	-	0.04
	4,4'-DDE	72-55-9	0.0045	No PLER	0.00316	No SSSL	1.20	-	0.02	1.20
	4,4'-DDT	50-29-3	0.12	No PLER	0.00416	No SSSL	0.59	0.01	0.03	0.59
	alpha-BHC	319-84-6	0.0035	No PLER	0.006	No SSSL	0.20	-	-	-
	beta-BHC	319-85-7	0.004	No PLER	0.005	No SSSL	0.10	-	-	-
	delta-BHC	319-86-8	0.004	No PLER	71.5	No SSSL	0.02	-	-	-
	Dieldrin	60-57-1	0.005	No PLER	0.0019	0.11	0.43	-	-	-
	Endosulfan I	959-98-8	0.0045	No PLER	0.00326	No SSSL	0.02	-	-	-
	Endrin	72-20-8	0.004	No PLER	0.00222	0.07	0.53	-	-	-
	Hexachlorobenzene	118-74-1	0.004	No PLER	0.02	No SSSL	5.25	0.06	0.04	0.07
	Octachlorostyrene	29082-74-4	0.004	No PLER	2.6	No SSSL	0.68	-	0.01	-
	Parathion	56-38-2	0.005	0.36	0.000757	0.36	0.07	-	-	-
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.01	No PLER	2.6	No SSSL	0.99	-	-	-
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	No PLER	0.56	0.39	0.18	-	0.02	-
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.0025	No PLER	1.25	No SSSL	0.06	-	-	-
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	No PLER	0.129	2.8	0.26	-	-	-
	2,4,5-Trichlorophenol	95-95-4	0.03	No PLER	0.21348	3.6	0.03	-	-	-
	2,4,6-Trichlorophenol	88-06-2	0.03	No PLER	0.208	5.8	0.05	-	-	-
	2-Methylnaphthalene	91-57-6	0.28	No PLER	0.0202	No SSSL	0.06	-	-	-

Table 7A: Bank Soil LWA Screening: Detected SCOI Data Compared to Screening Criteria (mg/kg)

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Screening Criteria				Segs 4-7 Max	RTT-1107+50-NE22	RXX-1238+00-NE14	RXX-1254+50-NE39
			BKG Max (a)	PLER (b)	ESLB (d)	SSSL (d)		Seg 7	Seg 7	Seg 7
	Acenaphthene	83-32-9	0.1	No PLER	0.00671	0.62	0.08	-	-	-
	Acenaphthylene	208-96-8	0.03	No PLER	0.00587	No SSSL	0.06	-	-	-
	Aniline	62-53-3	0.05	No PLER	0.00031	No SSSL	0.07	-	-	-
	Anthracene	120-12-7	0.14	No PLER	0.0572	0.89	0.17	-	-	-
	Benzo(a)pyrene	50-32-8	0.58	No PLER	0.15	1.2	0.36	0.06	0.06	0.19
	Benzo(b)fluoranthene	205-99-2	0.26	No PLER	10.4	1.4	0.56	0.13	0.09	0.38
	Benzo(g,h,i)perylene	191-24-2	0.03	No PLER	0.17	0.67	0.12	0.05	-	-
	Benzo(k)fluoranthene	207-08-9	0.05	No PLER	0.24	0.57	0.39	-	-	-
	bis(2-Ethylhexyl)phthalate	117-81-7	0.05	No PLER	0.182	No SSSL	2.00	0.06	0.08	-
	Carbazole	86-74-8	0.005	No PLER	0.452	0.16	0.03	-	-	-
	Chrysene	218-01-9	0.03	No PLER	0.166	1.5	0.43	0.03	0.09	0.17
	Dibenz(a,h)anthracene	53-70-3	0.05	No PLER	0.033	0.67	0.07	-	-	-
	Diethylphthalate	84-66-2	0.055	No PLER	0.295	0.2	0.86	-	-	-
	Di-n-butyl phthalate	84-74-2	0.055	No PLER	1.11	1.2	0.47	-	-	-
	Fluoranthene	206-44-0	0.59	No PLER	0.423	4	1.20	0.32	0.32	0.74
	Fluorene	86-73-7	0.34	No PLER	0.0774	0.54	0.33	0.09	0.10	0.33
	Hexachlorobutadiene	87-68-3	0.03	No PLER	0.0265	2.2	0.18	-	-	-
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.0035	No PLER	0.901	No SSSL	0.01	-	-	-
	Hexachloroethane	67-72-1	0.03	No PLER	0.584	No SSSL	0.06	-	-	-
	Indeno(1,2,3-cd)pyrene	193-39-5	0.03	No PLER	0.2	0.61	0.05	-	-	-
	Isophorone	78-59-1	0.03	No PLER	0.432	No SSSL	0.05	-	-	-
	Naphthalene	91-20-3	0.05	No PLER	0.176	0.4	0.12	-	-	-
	Pentachlorobenzene	608-93-5	0.0035	No PLER	0.024	No SSSL	0.07	-	0.01	-
	Pentachlorophenol	87-86-5	0.03	No PLER	23	2.4	0.24	-	-	-
	Phenanthrene	85-01-8	0.58	No PLER	0.204	2.5	1.40	0.40	0.09	-
	Pyrene	129-00-0	0.7	No PLER	0.195	4.2	1.04	0.37	0.59	0.77
	Total Chlorophenols ERA	TCLP_ERA_Dow	0.214	25.7	No ESLB	25.7	0.84	-	-	-
	Total Chlororbenzenes ERA	TCLB_ERA_Dow	No Bkg	33.3	No ESLB	33.3	5.86	0.11	0.14	0.18
	Total PAHs ERA	TPAH_ERA_Dow	2.51	15.1	No ESLB	15.1	4.61	1.32	1.43	2.43
VOC	1,2,3-Trichlorobenzene	87-61-6	0.005	No PLER	0.117	0.14	0.08	-	-	-
	1,2,4-Trichlorobenzene	120-82-1	0.03	No PLER	5.06	1	0.10	-	-	-
	1,2-Dichlorobenzene	95-50-1	0.02	No PLER	0.294	11	0.20	-	-	-
	1,3-Dichlorobenzene	541-73-1	0.03	No PLER	1.32	1.6	0.06	-	-	-
	1,4-Dichlorobenzene	106-46-7	0.02	No PLER	0.318	13	0.07	-	-	-

Notes:

2,3,4,5,6-HpCS	(E)-Alpha,Beta-2,3,4,5,6-Heptachlorostyrene
BHC	Hexachlorocyclohexane
BKG	background
CAS	chemical abstract service
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
LWA	length weighted average
Max	maximum
mg/kg	milligrams per kilogram
NA	not analyzed
PAH	polycyclic aromatic hydrocarbon
PLER	potential level for ecological risk
SCOI	secondary constituent of interest
Seg	segment
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
VOC	volatile organic compound
-	Denotes SCOI was not detected at locations (see Attachment 2)
(a)	BKG Max
(b)	SSSL, PLER, ESLB
(c)	Analytes combined into total mixture (Total chlorobenzenes, Total chlorophenols, Total PAHs)
	Segments 4-7 maximum LWA concentration

Table 7B: Bank Soil LWA Screening: Detected SCOI Screening Summary by Location

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RBB-607+00-SW12	RBB-614+50-SW4	RCC-639+00-SW9	RFF-719+00-SW33	RFF-721+50-SW9	RHH-761+00-NE24	RII-779+50-NE20	RII-782+50-SW33	RII-796+00-NE33
			Seg 4	Seg 4	Seg 4	Seg 4	Seg 4	Seg 4	Seg 4	Seg 4	Seg 5
Metal	Aluminum	7429-90-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Antimony	7440-36-0	<ESLB & SSSL	<BKG	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	<ESLB & SSSL	--
	Arsenic	7440-38-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Barium	7440-39-3	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Beryllium	7440-41-7	<BKG	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Boron	7440-42-8	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Cadmium	7440-43-9	<BKG	<BKG	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG
	Calcium	7440-70-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Chromium (total)	7440-47-3	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Cobalt	7440-48-4	<BKG	<ESLB & SSSL	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG
	Copper	7440-50-8	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Iron	7439-89-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Lead	7439-92-1	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Lithium	7439-93-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Magnesium	7439-95-4	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Manganese	7439-96-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Mercury	7439-97-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Nickel	7440-02-0	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Potassium	7440-09-7	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Selenium	7782-49-2	--	--	<BKG	<BKG	--	--	--	<BKG	--
	Silver	7440-22-4	<BKG	--	<BKG	<BKG	--	<BKG	<BKG	<BKG	<BKG
	Sodium	7440-23-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Strontium	7440-24-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Thallium	7440-28-0	--	<BKG	<BKG	<BKG	<BKG	--	<BKG	<BKG	--
	Tin	7440-31-5	--	--	--	--	--	--	<BKG	--	--
	Titanium	7440-32-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Vanadium	7440-62-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Zinc	7440-66-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
Pesticide	2,4'-DDD	53-19-0	--	--	--	--	--	--	<BKG	--	--
	4,4'-DDD	72-54-8	--	--	--	--	--	--	<BKG	--	--
	4,4'-DDE	72-55-9	--	--	X	X	--	--	X	--	--
	4,4'-DDT	50-29-3	--	--	<BKG	<BKG	--	--	<BKG	<BKG	--
	alpha-BHC	319-84-6	--	--	--	--	--	--	--	X	--
	beta-BHC	319-85-7	--	--	--	--	--	--	X	--	--
	delta-BHC	319-86-8	--	--	--	--	--	--	<ESLB & SSSL	--	--
	Dieldrin	60-57-1	<ESLB & SSSL	X	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	<ESLB & SSSL	--
	Endosulfan I	959-98-8	--	--	--	--	--	--	X	--	--
	Endrin	72-20-8	X	X	<ESLB & SSSL	--	--	--	<ESLB & SSSL	--	--
	Hexachlorobenzene	118-74-1	X	--	X	<ESLB & SSSL	<ESLB & SSSL	X	X	X	<ESLB & SSSL
	Octachlorostyrene	29082-74-4	<ESLB & SSSL	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	<ESLB & SSSL	--
	Parathion	56-38-2	--	--	<PLER	<PLER	<PLER	--	--	--	--
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	<ESLB & SSSL	--	<ESLB & SSSL	--	--	--	<ESLB & SSSL	<ESLB & SSSL	--
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	<ESLB & SSSL	--
	1,2,4,5-Tetrachlorobenzene	95-94-3	--	--	--	--	--	--	--	--	--
	2,3,4,6-Tetrachlorophenol	58-90-2	--	--	--	--	--	--	--	--	--
	2,4,5-Trichlorophenol	95-95-4	--	--	--	--	--	--	<BKG	--	--
	2,4,6-Trichlorophenol	88-06-2	--	--	--	--	--	--	<ESLB & SSSL	--	--
	2-Methylnaphthalene	91-57-6	--	--	--	--	--	--	--	<BKG	--
	Acenaphthene	83-32-9	--	--	--	--	--	<BKG	--	<BKG	--
	Acenaphthylene	208-96-8	--	--	--	--	--	--	--	--	--
	Aniline	62-53-3	--	--	--	--	--	--	--	--	X
	Anthracene	120-12-7	--	--	--	--	--	--	--	<ESLB & SSSL	--
	Benzo(a)pyrene	50-32-8	--	--	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	--
	Benzo(b)fluoranthene	205-99-2	--	--	<BKG	<BKG	--	<ESLB & SSSL	<BKG	<ESLB & SSSL	--
	Benzo(g,h,i)perylene	191-24-2	--	--	--	--	--	--	--	<ESLB & SSSL	--
	Benzo(k)fluoranthene	207-08-9	--	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	<ESLB & SSSL	--
	bis(2-Ethylhexyl)phthalate	117-81-7	--	--	--	--	--	--	--	--	--
	Carbazole	86-74-8	--	--	--	--	--	--	--	<ESLB & SSSL	--
	Chrysene	218-01-9	--	--	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL
	Dibenz(a,h)anthracene	53-70-3	--	--	--	--	--	--	--	<ESLB & SSSL	--
	Diethylphthalate	84-66-2	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	X	--	X	X	--

Table 7B: Bank Soil LWA Screening: Detected SCOI Screening Summary by Location

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RBB-607+00-SW12	RBB-614+50-SW4	RCC-639+00-SW9	RFF-719+00-SW33	RFF-721+50-SW9	RHH-761+00-NE24	RII-779+50-NE20	RII-782+50-SW33	RII-796+00-NE33
			Seg 4	Seg 4	Seg 4	Seg 4	Seg 4	Seg 4	Seg 4	Seg 4	Seg 5
	Di-n-butyl phthalate	84-74-2	--	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	<ESLB & SSSL	--
	Fluoranthene	206-44-0	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG
	Fluorene	86-73-7	--	--	--	--	--	<BKG	--	<BKG	--
	Hexachlorobutadiene	87-68-3	--	--	--	--	--	--	--	<ESLB & SSSL	--
	HEXACHLOROCYCLOPENTADIENE	77-47-4	--	--	--	--	--	--	--	--	--
	Hexachloroethane	67-72-1	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	193-39-5	--	--	<ESLB & SSSL	--	--	--	--	<ESLB & SSSL	--
	Isophorone	78-59-1	--	--	--	--	<ESLB & SSSL	--	--	--	--
	Naphthalene	91-20-3	--	--	<ESLB & SSSL	--	--	--	--	<ESLB & SSSL	--
	Pentachlorobenzene	608-93-5	<ESLB & SSSL	X	<ESLB & SSSL	--	--	--	<ESLB & SSSL	<ESLB & SSSL	--
	Pentachlorophenol	87-86-5	--	--	--	<ESLB & SSSL	<ESLB & SSSL	--	--	<ESLB & SSSL	--
	Phenanthrene	85-01-8	--	--	<BKG	<BKG	--	<ESLB & SSSL	<BKG	<BKG	--
	Pyrene	129-00-0	--	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG
	Total Chlorophenols ERA	TCLP_ERA_Dow	--	--	--	<PLER	<PLER	--	<PLER	<BKG	--
	Total Chlororbenzenes ERA	TCLB_ERA_Dow	<PLER	<PLER	<PLER	<PLER	<PLER	<PLER	<PLER	<PLER	<PLER
	Total PAHs ERA	TPAH_ERA_Dow	<BKG	<BKG	<BKG	<BKG	<BKG	<PLER	<BKG	<BKG	<BKG
VOC	1,2,3-Trichlorobenzene	87-61-6	<ESLB & SSSL	--	<ESLB & SSSL	<BKG	--	--	<ESLB & SSSL	<ESLB & SSSL	--
	1,2,4-Trichlorobenzene	120-82-1	<ESLB & SSSL	--	<ESLB & SSSL	--	--	--	<ESLB & SSSL	<BKG	--
	1,2-Dichlorobenzene	95-50-1	--	--	--	--	--	--	--	--	--
	1,3-Dichlorobenzene	541-73-1	<ESLB & SSSL	--	--	--	--	--	--	--	--
	1,4-Dichlorobenzene	106-46-7	--	--	--	--	--	--	<ESLB & SSSL	--	--

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
NA	not analyzed
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SSSL	site-specific screening level
SCOI	secondary constituent of interest
SVOC	semi-volatile organic compound
VOC	volatile organic compound
X	Denotes SCOI and sampling location that did not screen out based on the comparison to criteria in screening process
-	Denotes SCOI was either not analyzed or not detected at locations (see table 4 and Attachment 4)

Table 7B: Bank Soil LWA Screening: Detected SCOI Screening Summary by Location

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RII-806+00-NE20	RII-811+00-NE16	RJJ-822+00-NE7	RJJ-842+00-NE4	RJJ-851+50-NE20	RKK-870+50-SW17	RLL-892+00-NE32	RMM-903+50-NE17	RMM-926+00-SW13
			Seg 5	Seg 5	Seg 5	Seg 5	Seg 5	Seg 5	Seg 5	Seg 5	Seg 5
Metal	Aluminum	7429-90-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Antimony	7440-36-0	--	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	<ESLB & SSSL
	Arsenic	7440-38-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Barium	7440-39-3	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Beryllium	7440-41-7	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Boron	7440-42-8	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Cadmium	7440-43-9	--	<BKG	<BKG	--	<BKG	<BKG	<BKG	--	<BKG
	Calcium	7440-70-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Chromium (total)	7440-47-3	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Cobalt	7440-48-4	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	<ESLB & SSSL	<BKG	<ESLB & SSSL
	Copper	7440-50-8	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Iron	7439-89-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Lead	7439-92-1	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Lithium	7439-93-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Magnesium	7439-95-4	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Manganese	7439-96-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Mercury	7439-97-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Nickel	7440-02-0	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Potassium	7440-09-7	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Selenium	7782-49-2	--	<BKG	--	<BKG	<BKG	--	<BKG	--	<BKG
	Silver	7440-22-4	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	X	--	<BKG
	Sodium	7440-23-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Strontium	7440-24-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Thallium	7440-28-0	--	--	--	--	<BKG	--	<BKG	--	--
	Tin	7440-31-5	--	--	--	--	--	--	--	--	--
	Titanium	7440-32-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Vanadium	7440-62-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Zinc	7440-66-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL
Pesticide	2,4'-DDD	53-19-0	--	--	--	--	<BKG	--	<BKG	--	--
	4,4'-DDD	72-54-8	--	--	--	<BKG	<BKG	--	<BKG	<BKG	--
	4,4'-DDE	72-55-9	--	--	--	--	X	--	X	X	--
	4,4'-DDT	50-29-3	--	<BKG	<BKG	<BKG	<BKG	--	<BKG	<BKG	--
	alpha-BHC	319-84-6	--	--	--	--	X	--	--	--	--
	beta-BHC	319-85-7	--	--	--	--	X	--	--	--	--
	delta-BHC	319-86-8	--	--	--	--	<ESLB & SSSL	--	--	--	--
	Dieldrin	60-57-1	--	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	<ESLB & SSSL
	Endosulfan I	959-98-8	--	--	--	--	--	--	--	--	--
	Endrin	72-20-8	--	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	--
	Hexachlorobenzene	118-74-1	<ESLB & SSSL	X	X	X	X	X	X	X	X
	Octachlorostyrene	29082-74-4	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	<ESLB & SSSL	--	--
	Parathion	56-38-2	--	--	--	--	<PLER	--	<PLER	--	<PLER
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	--	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	--
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL
	1,2,4,5-Tetrachlorobenzene	95-94-3	--	--	--	--	<ESLB & SSSL	--	--	--	--
	2,3,4,6-Tetrachlorophenol	58-90-2	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	--	--	--	<ESLB & SSSL
	2,4,5-Trichlorophenol	95-95-4	--	--	--	--	--	--	--	--	--
	2,4,6-Trichlorophenol	88-06-2	--	--	--	--	<ESLB & SSSL	--	--	--	--
	2-Methylnaphthalene	91-57-6	--	--	--	--	--	--	--	--	--
	Acenaphthene	83-32-9	<BKG	--	<BKG	--	--	--	--	--	--
	Acenaphthylene	208-96-8	--	--	X	--	X	--	--	--	--
	Aniline	62-53-3	--	--	--	--	--	--	--	--	--
	Anthracene	120-12-7	<BKG	--	--	--	--	--	<BKG	--	--
	Benzo(a)pyrene	50-32-8	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Benzo(b)fluoranthene	205-99-2	<ESLB & SSSL	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<ESLB & SSSL	<BKG	--
	Benzo(g,h,i)perylene	191-24-2	<ESLB & SSSL	--	--	--	--	--	<ESLB & SSSL	--	--
	Benzo(k)fluoranthene	207-08-9	--	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	--
	bis(2-Ethylhexyl)phthalate	117-81-7	--	<ESLB & SSSL	<ESLB & SSSL	--	--	--	--	--	X
	Carbazole	86-74-8	<ESLB & SSSL	--	<ESLB & SSSL	--	--	--	--	--	--
	Chrysene	218-01-9	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--
	Dibenz(a,h)anthracene	53-70-3	--	--	--	--	--	--	--	--	--
	Diethylphthalate	84-66-2	--	--	--	--	X	--	X	--	X

Table 7B: Bank Soil LWA Screening: Detected SCOI Screening Summary by Location

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RII-806+00-NE20	RII-811+00-NE16	RJJ-822+00-NE7	RJJ-842+00-NE4	RJJ-851+50-NE20	RKK-870+50-SW17	RLL-892+00-NE32	RMM-903+50-NE17	RMM-926+00-SW13
			Seg 5	Seg 5	Seg 5	Seg 5	Seg 5	Seg 5	Seg 5	Seg 5	Seg 5
	Di-n-butyl phthalate	84-74-2	--	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	<ESLB & SSSL
	Fluoranthene	206-44-0	<ESLB & SSSL	<BKG	<ESLB & SSSL	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG
	Fluorene	86-73-7	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	--	--	--
	Hexachlorobutadiene	87-68-3	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--	--	--	--
	HEXACHLOROCYCLOPENTADIENE	77-47-4	<ESLB & SSSL	--	--	--	--	--	--	--	--
	Hexachloroethane	67-72-1	--	--	--	<ESLB & SSSL	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	193-39-5	--	--	--	--	<ESLB & SSSL	--	--	--	--
	Isophorone	78-59-1	--	--	--	--	--	--	--	--	--
	Naphthalene	91-20-3	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	<ESLB & SSSL	--	--	--	--
	Pentachlorobenzene	608-93-5	--	<ESLB & SSSL	X	X	X	--	<ESLB & SSSL	--	<ESLB & SSSL
	Pentachlorophenol	87-86-5	--	--	--	--	--	--	--	--	--
	Phenanthrene	85-01-8	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	--	--
	Pyrene	129-00-0	<ESLB & SSSL	<BKG	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Total Chlorophenols ERA	TCLP_ERA_Dow	--	<BKG	<BKG	<BKG	<PLER	--	--	--	<PLER
	Total Chlororbenzenes ERA	TCLB_ERA_Dow	<PLER	<PLER	<PLER	<PLER	<PLER	<PLER	<PLER	<PLER	<PLER
	Total PAHs ERA	TPAH_ERA_Dow	<PLER	<BKG	<PLER	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
VOC	1,2,3-Trichlorobenzene	87-61-6	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	--	--
	1,2,4-Trichlorobenzene	120-82-1	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	--	--	--
	1,2-Dichlorobenzene	95-50-1	--	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	--	--	--	--
	1,3-Dichlorobenzene	541-73-1	--	--	--	--	--	--	--	--	--
	1,4-Dichlorobenzene	106-46-7	--	--	--	<ESLB & SSSL	<ESLB & SSSL	--	--	--	<ESLB & SSSL

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
NA	not analyzed
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SSSL	site-specific screening level
SCOI	secondary constituent of interest
SVOC	semi-volatile organic compound

Table 7B: Bank Soil LWA Screening: Detected SCOI Screening Summary by Location

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RNN-954+50-SW7	RPP-993+00-SW19	RRR-1034+00-SW41	RRR-1040+50-NE21	RSS-1078+50-NE10	RSS-1078+50-SW22	RTT-1107+50-NE22	RXX-1238+00-NE14	RXX-1254+50-NE39
			Seg 6	Seg 6	Seg 6	Seg 6	Seg 6	Seg 6	Seg 7	Seg 7	Seg 7
Metal	Aluminum	7429-90-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Antimony	7440-36-0	--	--	--	--	--	--	--	--	--
	Arsenic	7440-38-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Barium	7440-39-3	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Beryllium	7440-41-7	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Boron	7440-42-8	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Cadmium	7440-43-9	--	<BKG	--	--	--	<BKG	--	--	<BKG
	Calcium	7440-70-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Chromium (total)	7440-47-3	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Cobalt	7440-48-4	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Copper	7440-50-8	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Iron	7439-89-6	<BKG	<BKG	X	<BKG	X	<BKG	<BKG	X	<BKG
	Lead	7439-92-1	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Lithium	7439-93-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Magnesium	7439-95-4	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Manganese	7439-96-5	<BKG	<BKG	<BKG	<BKG	X	<BKG	<BKG	<BKG	<BKG
	Mercury	7439-97-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Nickel	7440-02-0	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Potassium	7440-09-7	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Selenium	7782-49-2	--	--	--	--	--	<BKG	--	--	--
	Silver	7440-22-4	--	--	--	--	--	--	--	--	--
	Sodium	7440-23-5	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Strontium	7440-24-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Thallium	7440-28-0	--	--	--	--	--	--	--	--	--
	Tin	7440-31-5	--	--	--	--	--	--	--	--	--
	Titanium	7440-32-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Vanadium	7440-62-2	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
	Zinc	7440-66-6	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
Pesticide	2,4'-DDD	53-19-0	--	--	--	--	--	--	--	--	--
	4,4'-DDD	72-54-8	<BKG	--	--	<BKG	--	<BKG	--	--	<BKG
	4,4'-DDE	72-55-9	--	--	X	X	--	X	--	X	X
	4,4'-DDT	50-29-3	<BKG	<BKG	--	<BKG	--	<BKG	<BKG	<BKG	X
	alpha-BHC	319-84-6	--	--	--	--	--	--	--	--	--
	beta-BHC	319-85-7	--	--	--	--	--	--	--	--	--
	delta-BHC	319-86-8	--	--	--	--	--	--	--	--	--
	Dieldrin	60-57-1	--	--	--	--	--	--	--	--	--
	Endosulfan I	959-98-8	--	--	--	--	--	--	--	--	--
	Endrin	72-20-8	--	--	--	--	--	--	--	--	--
	Hexachlorobenzene	118-74-1	X	X	X	X	--	X	X	X	X
	Octachlorostyrene	29082-74-4	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	--	<ESLB & SSSL	--	<ESLB & SSSL	--
	Parathion	56-38-2	--	--	--	--	--	--	--	--	--
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	--	<ESLB & SSSL	--	--	--	<ESLB & SSSL	--	--	--
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	<ESLB & SSSL	<ESLB & SSSL	--	<ESLB & SSSL	--	<ESLB & SSSL	--	<ESLB & SSSL	--
	1,2,4,5-Tetrachlorobenzene	95-94-3	--	--	--	--	--	--	--	--	--
	2,3,4,6-Tetrachlorophenol	58-90-2	--	--	--	--	--	--	--	--	--
	2,4,5-Trichlorophenol	95-95-4	--	--	--	--	--	--	--	--	--
	2,4,6-Trichlorophenol	88-06-2	--	--	--	--	--	--	--	--	--
	2-Methylnaphthalene	91-57-6	--	--	--	--	--	--	--	--	--
	Acenaphthene	83-32-9	<BKG	--	--	--	--	--	--	--	--
	Acenaphthylene	208-96-8	--	--	--	--	--	--	--	--	--
	Aniline	62-53-3	--	--	--	--	--	--	--	--	--
	Anthracene	120-12-7	--	--	--	--	--	--	--	--	--
	Benzo(a)pyrene	50-32-8	<BKG	--	--	<BKG	--	<BKG	<BKG	<BKG	<BKG
	Benzo(b)fluoranthene	205-99-2	<BKG	--	--	<BKG	--	--	<BKG	<BKG	<ESLB & SSSL
	Benzo(g,h,i)perylene	191-24-2	<ESLB & SSSL	--	--	--	--	--	<ESLB & SSSL	--	--
	Benzo(k)fluoranthene	207-08-9	--	--	--	--	--	--	--	--	--
	bis(2-Ethylhexyl)phthalate	117-81-7	<ESLB & SSSL	--	--	--	--	--	<ESLB & SSSL	<ESLB & SSSL	--
	Carbazole	86-74-8	--	--	--	--	--	--	--	--	--
	Chrysene	218-01-9	<ESLB & SSSL	--	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL	<ESLB & SSSL
	Dibenz(a,h)anthracene	53-70-3	--	--	--	--	--	--	--	--	--
	Diethylphthalate	84-66-2	--	--	--	--	--	--	--	--	--

Table 7B: Bank Soil LWA Screening: Detected SCOI Screening Summary by Location

Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RNN-954+50-SW7	RPP-993+00-SW19	RRR-1034+00-SW41	RRR-1040+50-NE21	RSS-1078+50-NE10	RSS-1078+50-SW22	RTT-1107+50-NE22	RXX-1238+00-NE14	RXX-1254+50-NE39
			Seg 6	Seg 6	Seg 6	Seg 6	Seg 6	Seg 6	Seg 7	Seg 7	Seg 7
	Di-n-butyl phthalate	84-74-2	--	--	--	--	--	--	--	--	--
	Fluoranthene	206-44-0	<ESLB & SSSL	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL
	Fluorene	86-73-7	<BKG	--	--	<BKG	--	<BKG	<BKG	<BKG	<BKG
	Hexachlorobutadiene	87-68-3	--	--	--	--	--	--	--	--	--
	HEXACHLOROCYCLOPENTADIENE	77-47-4	--	--	--	--	--	--	--	--	--
	Hexachloroethane	67-72-1	--	--	--	--	--	--	--	--	--
	Indeno(1,2,3-cd)pyrene	193-39-5	--	--	--	--	--	--	--	--	--
	Isophorone	78-59-1	--	--	--	--	--	--	--	--	--
	Naphthalene	91-20-3	--	--	--	--	--	--	--	--	--
	Pentachlorobenzene	608-93-5	<ESLB & SSSL	--	--	--	--	<ESLB & SSSL	--	<ESLB & SSSL	--
	Pentachlorophenol	87-86-5	<BKG	--	--	--	--	<BKG	--	--	--
	Phenanthrene	85-01-8	<BKG	--	--	<BKG	--	--	<BKG	<BKG	--
	Pyrene	129-00-0	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<ESLB & SSSL
	Total Chlorophenols ERA	TCLP_ERA_Dow	<BKG	--	--	--	--	<BKG	--	--	--
	Total Chlororbenzenes ERA	TCLB_ERA_Dow	<PLER	<PLER	<PLER	<PLER	--	<PLER	<PLER	<PLER	<PLER
	Total PAHs ERA	TPAH_ERA_Dow	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG	<BKG
VOC	1,2,3-Trichlorobenzene	87-61-6	<ESLB & SSSL	--	--	--	--	--	--	--	--
	1,2,4-Trichlorobenzene	120-82-1	--	--	--	--	--	--	--	--	--
	1,2-Dichlorobenzene	95-50-1	<ESLB & SSSL	--	--	--	--	--	--	--	--
	1,3-Dichlorobenzene	541-73-1	--	--	--	--	--	--	--	--	--
	1,4-Dichlorobenzene	106-46-7	--	--	--	--	--	--	--	--	--

Notes:

BKG	background
CAS	chemical abstract service
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
NA	not analyzed
PAHs	polycyclic aromatic hydrocarbons
PLER	potential level for ecological risk
SSSL	site-specific screening level
SCOI	secondary constituent of interest
SVOC	semi-volatile organic compound

Table 7C: Bank Soil LWA Screening: Comparison to Individual Screening Criteria
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Not Detected	< BKG (a)	Included in Totals Mixture (b)	< PLER	< ESLB and SSSL	Screened Out
Metal	Aluminum	7429-90-5		X				Yes
	Antimony	7440-36-0					X	Yes
	Arsenic	7440-38-2		X				Yes
	Barium	7440-39-3		X				Yes
	Beryllium	7440-41-7		X				Yes
	Boron	7440-42-8		X				Yes
	Cadmium	7440-43-9		X				Yes
	Calcium	7440-70-2		X				Yes
	Chromium (total)	7440-47-3		X				Yes
	Cobalt	7440-48-4					X	Yes
	Copper	7440-50-8		X				Yes
	Gold	7440-57-5	X					Yes
	Iron	7439-89-6						No
	Lead	7439-92-1		X				Yes
	Lithium	7439-93-2		X				Yes
	Magnesium	7439-95-4		X				Yes
	Manganese	7439-96-5						No
	Mercury	7439-97-6		X				Yes
	Nickel	7440-02-0		X				Yes
	Potassium	7440-09-7		X				Yes
	Selenium	7782-49-2		X				Yes
	Silver	7440-22-4						No
	Sodium	7440-23-5		X				Yes
	Strontium	7440-24-6		X				Yes
	Thallium	7440-28-0		X				Yes
	Tin	7440-31-5		X				Yes
	Titanium	7440-32-6		X				Yes
	Vanadium	7440-62-2		X				Yes
	Zinc	7440-66-6					X	Yes
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	X					Yes
	2,4'-DDD	53-19-0		X				Yes
	4,4'-DDD	72-54-8		X				Yes
	4,4'-DDE	72-55-9						No
	4,4'-DDT	50-29-3						No
	Aldrin	309-00-2	X					Yes
	alpha-BHC	319-84-6						No
	Alpha-chlordane	5103-71-9	X					Yes
	beta-BHC	319-85-7						No
	Chlorpyrifos	2921-88-2	X					Yes
	cis-Nonachlor	5103-73-1	X					Yes
	delta-BHC	319-86-8					X	Yes
	Diallate (total)	2303-16-4	X					Yes
	Dieldrin	60-57-1						No
	Dimethoate	60-51-5	X					Yes
	Dinoseb	88-85-7	X					Yes
	Disulfoton	298-04-4	X					Yes
	Endosulfan I	959-98-8						No
	Endosulfan II	33213-65-9	X					Yes
	Endosulfan sulfate	1031-07-8	X					Yes
	Endrin	72-20-8						No
	Endrin aldehyde	7421-93-4	X					Yes
	Famphur	52-85-7	X					Yes
	gamma-BHC	58-89-9	X					Yes
	Gamma-chlordane	12789-03-6	X					Yes
	Heptachlor	76-44-8	X					Yes
	Heptachlor epoxide	1024-57-3	X					Yes
	Hexachlorobenzene	118-74-1			X			Yes(c)
	Isodrin	465-73-6	X					Yes
	Methoxychlor	72-43-5	X					Yes
	Methyl chlorpyrifos	5598-13-0	X					Yes
	Methyl parathion	298-00-0	X					Yes
	Mirex	2385-85-5	X					Yes
	Octachlorostyrene	29082-74-4					X	Yes
	Oxychlordane	27304-13-8	X					Yes
	Parathion	56-38-2				X		Yes
	Phorate	298-02-2	X					Yes
	Polybrominated biphenyls	67774-32-7	X					Yes
	Propachlor	1918-16-7	X					Yes
	Ronnel	299-84-3	X					Yes
	Thionazin	297-97-2	X					Yes
	Toxaphene	8001-35-2	X					Yes
	trans-Nonachlor	39765-80-5	X					Yes
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2					X	Yes
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	X					Yes
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	X					Yes
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	X					Yes
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	X					Yes
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	X					Yes
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2			X			Yes(c)
	1,2,4,5-Tetrachlorobenzene	95-94-3			X			Yes(c)
	2,2'-oxybis(1-Chloropropane)	108-60-1	X					Yes
	2,3,4,6-Tetrachlorophenol	58-90-2			X			Yes(c)
	2,4,5-Trichlorophenol	95-95-4		X				Yes
	2,4,6-Trichlorophenol	88-06-2			X			Yes(c)
	2,4-Dichlorophenol	120-83-2	X					Yes
	2,4-Dimethylphenol	105-67-9	X					Yes
	2,4-Dinitrophenol	51-28-5	X					Yes
	2,4-Dinitrotoluene	121-14-2	X					Yes
	2,6-Dichlorophenol	87-65-0	X					Yes
	2,6-Dinitrotoluene	606-20-2	X					Yes
	2-Chloronaphthalene	91-58-7	X					Yes
	2-Chlorophenol	95-57-8	X					Yes
	2-Methylnaphthalene	91-57-6		X				Yes
	2-Methylphenol	95-48-7	X					Yes
	2-Nitroaniline	88-74-4	X					Yes
	2-Nitrophenol	88-75-5	X					Yes
	2-Phenylphenol	90-43-7	X					Yes
	3,3'-Dichlorobenzidine	91-94-1	X					Yes
	3-Methylphenol	108-39-4	X					Yes

Table 7C: Bank Soil LWA Screening: Comparison to Individual Screening Criteria
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Not Detected	< BKG (a)	Included in Totals Mixture (b)	< PLER	< ESLB and SSSL	Screened Out
SVOC	3-Nitroaniline	99-09-2	X					Yes
(cont.)	4,6-Dinitro-2-methylphenol	534-52-1	X					Yes
	4-Bromophenyl-phenyl ether	101-55-3	X					Yes
	4-Chloro-3-methylphenol	59-50-7	X					Yes
	4-Chlorophenyl-phenyl ether	7005-72-3	X					Yes
	4-Methylphenol	106-44-5	X					Yes
	4-Nitroaniline	100-01-6	X					Yes
	4-Nitrophenol	100-02-7	X					Yes
	Acenaphthene	83-32-9		X				Yes
	Acenaphthylene	208-96-8			X			Yes(c)
	Aniline	62-53-3						No
	Anthracene	120-12-7			X			Yes(c)
	Azobenzene	103-33-3	X					Yes
	Benzidine	92-87-5	X					Yes
	Benzo(a)anthracene	56-55-3	X					Yes
	Benzo(a)pyrene	50-32-8		X				Yes
	Benzo(b)fluoranthene	205-99-2			X			Yes(c)
	Benzo(g,h,i)perylene	191-24-2			X			Yes(c)
	Benzo(k)fluoranthene	207-08-9			X			Yes(c)
	Benzyl alcohol	100-51-6	X					Yes
	bis(2-Chloroethoxy)methane	111-91-1	X					Yes
	bis(2-Chloroethyl) ether	111-44-4	X					Yes
	bis(2-Ethylhexyl)phthalate	117-81-7						No
	Bisphenol A	80-05-7	X					Yes
	Butylbenzylphthalate	85-68-7	X					Yes
	Carbazole	86-74-8					X	Yes
	Chlorobenzilate	510-15-6	X					Yes
	Chrysene	218-01-9			X			Yes(c)
	Dibenz(a,h)anthracene	53-70-3			X			Yes(c)
	Diethylphthalate	84-66-2						No
	Dimethyl phthalate	131-11-3	X					Yes
	Di-n-butyl phthalate	84-74-2					X	Yes
	Di-N-Octylphthalata	117-84-0	X					Yes
	Fluoranthene	206-44-0			X			Yes(c)
	Fluorene	86-73-7		X				Yes
	Hexachlorobutadiene	87-68-3					X	Yes
	Hexachlorocyclopentadiene	77-47-4					X	Yes
	Hexachloroethane	67-72-1					X	Yes
	Indeno(1,2,3-cd)pyrene	193-39-5			X			Yes(c)
	Isophorone	78-59-1					X	Yes
	Naphthalene	91-20-3			X			Yes(c)
	Nitrobenzene	98-95-3	X					Yes
	N-Nitrosodimethylamine	62-75-9	X					Yes
	N-Nitroso-di-n-propylamine	621-64-7	X					Yes
	N-Nitrosodiphenylamine	86-30-6	X					Yes
	Pentachlorobenzene	608-93-5			X			Yes(c)
	Pentachloronitrobenzene	82-68-8	X					Yes
	Pentachlorophenol	87-86-5			X			Yes(c)
	Phenanthrene	85-01-8			X			Yes(c)
	Phenol	108-95-2	X					Yes
	p-tert-Butylphenol	98-54-4	X					Yes
	Pyrene	129-00-0			X			Yes(c)
	Pyridine	110-86-1	X					Yes
	Total Chlorophenols	TCLP_ERA_Dow				X		Yes
	Total Chlororbenzenes	TCLB_ERA_Dow				X		Yes
	Total PAHs	TPAH_ERA_Dow				X		Yes
VOC	1,2,3-Trichlorobenzene	87-61-6			X			Yes(c)
	1,2,4-Trichlorobenzene	120-82-1			X			Yes(c)
	1,2-Dichlorobenzene	95-50-1			X			Yes(c)
	1,3-Dichlorobenzene	541-73-1			X			Yes(c)
	1,4-Dichlorobenzene	106-46-7			X			Yes(c)

Notes:

BHC	Hexachlorocyclohexane
BKG	background
CAS	chemical abstract service
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
ESLB	ecological screening level benchmark
PAH	polycyclic aromatic hydrocarbon
PLER	potential level for ecological risk
SSSL	site-specific screening level
SVOC	semi-volatile organic compound
VOC	volatile organic compound
X	Denotes step at which SCOI screened out of screening process
(a)	Sediment background values are based on maximum concentrations from either Chippewa, Pine, or Upper Tittabawassee Rivers
(b)	Individual chlorobenzenes, chlorophenols, and PAHs were combined into total chlorobenzenes, total chlorophenols, and total PAHs
(c)	Screened out based on inclusion in total mixtures (b)

Table 8A: Bank Soil LWA Screening: Additional Risk-Based Consideration
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Benchmarks (a) (mg/kg)		LWA (mg/kg)					Screened Out
			Site Specific EqP Benchmarks (2.8% TOC)	Other Published BMK	Avg. (b)	Max.	Frequency of Detection (b)		FoD Exceeding Benchmarks (EqP, other pub. BMK)	
Metal	Iron	7439-89-6	NA	38000	17647	69000	27 / 27		3 / 27	No
	Manganese	7439-96-5	NA	1800	438.18	2300	27 / 27		1 / 27	Yes
	Silver	7440-22-4	NA	22.73	7.4292	56.747	15 / 27		1 / 27	Yes
Pesticide	4,4-DDT (and metabolites)	50-29-3	4.66	NA	0.1261	1.83	18 / 27		0 / 27	Yes
	alpha-BHC	319-84-6	0.31	NA	0.0118	0.2021	2 / 27		0 / 27	Yes
	beta-BHC	319-85-7	0.31	NA	0.0078	0.0986	2 / 27		0 / 27	Yes
	Dieldrin	60-57-1	0.34	NA	0.0353	0.43	10 / 27		1 / 27	Yes
	Endosulfan I	959-98-8	0.0092	NA	0.0055	0.0174	1 / 27		1 / 27	Yes
	Endrin	72-20-8	0.2	NA	0.03	0.53	6 / 27		1 / 27	Yes
SVOC	Aniline	62-53-3	0.4	NA	0.052	0.07	1 / 27		0 / 27	Yes
	bis(2-Ethylhexyl)phthalate	117-81-7	126	NA	0.125	2.00	6 / 27		0 / 27	Yes
	Diethylphthalate	84-66-2	NA	3.1	0.195	0.86	9 / 27		0 / 27	Yes

Notes:

(a)	See Table B.3C for benchmark derivation/source
(b)	Average calculated assuming half the detection limit for non-detects
--	not available
Avg.	average
BHC	Hexachlorocyclohexane
BMK	benchmark
CAS	chemical abstract service
DDT	dichlorodiphenyltrichloroethane
EqP	equilibrium partitioning benchmark
FoD	frequency of detection
ft	foot
Max.	maximum
mg/kg	milligram per kilogram
NA	not applicable
SVOC	semi-volatile organic compound
TOC	total organic carbon

Table 8B: Bank Soil LWA Screening: Additional Risk-Based Consideration Summary
Segments 4-7 SCOI Screening

Class	Chemical Name	EqP	Other published BMK	Comparison to sediment screening results	Screened Out
Metal	Iron	--	--	X	Yes
	Manganese	--	X	--	Yes
	Silver	--	X	--	Yes
Pesticide	4,4-DDT (and metabolites)	X	--	--	Yes
	alpha-BHC	X	--	--	Yes
	beta-BHC	X	--	--	Yes
	Dieldrin	X	--	--	Yes
	Endosulfan I	X	--	--	Yes
	Endrin	X	--	--	Yes
SVOC	Aniline	X	--	--	Yes
	bis(2-Ethylhexyl)phthalate	X	--	--	Yes
	Diethylphthalate	--	X	--	Yes

BHC hexachlorocyclohexane
BMK benchmark
DDT dichlorodiphenyltrichloroethane
EqP equilibrium partitioning benchmark
OC organic carbon
SVOC semi-volatile organic compound

Attachments

Attachment 1: Overview of the Number of SCOIs Analyzed: Bank Soil Data
Segments 4-7 SCOI Screening

Segment	Location	Depth (feet)	1 SCOI (a)	157 SCOIs (b,c)	158 SCOIs (b)	159 SCOIs (b)	160 SCOIs (b)
Segment 4	RBB-607+00-SW12	6.7-8	--	--	✓	--	--
	RBB-614+50-SW4	1-2.1	--	--	✓	--	--
	RCC-639+00-SW9	0-1	--	--	✓	--	--
		1-1.6	--	--	✓	--	--
		1.6-3.6	--	--	✓	--	--
		3.6-4.6	--	--	✓	--	--
		4.6-5.8	--	--	✓	--	--
		5.8-6.6	--	--	✓	--	--
		6.6-8.2	--	--	✓	--	--
	RFF-719+00-SW33	0-1	--	--	✓	--	--
		1-1.6	--	✓	--	--	--
		1.6-3.1	--	--	✓	--	--
		3.1-5.1	--	--	✓	--	--
		5.1-7.1	--	--	✓	--	--
	RFF-721+50-SW9	0-1	--	--	✓	--	--
		1-2.3	--	--	✓	--	--
		2.3-3.6	--	--	✓	--	--
		3.6-4.9	--	--	✓	--	--
	RHH-761+00-NE24	3.2-5.1	--	--	--	--	✓
	RII-779+50-NE20	0-1	--	--	✓	--	--
		1-2.4	--	--	✓	--	--
		2.4-3.8	--	--	✓	--	--
		3.8-5.3	--	--	✓	--	--
		5.3-6.5	--	--	✓	--	--
	RII-782+50-SW33	0-0.7	--	--	✓	--	--
		0.7-1	--	✓	--	--	--
		1-2.2	--	--	✓	--	--
		2.2-2.7	--	✓	--	--	--
		2.7-4.4	--	--	✓	--	--
		4.4-5.3	--	✓	--	--	--
		5.3-6.5	--	--	✓	--	--
		6.5-7.2	--	--	✓	--	--
Segment 5	RII-796+00-NE33	0-1	--	--	--	--	✓
		1-1.4	--	--	--	--	✓
		1.4-2.3	--	--	--	--	✓
	RII-806+00-NE20	3-5	--	--	--	--	✓
		5-7	--	--	--	--	✓
	RII-811+00-NE16	0-1	--	--	--	--	✓
		1-3	--	--	--	--	✓
		3-4	--	--	--	--	✓
		4-5.6	--	--	--	--	✓
	RJJ-822+00-NE7	0-1	--	--	--	--	✓
		1-1.7	--	--	--	--	✓
		1.7-3.7	--	--	--	--	✓
		3.7-5	--	--	--	--	✓
		5-5.9	--	--	--	--	✓
	RJJ-842+00-NE4	0-1	--	--	--	--	✓
		1-1.8	--	--	--	--	✓
		1.8-3.6	--	--	--	--	✓
		3.6-5.8	--	--	--	--	✓
	RJJ-851+50-NE20	0-1	--	--	✓	--	--
		1-2.1	--	--	✓	--	--
		2.1-3.1	--	--	✓	--	--
		3.1-4	--	--	✓	--	--
		4-5.5	--	--	✓	--	--
		5.5-7	--	--	✓	--	--
		7-8.3	--	--	✓	--	--
	RKK-870+50-SW17	0-1	--	--	--	--	✓
		1-2.3	--	--	--	--	✓
		2.3-3.7	--	--	--	--	✓
	RLL-892+00-NE32	0-0.7	--	--	✓	--	--
		0.7-1	--	--	✓	--	--
		1-1.7	--	--	✓	--	--
		1.7-3.7	--	--	✓	--	--

Attachment 1: Overview of the Number of SCOIs Analyzed: Bank Soil Data
Segments 4-7 SCOI Screening

Segment	Location	Depth (feet)	1 SCOI (a)	157 SCOIs (b,c)	158 SCOIs (b)	159 SCOIs (b)	160 SCOIs (b)
Segment 5 (cont.)	RLL-892+00-NE32	3.7-5	--	--	✓	--	--
	RMM-903+50-NE17	0-0.4	--	--	--	--	✓
		0.4-1	--	--	--	--	✓
		1-2	--	--	--	--	✓
	RMM-926+00-SW13	4.2-5.8	--	--	✓	--	--
Segment 6	RNN-954+50-SW7	0.5-1	--	--	--	--	✓
		1-2.5	--	--	--	--	✓
		2.5-4.1	--	--	--	--	✓
		4.1-6.1	--	--	--	--	✓
	RPP-993+00-SW19	0-0.5	--	--	--	✓	--
		0.5-1	--	--	--	--	✓
		1-1.6	--	--	--	--	✓
		1.6-3.1	--	--	--	--	✓
		3.1-4.7	--	--	--	--	✓
	RRR-1034+00-SW41	0-1	--	--	--	--	✓
	RRR-1040+50-NE21	0-0.5	--	--	--	✓	--
		0.5-1	--	--	--	--	✓
		1-2.2	--	--	--	--	✓
		2.2-3.4	--	--	--	--	✓
		3.4-5.6	--	--	--	--	✓
		5.6-7.4	--	--	--	--	✓
		7.4-8.2	✓	--	--	--	--
	RSS-1078+50-NE10	0-1	--	--	--	--	✓
	RSS-1078+50-SW22	0-0.5	--	--	--	--	✓
		0.5-1	--	--	--	--	✓
		1-1.2	--	--	--	--	✓
		1.2-2	--	--	--	--	✓
		2-2.7	--	--	--	--	✓
		2.7-4	--	--	--	--	✓
		4-5.8	--	--	--	--	✓
Segment 7	RTT-1107+50-NE22	0-1	--	--	--	--	✓
		1-2.5	--	--	--	--	✓
		2.5-4.1	--	--	--	--	✓
		4.1-5.8	--	--	--	--	✓
	RXX-1238+00-NE14	0-0.5	--	--	--	--	✓
		0.5-1	--	--	--	--	✓
		1-1.5	--	--	--	--	✓
		1.5-2.7	--	--	--	--	✓
		2.7-4.2	--	--	--	--	✓
	RXX-1254+50-NE39	0-1	--	--	--	--	✓

Notes:

DEQ Michigan Department of Environmental Quality
SCOI secondary constituent of interest
(a) Only mercury was analyzed
(b) The individual SCOIs are provided on Table 2B.
(c) The sample includes all 158 SCOIs except mercury.
(d) The sample includes all 160 SCOIs except mercury.

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RBB-607+00-SW12		RBB-614+50-SW4		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9	
		Segment	4		4		4		4		4		4		4		4		4	
		Depth Range	6.7 - 8		1 - 2.1		0 - 1		1 - 1.6		1.6 - 3.6		3.6 - 4.6		4.6 - 5.8		5.8 - 6.6		6.6 - 8.2	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
Metal	Aluminum	7429-90-5	3600	Y	1300	Y	8300	Y	8200	Y	7800	Y	9000	Y	9400	Y	6700	Y	9000	Y
	Antimony	7440-36-0	3.824	Y	1.717	Y	3.187	Y	4.549	Y	4.51	Y	4.019	Y	4.128	Y	2.8	Y	3.741	Y
	Arsenic	7440-38-2	2.8	Y	14.25	Y	4.845	Y	4.816	Y	21.95	Y	11.72	Y	5.275	Y	2.4	Y	2.538	Y
	Barium	7440-39-3	19.57	Y	25.65	Y	60.4	Y	55.48	Y	57.07	Y	55.55	Y	54.865	Y	39	Y	48.25	Y
	Beryllium	7440-41-7	0.108	Y	0.041	N	0.298	Y	0.274	Y	0.306	Y	0.318	Y	0.308	Y	0.26	Y	0.32	Y
	Boron	7440-42-8	9.947	Y	20.29	Y	16.97	Y	14.26	Y	14.55	Y	14.87	Y	14.84	Y	14	Y	14.66	Y
	Cadmium	7440-43-9	0.096	Y	0.129	Y	0.238	Y	0.321	Y	0.566	Y	0.371	Y	0.148	Y	0.045	N	0.045	N
	Calcium	7440-70-2	18000	Y	27000	Y	39000	Y	38000	Y	40000	Y	43000	Y	53000	Y	38000	Y	43000	Y
	Chromium (total)	7440-47-3	15.87	Y	7.205	Y	14.21	Y	16.65	Y	25.44	Y	12.52	Y	11.66	Y	9.4	Y	11.84	Y
	Cobalt	7440-48-4	10.14	Y	15.27	Y	16.54	Y	15.5	Y	15.99	Y	19.94	Y	18.89	Y	15	Y	17.32	Y
	Copper	7440-50-8	26.29	Y	4.762	Y	20.91	Y	38.12	Y	59.15	Y	14.89	Y	9.548	Y	6.7	Y	7.848	Y
	Gold	7440-57-5	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
	Iron	7439-89-6	6900	Y	9300	Y	15000	Y	14000	Y	15000	Y	17000	Y	17000	Y	8400	Y	9700	Y
	Lead	7439-92-1	8.747	Y	2.58	Y	14.31	Y	17.98	Y	35.08	Y	19.3	Y	8.144	Y	4.4	Y	4.563	Y
	Lithium	7439-93-2	5.079	Y	2.145	Y	13.43	Y	11.88	Y	12.75	Y	15.35	Y	15.44	Y	12	Y	15.42	Y
	Magnesium	7439-95-4	7300	Y	5400	Y	12000	Y	11000	Y	11000	Y	15000	Y	19000	Y	14000	Y	18000	Y
	Manganese	7439-96-5	97.41	Y	190	Y	500	Y	450	Y	370	Y	540	Y	500	Y	160	Y	130	Y
	Mercury	7439-97-6	0.062	Y	0.029	Y	0.08	Y	0.11	Y	0.23	Y	0.12	Y	0.036	Y	0.013	Y	0.017	Y
	Nickel	7440-02-0	7.908	Y	4.606	Y	10.62	Y	10.02	Y	11.47	Y	11.16	Y	11.4	Y	8.6	Y	10.03	Y
	Potassium	7440-09-7	380	Y	150	Y	1200	Y	1100	Y	980	Y	1200	Y	1200	Y	840	Y	1100	Y
	Selenium	7782-49-2	0.012	N	0.012	N	0.012	N	0.012	N	0.366	Y	0.012	N	0.012	N	0.012	N	0.012	N
	Silver	7440-22-4	12.04	Y	0.022	N	13.83	Y	13.24	Y	12.73	Y	0.022	N	0.022	N	0.022	N	0.022	N
	Sodium	7440-23-5	54.9	Y	82.8	Y	81.94	Y	84.94	Y	86.22	Y	76.56	Y	77.28	Y	64	Y	74.76	Y
	Strontium	7440-24-6	35.7	Y	31.24	Y	58.19	Y	65.92	Y	110	Y	73.75	Y	71.155	Y	43	Y	46.81	Y
	Thallium	7440-28-0	0.098	N	0.264	Y	0.282	Y	0.318	Y	0.283	Y	0.098	N	0.623	Y	0.44	Y	0.518	Y
	Tin	7440-31-5	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N
	Titanium	7440-32-6	110	Y	150	Y	73.77	Y	100	Y	75.85	Y	88.41	Y	128.65	Y	99	Y	99.28	Y
	Vanadium	7440-62-2	9.325	Y	8.433	Y	15.49	Y	14.86	Y	14.11	Y	16.98	Y	17.585	Y	14	Y	17.21	Y
	Zinc	7440-66-6	47.91	Y	38.21	Y	58.39	Y	80.82	Y	64.71	Y	42.62	Y	33.29	Y	20	Y	25.12	Y
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,4'-DDD	53-19-0	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDD	72-54-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDE	72-55-9	0.005	N	0.005	N	0.02	Y	0.005	N	0.03	Y	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDT	50-29-3	0.004	N	0.004	N	0.004	N	0.14	Y	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	alpha-BHC	319-84-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	ALPHA-CHLORDANE	5103-71-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	beta-BHC	319-85-7	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	delta-BHC	319-86-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Diallate (total)	2303-16-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dieldrin	60-57-1	0.08	Y	0.43	Y	0.1	Y	0.06	Y	0.005	N	0.005	N	0.005	N	0.08	Y	0.05	Y
	Dimethoate	60-51-5	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan I	959-98-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Endosulfan II	33213-65-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin	72-20-8	0.08	Y	0.53	Y	0.004	N	0.16	Y	0.004	N	0.03	Y	0.004	N	0.004	N	0.08	Y
	Endrin aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachlorobenzene	118-74-1	0.03	Y	0.004	N	0.05	Y	0.05	Y	1.3	Y	0.02	Y	0.004	N	0.004	N	0.004	N
	Isodrin	465-73-6	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Octachlorostyrene	29082-74-4	0.03	Y	0.004	N	0.004	N	0.04	Y	0.43	Y	0.01	Y	0.004	N	0.004	N	0.004	N
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Parathion	56-38-2	0.0075	N	0.0075	N	0.0075	N	0.08	Y	0.0075	N	0.13	Y	0.0075	N	2.2	Y	0.0075	N
	Phorate	298-02-2	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RBB-607+00-SW12		RBB-614+50-SW4		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9	
		Segment	4		4		4		4		4		4		4		4		4	
		Depth Range	6.7 - 8		1 - 2.1		0 - 1		1 - 1.6		1.6 - 3.6		3.6 - 4.6		4.6 - 5.8		5.8 - 6.6		6.6 - 8.2	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Polybrominated biphenyls	67774-32-7	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.03	Y	0.02	N	0.02	N	0.05	Y	0.52	Y	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
Styrene	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
(cont.)	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.04	Y	0.02	Y	0.01	Y	0.07	Y	0.08	Y	0.005	N	0.005	N	0.005	N	0.005	N
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	2,4,5-Trichlorophenol	95-95-4	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	2,4,6-Trichlorophenol	88-06-2	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	2,4-Dichlorophenol	120-83-2	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylnaphthalene	91-57-6	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N
	2-Methylphenol	95-48-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7																		
	3,3'-Dichlorobenzidine	91-94-1	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	3-Methylphenol	108-39-4	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	3-Nitroaniline	99-09-2	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Acenaphthene	83-32-9	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
	Acenaphthylene	208-96-8	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N
	Anthracene	120-12-7	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(a)pyrene	50-32-8	0.029	N	0.029	N	0.11	Y	0.029	N	0.28	Y	0.14	Y	0.31	Y	0.029	N	0.029	N
	Benzo(b)fluoranthene	205-99-2	0.039	N	0.039	N	0.039	N	0.11	Y	0.15	Y	0.08	Y	0.65	Y	0.039	N	0.039	N
	Benzo(g,h,i)perylene	191-24-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	Benzo(k)fluoranthene	207-08-9	0.052	N	0.052	N	0.052	N	0.052	N	0.36	Y	0.052	N	0.052	N	0.052	N	0.052	N
	Benzyl alcohol	100-51-6	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	bis(2-Ethylhexyl)phthalate	117-81-7	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	BISPHENOL A	80-05-7	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Carbazole	86-74-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Chlorobenzilate	510-15-6	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Chrysene	218-01-9	0.028	N	0.028	N	0.08	Y	0.13	Y	0.23	Y	0.1	Y	0.18	Y	0.028	N	0.028	N
	Dibenz(a,h)anthracene	53-70-3	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Diethylphthalate	84-66-2	0.056	N	0.14	Y	0.35	Y	0.056	N	0.29	Y	0.056	N	0.45	Y	0.36	Y	0.27	Y
	Dimethyl phthalate	131-11-3	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	Di-n-butyl phthalate	84-74-2	0.057	N	0.057	N	0.057	N	0.057	N	0.36	Y	1.2	Y	0.13	Y	0.14	Y	0.37	Y
	DI-N-OCTYLPHTHALATE	117-84-0	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RBB-607+00-SW12		RBB-614+50-SW4		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9		RCC-639+00-SW9	
		Segment	4		4		4		4		4		4		4		4		4	
		Depth Range	6.7 - 8		1 - 2.1		0 - 1		1 - 1.6		1.6 - 3.6		3.6 - 4.6		4.6 - 5.8		5.8 - 6.6		6.6 - 8.2	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Fluoranthene	206-44-0	0.06	Y	0.07	Y	0.11	Y	0.029	N	0.09	Y	0.21	Y	0.27	Y	0.029	N	0.029	N
	Fluorene	86-73-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Hexachlorobutadiene	87-68-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachloroethane	67-72-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.1	Y	0.028	N	0.028	N	0.028	N
	Isophorone	78-59-1	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Naphthalene	91-20-3	0.047	N	0.047	N	0.047	N	0.047	N	0.1	Y	0.047	N	0.047	N	0.047	N	0.047	N
	Nitrobenzene	98-95-3	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachlorobenzene	608-93-5	0.01	Y	0.05	Y	0.004	N	0.01	Y	0.03	Y	0.004	N	0.004	N	0.004	N	0.004	N
	Pentachloronitrobenzene	82-68-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Pentachlorophenol	87-86-5	0.027	N	0.4	N	0.4	N	0.027	N	0.027	N	0.4	N	0.4	N	0.027	N	0.027	N
	Phenanthrene	85-01-8	0.05	N	0.05	N	0.05	N	0.05	N	0.17	Y	0.17	Y	0.26	Y	0.05	N	0.05	N
	Phenol	108-95-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4																		
SVOC	Pyrene	129-00-0	0.026	N	0.1	Y	0.12	Y	0.2	Y	0.41	Y	0.26	Y	0.57	Y	0.026	N	0.026	N
(cont.)	Pyridine	110-86-1	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	Total Chlorophenols	TCLP_ERA_Dow	0.049	N	0.4	N	0.4	N	0.049	N	0.049	N	0.4	N	0.4	N	0.049	N	0.049	N
	Total Chlororbenzenes	TCLB_ERA_Dow	0.252	Y	0.172	Y	0.1615	Y	0.244	Y	1.587	Y	0.1265	Y	0.1165	Y	0.027	N	0.027	N
	Total PAHs	TPAH_ERA_Dow	0.404	Y	0.488	Y	0.6815	Y	0.649	Y	1.753	Y	1.092	Y	1.802	Y	0.052	N	0.052	N
VOC	1,2,3-Trichlorobenzene	87-61-6	0.01	Y	0.004	N	0.004	N	0.02	Y	0.05	Y	0.004	N	0.01	Y	0.004	N	0.004	N
	1,2,4-Trichlorobenzene	120-82-1	0.06	Y	0.027	N	0.027	N	0.027	N	0.06	Y	0.027	N	0.027	N	0.027	N	0.027	N
	1,2-Dichlorobenzene	95-50-1	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N
	1,3-Dichlorobenzene	541-73-1	0.06	Y	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	1,4-Dichlorobenzene	106-46-7	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N

Notes:

N no

Y yes

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RFF-719+00-SW33		RFF-719+00-SW33		RFF-719+00-SW33		RFF-719+00-SW33		RFF-719+00-SW33		RFF-721+50-SW9		RFF-721+50-SW9		RFF-721+50-SW9		RFF-721+50-SW9	
		Segment	4		4		4		4		4		4		4		4		4	
		Depth Range	0 - 1		1 - 1.6		1.6 - 3.1		3.1 - 5.1		5.1 - 7.1		0 - 1		1 - 2.3		2.3 - 3.6		3.6 - 4.9	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
Metal	Aluminum	7429-90-5	4000	Y	6700	Y	2300	Y	3100	Y	7100	Y	1200	Y	3900	Y	1900	Y	1500	Y
	Antimony	7440-36-0	8	Y	6.944	Y	5.711	Y	1.4	Y	3	Y	2.447	Y	4.882	Y	2.6	Y	2.599	Y
	Arsenic	7440-38-2	2.596	Y	2.411	Y	1.913	Y	2.1	Y	2.6	Y	1.007	Y	2.676	Y	1.7	Y	2.612	Y
	Barium	7440-39-3	27.38	Y	26.4	Y	16.45	Y	19	Y	26	Y	8.596	Y	27.56	Y	13	Y	11.17	Y
	Beryllium	7440-41-7	0.145	Y	0.147	Y	0.09	Y	0.098	Y	0.13	Y	0.041	N	0.128	Y	0.041	N	0.041	N
	Boron	7440-42-8	14.36	Y	9.559	Y	12.46	Y	11	Y	12	Y	12.7	Y	14.02	Y	11	Y	11.29	Y
	Cadmium	7440-43-9	0.045	N	0.094	Y	0.045	N	0.045	N	0.12	Y	0.045	N	0.045	N	0.045	N	0.045	N
	Calcium	7440-70-2	25000	Y	23330	Y	11000	Y	15000	Y	32000	Y	6400	Y	20000	Y	8900	Y	7500	Y
	Chromium (total)	7440-47-3	7.149	Y	7.18	Y	5.268	Y	7	Y	8.9	Y	3.163	Y	6.422	Y	3.8	Y	4.082	Y
	Cobalt	7440-48-4	10	Y	10.06	Y	6.36	Y	12	Y	16	Y	3.237	Y	7.836	Y	3.8	Y	3.937	Y
	Copper	7440-50-8	7.088	Y	7.352	Y	5.394	Y	8.1	Y	12	Y	1.629	Y	6.468	Y	4.1	Y	6.621	Y
	Gold	7440-57-5	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
	Iron	7439-89-6	15000	Y	16000	Y	6200	Y	5500	Y	13000	Y	3500	Y	13000	Y	4600	Y	4300	Y
	Lead	7439-92-1	5.967	Y	5.579	Y	4.679	Y	6.7	Y	9.5	Y	4.343	Y	5.097	Y	3.4	Y	3.925	Y
	Lithium	7439-93-2	5.855	Y	6.051	Y	3.557	Y	4.4	Y	6.2	Y	1.62	Y	5.076	Y	2.4	Y	1.903	Y
	Magnesium	7439-95-4	8800	Y	9200	Y	5300	Y	6100	Y	8800	Y	3300	Y	7400	Y	4400	Y	3200	Y
	Manganese	7439-96-5	220	Y	360	Y	120	Y	160	Y	360	Y	61.79	Y	210	Y	99	Y	59.31	Y
	Mercury	7439-97-6	0.029	Y			0.027	Y	0.026	Y	0.042	Y	0.01	Y	0.026	Y	0.021	Y	0.029	Y
	Nickel	7440-02-0	6	Y	7.548	Y	4.511	Y	3.9	Y	5.4	Y	1.587	Y	4.584	Y	2.4	Y	2.283	Y
	Potassium	7440-09-7	620	Y	600	Y	340	Y	370	Y	500	Y	250	Y	590	Y	250	Y	200	Y
	Selenium	7782-49-2	0.012	N	0.16	Y	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	Silver	7440-22-4	9.406	Y	8.514	Y	0.022	N	0.022	N	7.8	Y	0.022	N	0.022	N	0.022	N	0.022	N
	Sodium	7440-23-5	350	Y	510	Y	510	Y	32	Y	45	Y	360	Y	14.37	Y	4.4	Y	9.13	Y
	Strontium	7440-24-6	24.28	Y	21.19	Y	15.86	Y	20	Y	31	Y	8.438	Y	24.05	Y	14	Y	13.32	Y
	Thallium	7440-28-0	0.351	Y	0.098	N	0.394	Y	0.098	N	0.22	Y	0.31	Y	1.007	Y	0.66	Y	0.628	Y
	Tin	7440-31-5	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N
	Titanium	7440-32-6	72.67	Y	62.27	Y	68.64	Y	67	Y	63	Y	59.93	Y	90.695	Y	63	Y	51.33	Y
	Vanadium	7440-62-2	8.552	Y	8.352	Y	5.561	Y	6.5	Y	8	Y	3.564	Y	8.298	Y	4.5	Y	3.779	Y
	Zinc	7440-66-6	27.42	Y	26.25	Y	18.66	Y	25	Y	37	Y	8.505	Y	24.735	Y	15	Y	18.57	Y
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,4'-DDD	53-19-0	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDD	72-54-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDE	72-55-9	0.02	Y	0.02	Y	0.005	N	0.005	N	0.01	Y	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDT	50-29-3	0.004	N	0.004	N	0.004	N	0.004	N	0.03	Y	0.004	N	0.004	N	0.004	N	0.004	N
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	alpha-BHC	319-84-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	ALPHA-CHLORDANE	5103-71-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	beta-BHC	319-85-7	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	delta-BHC	319-86-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Diallate (total)	2303-16-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dieldrin	60-57-1	0.1	Y	0.005	N	0.03	Y	0.005	N	0.11	Y	0.005	N	0.005	N	0.005	N	0.04	Y
	Dimethoate	60-51-5	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan I	959-98-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Endosulfan II	33213-65-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin	72-20-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endrin aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachlorobenzene	118-74-1	0.03	Y	0.02	Y	0.004	N	0.01	Y	0.02	Y	0.004	N	0.01	Y	0.01	Y	0.02	Y
	Isodrin	465-73-6	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Octachlorostyrene	29082-74-4	0.004	N	0.02	Y	0.004	N	0.004	N	0.02	Y	0.004	N	0.004	N	0.04	Y	0.03	Y
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Parathion	56-38-2	0.0075	N	0.0075	N	0.08	Y	0.02	Y	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.1	Y
	Phorate	298-02-2	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RFF-719+00-SW33		RFF-719+00-SW33		RFF-719+00-SW33		RFF-719+00-SW33		RFF-719+00-SW33		RFF-721+50-SW9		RFF-721+50-SW9		RFF-721+50-SW9		RFF-721+50-SW9	
		Segment	4		4		4		4		4		4		4		4		4	
		Depth Range	0 - 1		1 - 1.6		1.6 - 3.1		3.1 - 5.1		5.1 - 7.1		0 - 1		1 - 2.3		2.3 - 3.6		3.6 - 4.9	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Polybrominated biphenyls	67774-32-7	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
Styrene	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
(cont.)	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	0.005	N	0.005	N	0.005	N	0.02	Y	0.005	N	0.005	N	0.005	N	0.01	Y
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	2,4,5-Trichlorophenol	95-95-4	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	2,4,6-Trichlorophenol	88-06-2	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	2,4-Dichlorophenol	120-83-2	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylnaphthalene	91-57-6	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N
	2-Methylphenol	95-48-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7																		
	3,3'-Dichlorobenzidine	91-94-1	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	3-Methylphenol	108-39-4	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	3-Nitroaniline	99-09-2	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Acenaphthene	83-32-9	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
	Acenaphthylene	208-96-8	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N
	Anthracene	120-12-7	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(a)pyrene	50-32-8	0.14	Y	0.07	Y	0.029	N	0.06	Y	0.06	Y	0.029	N	0.07	Y	0.029	N	0.029	N
	Benzo(b)fluoranthene	205-99-2	0.039	N	0.12	Y	0.11	Y	0.039	N	0.039	N	0.039	N	0.039	N	0.039	N	0.039	N
	Benzo(g,h,i)perylene	191-24-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	Benzo(k)fluoranthene	207-08-9	0.31	Y	0.052	N	0.052	N	0.052	N	0.1	Y	0.052	N	0.19	Y	0.052	N	0.052	N
	Benzyl alcohol	100-51-6	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	bis(2-Ethylhexyl)phthalate	117-81-7	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	BISPHENOL A	80-05-7	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Carbazole	86-74-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Chlorobenzilate	510-15-6	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Chrysene	218-01-9	0.15	Y	0.028	N	0.028	N	0.06	Y	0.06	Y	0.028	N	0.028	N	0.028	N	0.028	N
	Dibenz(a,h)anthracene	53-70-3	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Diethylphthalate	84-66-2	0.3	Y	0.26	Y	0.29	Y	0.14	Y	0.27	Y	0.37	Y	0.39	Y	0.38	Y	0.26	Y
	Dimethyl phthalate	131-11-3	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	Di-n-butyl phthalate	84-74-2	0.057	N	0.15	Y	0.79	Y	0.74	Y	0.057	N	0.14	Y	0.057	N	0.057	N	0.057	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RFF-719+00-SW33		RFF-719+00-SW33		RFF-719+00-SW33		RFF-719+00-SW33		RFF-719+00-SW33		RFF-721+50-SW9		RFF-721+50-SW9		RFF-721+50-SW9		RFF-721+50-SW9	
		Segment	4		4		4		4		4		4		4		4		4	
		Depth Range	0 - 1		1 - 1.6		1.6 - 3.1		3.1 - 5.1		5.1 - 7.1		0 - 1		1 - 2.3		2.3 - 3.6		3.6 - 4.9	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Fluoranthene	206-44-0	0.26	Y	0.12	Y	0.2	Y	0.029	N	0.57	Y	0.08	Y	0.15	Y	0.029	N	0.029	N
	Fluorene	86-73-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Hexachlorobutadiene	87-68-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachloroethane	67-72-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Isophorone	78-59-1	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.1	Y	0.028	N
	Naphthalene	91-20-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	Nitrobenzene	98-95-3	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachlorobenzene	608-93-5	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Pentachloronitrobenzene	82-68-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Pentachlorophenol	87-86-5	0.4	N	0.4	N	0.06	Y	0.027	N	0.53	Y	0.1	Y	0.4	N	0.027	N	0.4	N
	Phenanthrene	85-01-8	0.11	Y	0.05	N	0.13	Y	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N
	Phenol	108-95-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4																		
SVOC	Pyrene	129-00-0	0.2	Y	0.09	Y	0.14	Y	0.08	Y	0.14	Y	0.026	N	0.14	Y	0.026	N	0.026	N
(cont.)	Pyridine	110-86-1	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	Total Chlorophenols	TCLP_ERA_Dow	0.4	N	0.4	N	0.2475	Y	0.049	N	0.7175	Y	0.2875	Y	0.4	N	0.049	N	0.4	N
	Total Chlororbenzenes	TCLB_ERA_Dow	0.1365	Y	0.1265	Y	0.027	N	0.1165	Y	0.1475	Y	0.027	N	0.1165	Y	0.1165	Y	0.1315	Y
	Total PAHs	TPAH_ERA_Dow	1.33	Y	0.5695	Y	0.7385	Y	0.4905	Y	1.1395	Y	0.424	Y	0.7875	Y	0.052	N	0.052	N
VOC	1,2,3-Trichlorobenzene	87-61-6	0.004	N	0.004	N	0.004	N	0.004	N	0.01	Y	0.004	N	0.004	N	0.004	N	0.004	N
	1,2,4-Trichlorobenzene	120-82-1	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N
	1,2-Dichlorobenzene	95-50-1	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N
	1,3-Dichlorobenzene	541-73-1	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	1,4-Dichlorobenzene	106-46-7	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N

Notes:

N no

Y yes

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RHH-761+00-NE24		RII-779+50-NE20		RII-779+50-NE20		RII-779+50-NE20		RII-779+50-NE20		RII-779+50-NE20		RII-782+50-SW33		RII-782+50-SW33		RII-782+50-SW33	
		Segment	4		4		4		4		4		4		4		4		4	
		Depth Range	3.2 - 5.1		0 - 1		1 - 2.4		2.4 - 3.8		3.8 - 5.3		5.3 - 6.5		0 - 0.7		0.7 - 1		1 - 2.2	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
Metal	Aluminum	7429-90-5	10000	Y	4200	Y	3800	Y	6900	Y	6100	Y	5600	Y	1700	Y	3100	Y	3400	Y
	Antimony	7440-36-0	0.023	N	3.55	Y	4.6	Y	5.143	Y	4.876	Y	4.898	Y	2	Y	5.114	Y	5.991	Y
	Arsenic	7440-38-2	5.7	Y	2.841	Y	3.1	Y	16.33	Y	8.126	Y	8.09	Y	1.6	Y	2.991	Y	3.654	Y
	Barium	7440-39-3	28	Y	44.79	Y	32	Y	33.24	Y	26.7	Y	27.57	Y	12	Y	18.86	Y	23.28	Y
	Beryllium	7440-41-7	0.16	Y	0.222	Y	0.16	Y	0.194	Y	0.151	Y	0.133	Y	0.041	N	0.125	Y	0.14	Y
	Boron	7440-42-8	9.7	Y	12.45	Y	11	Y	18.53	Y	17.01	Y	14.24	Y	16	Y	18.61	Y	19.35	Y
	Cadmium	7440-43-9	0.12	Y	0.109	Y	0.17	Y	0.349	Y	0.219	Y	0.374	Y	0.045	N	0.045	N	0.1	Y
	Calcium	7440-70-2	52000	Y	34000	Y	19000	Y	20000	Y	17000	Y	20000	Y	7800	Y	22000	Y	24000	Y
	Chromium (total)	7440-47-3	7.3	Y	9.287	Y	11	Y	17.4	Y	7.71	Y	5.999	Y	2.9	Y	6.779	Y	8.331	Y
	Cobalt	7440-48-4	2.7	Y	11.99	Y	8.9	Y	8.635	Y	8.157	Y	6.669	Y	3.4	Y	13.03	Y	14.42	Y
	Copper	7440-50-8	8	Y	9.042	Y	24	Y	61.72	Y	12.33	Y	15.7	Y	2.4	Y	3.806	Y	5.958	Y
	Gold	7440-57-5	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
	Iron	7439-89-6	7300	Y	8200	Y	6200	Y	6400	Y	5400	Y	5200	Y	4300	Y	14000	Y	16000	Y
	Lead	7439-92-1	10	Y	6.38	Y	10	Y	22.9	Y	9.985	Y	17.99	Y	1.7	Y	5.731	Y	9.366	Y
	Lithium	7439-93-2	7.8	Y	9.449	Y	6	Y	9.599	Y	7.874	Y	6.365	Y	2	Y	4.47	Y	4.943	Y
	Magnesium	7439-95-4	20000	Y	10000	Y	6400	Y	8700	Y	8700	Y	7900	Y	4300	Y	10000	Y	12000	Y
	Manganese	7439-96-5	220	Y	460	Y	190	Y	170	Y	230	Y	160	Y	84	Y	200	Y	220	Y
	Mercury	7439-97-6	0.048	Y	0.027	Y	0.057	Y	0.15	Y	0.063	Y	0.078	Y	0.011	Y			0.023	Y
	Nickel	7440-02-0	6.1	Y	8.347	Y	6.1	Y	9.067	Y	8.876	Y	5.979	Y	2.2	Y	4.458	Y	5.285	Y
	Potassium	7440-09-7	750	Y	870	Y	590	Y	860	Y	700	Y	560	Y	270	Y	440	Y	450	Y
	Selenium	7782-49-2	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.203	Y	0.297	Y
	Silver	7440-22-4	11	Y	9.916	Y	11	Y	12.59	Y	11.98	Y	9.931	Y	0.022	N	0.022	N	0.022	N
	Sodium	7440-23-5	110	Y	48.5	Y	55	Y	240	Y	60.06	Y	64.56	Y	9.2	Y	33.64	Y	40.12	Y
	Strontium	7440-24-6	41	Y	40.2	Y	38	Y	76.99	Y	52.27	Y	89.84	Y	11	Y	16.26	Y	18.03	Y
	Thallium	7440-28-0	0.098	N	0.357	Y	0.26	Y	0.098	N	0.098	N	0.098	N	0.45	Y	0.813	Y	1.04	Y
	Tin	7440-31-5	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	1.669	Y	0.114	N	0.114	N	0.114	N
	Titanium	7440-32-6	97	Y	90.59	Y	97	Y	84.05	Y	95.91	Y	86.42	Y	55	Y	85.53	Y	88.96	Y
	Vanadium	7440-62-2	9.4	Y	12.18	Y	9.2	Y	9.686	Y	8.603	Y	7.487	Y	4	Y	8.246	Y	8.864	Y
	Zinc	7440-66-6	18	Y	32.94	Y	62	Y	37.56	Y	21.31	Y	18.73	Y	11	Y	27.19	Y	36.19	Y
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,4'-DDD	53-19-0	0.005	N	0.005	N	0.005	N	0.08	Y	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDD	72-54-8	0.005	N	0.005	N	0.005	N	0.11	Y	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDE	72-55-9	0.005	N	0.01	Y	0.01	Y	0.04	Y	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDT	50-29-3	0.004	N	0.004	N	0.004	N	0.18	Y	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	alpha-BHC	319-84-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	ALPHA-CHLORDANE	5103-71-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	beta-BHC	319-85-7	0.004	N	0.004	N	0.004	N	0.03	Y	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	delta-BHC	319-86-8	0.004	N	0.004	N	0.004	N	0.004	N	0.02	Y	0.004	N	0.004	N	0.004	N	0.004	N
	Diallate (total)	2303-16-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dieldrin	60-57-1	0.005	N	0.08	Y	0.11	Y	0.13	Y	0.05	Y	0.06	Y	0.005	N	0.005	N	0.005	N
	Dimethoate	60-51-5	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan I	959-98-8	0.005	N	0.005	N	0.005	N	0.05	Y	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Endosulfan II	33213-65-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin	72-20-8	0.004	N	0.004	N	0.04	Y	0.11	Y	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endrin aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachlorobenzene	118-74-1	0.03	Y	0.01	Y	0.04	Y	0.59	Y	0.02	Y	0.04	Y	0.004	N	0.01	Y	0.02	Y
	Isodrin	465-73-6	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Octachlorostyrene	29082-74-4	0.004	N	0.004	N	0.03	Y	0.29	Y	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Parathion	56-38-2	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Phorate	298-02-2	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RHH-761+00-NE24		RII-779+50-NE20		RII-779+50-NE20		RII-779+50-NE20		RII-779+50-NE20		RII-779+50-NE20		RII-782+50-SW33		RII-782+50-SW33		RII-782+50-SW33	
		Segment	4		4		4		4		4		4		4		4		4	
		Depth Range	3.2 - 5.1		0 - 1		1 - 2.4		2.4 - 3.8		3.8 - 5.3		5.3 - 6.5		0 - 0.7		0.7 - 1		1 - 2.2	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Polybrominated biphenyls	67774-32-7	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.02	N	0.02	N	0.03	Y	0.16	Y	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
Styrene	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
(cont.)	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	0.005	N	0.09	Y	0.11	Y	0.005	N	0.005	N	0.005	N	0.005	N	0.09	Y
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	2,4,5-Trichlorophenol	95-95-4	0.028	N	0.028	N	0.06	Y	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	2,4,6-Trichlorophenol	88-06-2	0.03	N	0.03	N	0.08	Y	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	2,4-Dichlorophenol	120-83-2	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylnaphthalene	91-57-6	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N
	2-Methylphenol	95-48-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7	0.012	N																
	3,3'-Dichlorobenzidine	91-94-1	0.242	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	3-Methylphenol	108-39-4	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	3-Nitroaniline	99-09-2	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Acenaphthene	83-32-9	0.03	Y	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
	Acenaphthylene	208-96-8	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N
	Anthracene	120-12-7	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(a)pyrene	50-32-8	0.21	Y	0.029	N	0.16	Y	0.12	Y	0.07	Y	0.16	Y	0.029	N	0.029	N	0.13	Y
	Benzo(b)fluoranthene	205-99-2	0.34	Y	0.039	N	0.039	N	0.039	N	0.039	N	0.08	Y	0.039	N	0.039	N	0.12	Y
	Benzo(g,h,i)perylene	191-24-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	Benzo(k)fluoranthene	207-08-9	0.052	N	0.15	Y	0.052	N	0.052	N	0.2	Y	0.53	Y	0.052	N	0.052	N	0.052	N
	Benzyl alcohol	100-51-6	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	bis(2-Ethylhexyl)phthalate	117-81-7	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	BISPHENOL A	80-05-7	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Carbazole	86-74-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Chlorobenzilate	510-15-6	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Chrysene	218-01-9	0.29	Y	0.07	Y	0.2	Y	0.028	N	0.028	N	0.28	Y	0.028	N	0.028	N	0.11	Y
	Dibenz(a,h)anthracene	53-70-3	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Diethylphthalate	84-66-2	0.056	N	0.35	Y	1.1	Y	0.47	Y	1.3	Y	1.2	Y	0.056	N	0.64	Y	0.056	N
	Dimethyl phthalate	131-11-3	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	Di-n-butyl phthalate	84-74-2	0.057	N	0.5	Y	0.47	Y	0.23	Y	0.57	Y	0.25	Y	2.1	Y	0.15	Y	0.22	Y
	DI-N-OCTYLPHTHALATE	117-84-0	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RHH-761+00-NE24		RII-779+50-NE20		RII-779+50-NE20		RII-779+50-NE20		RII-779+50-NE20		RII-779+50-NE20		RII-782+50-SW33		RII-782+50-SW33		RII-782+50-SW33	
		Segment	4		4		4		4		4		4		4		4		4	
		Depth Range	3.2 - 5.1		0 - 1		1 - 2.4		2.4 - 3.8		3.8 - 5.3		5.3 - 6.5		0 - 0.7		0.7 - 1		1 - 2.2	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Fluoranthene	206-44-0	1.2	Y	0.08	Y	0.21	Y	0.13	Y	0.19	Y	0.36	Y	0.029	N	0.09	Y	0.029	N
	Fluorene	86-73-7	0.31	Y	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.09	Y
	Hexachlorobutadiene	87-68-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachloroethane	67-72-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Isophorone	78-59-1	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Naphthalene	91-20-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	Nitrobenzene	98-95-3	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachlorobenzene	608-93-5	0.004	N	0.004	N	0.01	Y	0.02	Y	0.004	N	0.004	N	0.004	N	0.004	N	0.01	Y
	Pentachloronitrobenzene	82-68-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Pentachlorophenol	87-86-5	0.0085	N	0.027	N	0.4	N	0.4	N	0.4	N	0.4	N	0.14	Y	0.027	N	0.027	N
	Phenanthrene	85-01-8	1.4	Y	0.05	N	0.16	Y	0.12	Y	0.12	Y	0.29	Y	0.05	N	0.05	N	0.05	N
	Phenol	108-95-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4	0.013	N																
SVOC	Pyrene	129-00-0	1	Y	0.09	Y	0.33	Y	0.13	Y	0.17	Y	0.46	Y	0.026	N	0.1	Y	0.18	Y
(cont.)	Pyridine	110-86-1	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	Total Chlorophenols	TCLP_ERA_Dow	0.049	N	0.049	N	0.6695	Y	0.4	N	0.4	N	0.4	N	0.3275	Y	0.049	N	0.049	N
	Total Chlororbenzenes	TCLB_ERA_Dow	0.1365	Y	0.1165	Y	0.43	Y	0.916	Y	0.1265	Y	0.1955	Y	0.027	N	0.1165	Y	0.274	Y
	Total PAHs	TPAH_ERA_Dow	4.6075	Y	0.628	Y	1.272	Y	0.74	Y	0.938	Y	2.24	Y	0.052	N	0.508	Y	0.769	Y
VOC	1,2,3-Trichlorobenzene	87-61-6	0.004	N	0.004	N	0.004	N	0.02	Y	0.004	N	0.004	N	0.004	N	0.004	N	0.06	Y
	1,2,4-Trichlorobenzene	120-82-1	0.027	N	0.027	N	0.1	Y	0.06	Y	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N
	1,2-Dichlorobenzene	95-50-1	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N
	1,3-Dichlorobenzene	541-73-1	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	1,4-Dichlorobenzene	106-46-7	0.021	N	0.021	N	0.14	Y	0.07	Y	0.021	N	0.07	Y	0.021	N	0.021	N	0.021	N

Notes:

N no

Y yes

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RII-782+50-SW33		RII-782+50-SW33		RII-782+50-SW33		RII-782+50-SW33		RII-782+50-SW33		RII-796+00-NE33		RII-796+00-NE33		RII-796+00-NE33		RII-806+00-NE20	
		Segment	4		4		4		4		4		5		5		5		5	
		Depth Range	2.2 - 2.7		2.7 - 4.4		4.4 - 5.3		5.3 - 6.5		6.5 - 7.2		0 - 1		1 - 1.4		1.4 - 2.3		3 - 5	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
Metal	Aluminum	7429-90-5	2200	Y	3700	Y	6400	Y	3100	Y	9200	Y	2300	Y	2600	Y	1700	Y	1700	Y
	Antimony	7440-36-0	4.84	Y	7.941	Y	6.584	Y	4.514	Y	9.119	Y	0.023	N	0.023	N	0.023	N	0.023	N
	Arsenic	7440-38-2	2.667	Y	5.042	Y	5.261	Y	12.38	Y	31.36	Y	2.8	Y	4.6	Y	1.3	Y	3.7	Y
	Barium	7440-39-3	12.86	Y	24.39	Y	24.47	Y	20.02	Y	31.82	Y	18	Y	18	Y	12	Y	14	Y
	Beryllium	7440-41-7	0.093	Y	0.165	Y	0.165	Y	0.121	Y	0.264	Y	0.097	Y	0.11	Y	0.041	N	0.041	N
	Boron	7440-42-8	12.43	Y	19.51	Y	18.26	Y	14.65	Y	19.78	Y	9.6	Y	9.9	Y	7.4	Y	7.4	Y
	Cadmium	7440-43-9	0.106	Y	0.237	Y	0.351	Y	0.205	Y	0.377	Y	0.045	N	0.6	Y	0.045	N	0.045	N
	Calcium	7440-70-2	10000	Y	27000	Y	33000	Y	23000	Y	35000	Y	11000	Y	9300	Y	8200	Y	9900	Y
	Chromium (total)	7440-47-3	7.016	Y	14.53	Y	19.92	Y	12.93	Y	30.98	Y	6.2	Y	6.8	Y	3.3	Y	3.6	Y
	Cobalt	7440-48-4	10.18	Y	16.78	Y	15.94	Y	11.25	Y	18.91	Y	1.9	Y	1.8	Y	1.4	Y	1.5	Y
	Copper	7440-50-8	7.903	Y	35.96	Y	44.51	Y	24.91	Y	22.39	Y	7.7	Y	11	Y	2.7	Y	4.6	Y
	Gold	7440-57-5	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
	Iron	7439-89-6	12000	Y	20000	Y	21000	Y	17000	Y	26000	Y	5000	Y	4900	Y	3200	Y	3500	Y
	Lead	7439-92-1	7.257	Y	15.76	Y	19.11	Y	13.73	Y	45.95	Y	5	Y	7.9	Y	2.5	Y	6.6	Y
	Lithium	7439-93-2	3.242	Y	5.476	Y	5.635	Y	4.319	Y	7.953	Y	3.6	Y	4	Y	2.9	Y	2.9	Y
	Magnesium	7439-95-4	7600	Y	12000	Y	12000	Y	9300	Y	16000	Y	9400	Y	9300	Y	10000	Y	9700	Y
	Manganese	7439-96-5	120	Y	170	Y	150	Y	120	Y	79.09	Y	140	Y	130	Y	92	Y	98	Y
	Mercury	7439-97-6			0.086	Y			0.088	Y	0.27	Y	0.034	Y	0.046	Y	0.016	Y	0.035	Y
	Nickel	7440-02-0	4.08	Y	7.279	Y	8.729	Y	5.631	Y	7.734	Y	3.7	Y	4	Y	2.7	Y	2.8	Y
	Potassium	7440-09-7	270	Y	510	Y	490	Y	380	Y	630	Y	390	Y	400	Y	260	Y	280	Y
	Selenium	7782-49-2	0.012	N	0.368	Y	0.206	Y	0.176	Y	0.349	Y	0.012	N	0.012	N	0.012	N	0.012	N
	Silver	7440-22-4	0.022	N	0.022	N	18	Y	0.022	N	0.022	N	11	Y	11	Y	17	Y	17	Y
	Sodium	7440-23-5	36.56	Y	71.22	Y	50.17	Y	36.12	Y	58.75	Y	69	Y	69	Y	58	Y	58	Y
	Strontium	7440-24-6	12.74	Y	32.35	Y	51.64	Y	39.1	Y	51.1	Y	17	Y	18	Y	12	Y	24	Y
	Thallium	7440-28-0	0.893	Y	1.088	Y	1.03	Y	0.539	Y	0.989	Y	0.098	N	0.098	N	0.098	N	0.098	N
	Tin	7440-31-5	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N
	Titanium	7440-32-6	82.75	Y	84.52	Y	100	Y	86.79	Y	100	Y	57	Y	77	Y	68	Y	58	Y
	Vanadium	7440-62-2	6.622	Y	9.423	Y	10.19	Y	8.01	Y	12.17	Y	5.9	Y	6.6	Y	4.8	Y	4.6	Y
	Zinc	7440-66-6	50.25	Y	110	Y	51.78	Y	33.29	Y	45.43	Y	20	Y	20	Y	9	Y	13	Y
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,4'-DDD	53-19-0	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDD	72-54-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDE	72-55-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDT	50-29-3	0.004	N	0.004	N	0.11	Y	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	alpha-BHC	319-84-6	0.004	N	0.004	N	0.004	N	0.004	N	0.11	Y	0.004	N	0.004	N	0.004	N	0.004	N
	ALPHA-CHLORDANE	5103-71-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	beta-BHC	319-85-7	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	delta-BHC	319-86-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Diallate (total)	2303-16-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dieldrin	60-57-1	0.005	N	0.005	N	0.005	N	0.005	N	0.19	Y	0.005	N	0.005	N	0.005	N	0.005	N
	Dimethoate	60-51-5	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan I	959-98-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Endosulfan II	33213-65-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin	72-20-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endrin aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachlorobenzene	118-74-1	0.01	Y	0.04	Y	0.24	Y	0.57	Y	0.68	Y	0.01	Y	0.02	Y	0.01	Y	0.02	Y
	Isodrin	465-73-6	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Octachlorostyrene	29082-74-4	0.004	N	0.03	Y	0.06	Y	0.11	Y	0.38	Y	0.004	N	0.004	N	0.004	N	0.004	N
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Parathion	56-38-2	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Phorate	298-02-2	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RII-782+50-SW33		RII-782+50-SW33		RII-782+50-SW33		RII-782+50-SW33		RII-782+50-SW33		RII-796+00-NE33		RII-796+00-NE33		RII-796+00-NE33		RII-806+00-NE20	
		Segment	4		4		4		4		4		5		5		5		5	
		Depth Range	2.2 - 2.7		2.7 - 4.4		4.4 - 5.3		5.3 - 6.5		6.5 - 7.2		0 - 1		1 - 1.4		1.4 - 2.3		3 - 5	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Polybrominated biphenyls	67774-32-7	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.02	N	0.02	N	0.07	Y	0.12	Y	0.54	Y	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
Styrene	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
(cont.)	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.01	Y	0.06	Y	0.06	Y	0.02	Y	0.02	Y	0.005	N	0.005	N	0.005	N	0.005	N
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	2,4,5-Trichlorophenol	95-95-4	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	2,4,6-Trichlorophenol	88-06-2	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	2,4-Dichlorophenol	120-83-2	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylnaphthalene	91-57-6	0.04	N	0.04	N	0.04	N	0.04	N	0.29	Y	0.04	N	0.04	N	0.04	N	0.04	N
	2-Methylphenol	95-48-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7											0.012	N	0.012	N	0.012	N	0.012	N
	3,3'-Dichlorobenzidine	91-94-1	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.242	N	0.242	N	0.242	N	0.242	N
	3-Methylphenol	108-39-4	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	3-Nitroaniline	99-09-2	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Acenaphthene	83-32-9	0.013	N	0.013	N	0.013	N	0.013	N	0.44	Y	0.013	N	0.013	N	0.013	N	0.013	N
	Acenaphthylene	208-96-8	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.61	Y	0.05	N	0.05	N
	Anthracene	120-12-7	0.048	N	0.048	N	0.048	N	0.048	N	1.3	Y	0.048	N	0.048	N	0.048	N	0.048	N
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(a)pyrene	50-32-8	0.42	Y	0.029	N	0.029	N	0.029	N	1.7	Y	0.029	N	0.029	N	0.029	N	0.1	Y
	Benzo(b)fluoranthene	205-99-2	0.48	Y	0.039	N	0.1	Y	0.039	N	2.4	Y	0.039	N	0.039	N	0.039	N	0.12	Y
	Benzo(g,h,i)perylene	191-24-2	0.22	Y	0.033	N	0.033	N	0.033	N	0.83	Y	0.033	N	0.033	N	0.033	N	0.033	N
	Benzo(k)fluoranthene	207-08-9	0.36	Y	0.052	N	0.052	N	0.052	N	3.3	Y	0.052	N	0.052	N	0.052	N	0.052	N
	Benzyl alcohol	100-51-6	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	bis(2-Ethylhexyl)phthalate	117-81-7	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	BISPHENOL A	80-05-7	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Carbazole	86-74-8	0.07	Y	0.005	N	0.005	N	0.005	N	0.25	Y	0.005	N	0.005	N	0.005	N	0.005	N
	Chlorobenzilate	510-15-6	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Chrysene	218-01-9	0.38	Y	0.028	N	0.09	Y	0.028	N	1.4	Y	0.09	Y	0.08	Y	0.028	N	0.11	Y
	Dibenz(a,h)anthracene	53-70-3	0.048	N	0.048	N	0.048	N	0.048	N	0.26	Y	0.048	N	0.048	N	0.048	N	0.048	N
	Diethylphthalate	84-66-2	0.4	Y	0.47	Y	0.48	Y	0.33	Y	0.45	Y	0.056	N	0.056	N	0.056	N	0.056	N
	Dimethyl phthalate	131-11-3	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	Di-n-butyl phthalate	84-74-2	0.62	Y	0.057	N	0.057	N	0.93	Y	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RII-782+50-SW33		RII-782+50-SW33		RII-782+50-SW33		RII-782+50-SW33		RII-782+50-SW33		RII-796+00-NE33		RII-796+00-NE33		RII-796+00-NE33		RII-806+00-NE20	
		Segment	4		4		4		4		4		5		5		5		5	
		Depth Range	2.2 - 2.7		2.7 - 4.4		4.4 - 5.3		5.3 - 6.5		6.5 - 7.2		0 - 1		1 - 1.4		1.4 - 2.3		3 - 5	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Fluoranthene	206-44-0	0.029	N	0.029	N	0.1	Y	0.06	Y	3.2	Y	0.36	Y	0.36	Y	0.33	Y	0.44	Y
	Fluorene	86-73-7	0.032	N	0.032	N	0.032	N	0.032	N	0.56	Y	0.032	N	0.032	N	0.032	N	0.28	Y
	Hexachlorobutadiene	87-68-3	0.03	N	0.03	N	0.03	N	0.03	N	0.06	Y	0.03	N	0.03	N	0.03	N	0.03	N
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.02	Y
	Hexachloroethane	67-72-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	Indeno(1,2,3-cd)pyrene	193-39-5	0.21	Y	0.028	N	0.028	N	0.028	N	0.08	Y	0.028	N	0.028	N	0.028	N	0.028	N
	Isophorone	78-59-1	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Naphthalene	91-20-3	0.047	N	0.047	N	0.047	N	0.047	N	0.7	Y	0.047	N	0.047	N	0.047	N	0.047	N
	Nitrobenzene	98-95-3	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachlorobenzene	608-93-5	0.004	N	0.01	Y	0.02	Y	0.01	Y	0.03	Y	0.004	N	0.004	N	0.004	N	0.004	N
	Pentachloronitrobenzene	82-68-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Pentachlorophenol	87-86-5	0.027	N	0.027	N	0.027	N	0.055	Y	0.4	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Phenanthrene	85-01-8	0.19	Y	0.05	N	0.05	N	0.05	N	4.2	Y	0.05	N	0.05	N	0.05	N	0.11	Y
	Phenol	108-95-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4											0.013	N	0.013	N	0.013	N	0.013	N
SVOC	Pyrene	129-00-0	0.52	Y	0.026	N	0.13	Y	0.07	Y	3.3	Y	0.63	Y	0.5	Y	0.51	Y	0.65	Y
(cont.)	Pyridine	110-86-1	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	Total Chlorophenols	TCLP_ERA_Dow	0.049	N	0.049	N	0.049	N	0.2425	Y	0.4	N	0.049	N	0.049	N	0.049	N	0.049	N
	Total Chlororbenzenes	TCLB_ERA_Dow	0.1545	Y	0.208	Y	0.434	Y	0.714	Y	0.864	Y	0.1165	Y	0.1265	Y	0.1165	Y	0.1265	Y
	Total PAHs	TPAH_ERA_Dow	2.059	Y	0.052	N	0.61	Y	0.448	Y	19.1185	Y	1.37	Y	1.23	Y	1.158	Y	1.8705	Y
VOC	1,2,3-Trichlorobenzene	87-61-6	0.004	N	0.004	N	0.02	Y	0.02	Y	0.04	Y	0.004	N	0.004	N	0.004	N	0.004	N
	1,2,4-Trichlorobenzene	120-82-1	0.06	Y	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N
	1,2-Dichlorobenzene	95-50-1	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N
	1,3-Dichlorobenzene	541-73-1	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	1,4-Dichlorobenzene	106-46-7	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N

Notes:

N no

Y yes

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RII-806+00-NE20		RII-811+00-NE16		RII-811+00-NE16		RII-811+00-NE16		RII-811+00-NE16		RJJ-822+00-NE7		RJJ-822+00-NE7		RJJ-822+00-NE7		RJJ-822+00-NE7	
		Segment	5		5		5		5		5		5		5		5		5	
		Depth Range	5 - 7		0 - 1		1 - 3		3 - 4		4 - 5.6		0 - 1		1 - 1.7		1.7 - 3.7		3.7 - 5	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
Metal	Aluminum	7429-90-5	2300	Y	1700	Y	1500	Y	14000	Y	9000	Y	2600	Y	6400	Y	12000	Y	15000	Y
	Antimony	7440-36-0	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N
	Arsenic	7440-38-2	4	Y	1.5	Y	1.8	Y	5.7	Y	26	Y	1.7	Y	2.2	Y	6.6	Y	36	Y
	Barium	7440-39-3	20	Y	13	Y	14	Y	42	Y	31	Y	19	Y	25	Y	48	Y	65	Y
	Beryllium	7440-41-7	0.099	Y	0.041	N	0.041	N	0.22	Y	0.18	Y	0.093	Y	0.12	Y	0.25	Y	0.34	Y
	Boron	7440-42-8	8.8	Y	8.8	Y	8.1	Y	8.7	Y	10	Y	9.4	Y	9	Y	9.5	Y	12	Y
	Cadmium	7440-43-9	0.045	N	0.25	Y	0.045	N	0.47	Y	0.045	N	0.045	N	0.045	N	0.47	Y	0.045	N
	Calcium	7440-70-2	14000	Y	9000	Y	9200	Y	59000	Y	43000	Y	13000	Y	34000	Y	54000	Y	56000	Y
	Chromium (total)	7440-47-3	4.3	Y	4.3	Y	4.9	Y	21	Y	19	Y	6.1	Y	6.9	Y	21	Y	45	Y
	Cobalt	7440-48-4	1.9	Y	1.3	Y	1.3	Y	3.2	Y	2.6	Y	1.8	Y	2.1	Y	3.7	Y	3.9	Y
	Copper	7440-50-8	5	Y	3.7	Y	7.7	Y	62	Y	33	Y	5.4	Y	7.5	Y	48	Y	62	Y
	Gold	7440-57-5	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
	Iron	7439-89-6	4500	Y	3100	Y	2800	Y	25000	Y	6900	Y	4300	Y	5200	Y	22000	Y	24000	Y
	Lead	7439-92-1	8.2	Y	3	Y	4.6	Y	21	Y	32	Y	3.8	Y	5.8	Y	23	Y	43	Y
	Lithium	7439-93-2	4.2	Y	2.7	Y	2.5	Y	10	Y	7.6	Y	4.4	Y	5.8	Y	12	Y	14	Y
	Magnesium	7439-95-4	13000	Y	8800	Y	7300	Y	21000	Y	14000	Y	9900	Y	12000	Y	19000	Y	18000	Y
	Manganese	7439-96-5	130	Y	100	Y	94	Y	210	Y	200	Y	160	Y	180	Y	680	Y	630	Y
	Mercury	7439-97-6	0.054	Y	0.019	Y	0.026	Y	0.16	Y	0.15	Y	0.02	Y	0.03	Y	0.14	Y	0.31	Y
	Nickel	7440-02-0	3.8	Y	2.5	Y	2.6	Y	9.1	Y	6.7	Y	3.7	Y	4.5	Y	10	Y	10	Y
	Potassium	7440-09-7	340	Y	300	Y	220	Y	880	Y	600	Y	540	Y	570	Y	1100	Y	1300	Y
	Selenium	7782-49-2	0.012	N	0.012	N	0.012	N	0.15	Y	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	Silver	7440-22-4	18	Y	17	Y	16	Y	0.022	N	0.022	N	18	Y	17	Y	0.022	N	0.022	N
	Sodium	7440-23-5	79	Y	66	Y	61	Y	120	Y	110	Y	85	Y	97	Y	170	Y	210	Y
	Strontium	7440-24-6	33	Y	14	Y	18	Y	66	Y	70	Y	21	Y	26	Y	73	Y	98	Y
	Thallium	7440-28-0	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N
	Tin	7440-31-5	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N
	Titanium	7440-32-6	70	Y	67	Y	61	Y	89	Y	61	Y	76	Y	73	Y	61	Y	120	Y
	Vanadium	7440-62-2	6.1	Y	4.4	Y	3.9	Y	11	Y	8.5	Y	6.3	Y	7.6	Y	13	Y	15	Y
	Zinc	7440-66-6	14	Y	14	Y	22	Y	110	Y	35	Y	19	Y	24	Y	74	Y	61	Y
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,4'-DDD	53-19-0	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDD	72-54-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDE	72-55-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDT	50-29-3	0.004	N	0.004	N	0.004	N	0.16	Y	0.12	Y	0.004	N	0.04	Y	0.16	Y	0.004	N
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	alpha-BHC	319-84-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	ALPHA-CHLORDANE	5103-71-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	beta-BHC	319-85-7	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	delta-BHC	319-86-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Diallate (total)	2303-16-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dieldrin	60-57-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Dimethoate	60-51-5	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan I	959-98-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Endosulfan II	33213-65-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin	72-20-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endrin aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachlorobenzene	118-74-1	0.004	N	0.01	Y	0.03	Y	0.11	Y	0.9	Y	0.07	Y	0.02	Y	0.17	Y	3.9	Y
	Isodrin	465-73-6	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Octachlorostyrene	29082-74-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.04	Y
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Parathion	56-38-2	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Phorate	298-02-2	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RII-806+00-NE20		RII-811+00-NE16		RII-811+00-NE16		RII-811+00-NE16		RII-811+00-NE16		RJJ-822+00-NE7		RJJ-822+00-NE7		RJJ-822+00-NE7		RJJ-822+00-NE7	
		Segment	5		5		5		5		5		5		5		5		5	
		Depth Range	5 - 7		0 - 1		1 - 3		3 - 4		4 - 5.6		0 - 1		1 - 1.7		1.7 - 3.7		3.7 - 5	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Polybrominated biphenyls	67774-32-7	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
Styrene	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
(cont.)	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	0.005	N	0.06	Y	0.19	Y	0.06	Y	0.05	Y	0.005	N	0.12	Y	0.14	Y
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.21	Y	0.06	Y	0.004	N	0.004	N	0.2	Y	0.02	Y	0.004	N
	2,4,5-Trichlorophenol	95-95-4	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	2,4,6-Trichlorophenol	88-06-2	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	2,4-Dichlorophenol	120-83-2	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylnaphthalene	91-57-6	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N
	2-Methylphenol	95-48-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	3,3'-Dichlorobenzidine	91-94-1	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N
	3-Methylphenol	108-39-4	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	3-Nitroaniline	99-09-2	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Acenaphthene	83-32-9	0.11	Y	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
	Acenaphthylene	208-96-8	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.07	Y
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N
	Anthracene	120-12-7	0.17	Y	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(a)pyrene	50-32-8	0.47	Y	0.1	Y	0.029	N	0.19	Y	0.21	Y	0.1	Y	0.029	N	0.13	Y	0.69	Y
	Benzo(b)fluoranthene	205-99-2	0.74	Y	0.17	Y	0.039	N	0.039	N	0.15	Y	0.19	Y	0.039	N	0.26	Y	0.43	Y
	Benzo(g,h,i)perylene	191-24-2	0.15	Y	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	Benzo(k)fluoranthene	207-08-9	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N
	Benzyl alcohol	100-51-6	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	bis(2-Ethylhexyl)phthalate	117-81-7	0.047	N	0.047	N	0.047	N	0.11	Y	0.047	N	0.047	N	0.047	N	0.21	Y	0.047	N
	BISPHENOL A	80-05-7	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Carbazole	86-74-8	0.04	Y	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Chlorobenzilate	510-15-6	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Chrysene	218-01-9	0.57	Y	0.12	Y	0.028	N	0.12	Y	0.15	Y	0.14	Y	0.12	Y	0.19	Y	0.5	Y
	Dibenz(a,h)anthracene	53-70-3	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Diethylphthalate	84-66-2	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N
	Dimethyl phthalate	131-11-3	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	Di-n-butyl phthalate	84-74-2	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RII-806+00-NE20		RII-811+00-NE16		RII-811+00-NE16		RII-811+00-NE16		RII-811+00-NE16		RJJ-822+00-NE7		RJJ-822+00-NE7		RJJ-822+00-NE7		RJJ-822+00-NE7	
		Segment	5		5		5		5		5		5		5		5		5	
		Depth Range	5 - 7		0 - 1		1 - 3		3 - 4		4 - 5.6		0 - 1		1 - 1.7		1.7 - 3.7		3.7 - 5	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Fluoranthene	206-44-0	1.3	Y	0.5	Y	0.34	Y	0.52	Y	0.51	Y	0.51	Y	0.41	Y	0.44	Y	0.6	Y
	Fluorene	86-73-7	0.34	Y	0.3	Y	0.032	N	0.31	Y	0.032	N	0.032	N	0.032	N	0.3	Y	0.31	Y
	Hexachlorobutadiene	87-68-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachloroethane	67-72-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Isophorone	78-59-1	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Naphthalene	91-20-3	0.15	Y	0.047	N	0.047	N	0.1	Y	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	Nitrobenzene	98-95-3	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachlorobenzene	608-93-5	0.004	N	0.004	N	0.02	Y	0.05	Y	0.02	Y	0.004	N	0.004	N	0.04	Y	0.07	Y
	Pentachloronitrobenzene	82-68-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Pentachlorophenol	87-86-5	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Phenanthrene	85-01-8	0.57	Y	0.48	Y	0.05	N	0.15	Y	0.13	Y	0.05	N	0.05	N	0.1	Y	0.27	Y
	Phenol	108-95-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
SVOC	Pyrene	129-00-0	1.2	Y	0.61	Y	0.48	Y	0.6	Y	0.62	Y	0.6	Y	0.54	Y	0.58	Y	0.83	Y
(cont.)	Pyridine	110-86-1	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	Total Chlorophenols	TCLP_ERA_Dow	0.049	N	0.049	N	0.402	Y	0.252	Y	0.049	N	0.049	N	0.392	Y	0.212	Y	0.049	N
	Total Chlororbenzenes	TCLB_ERA_Dow	0.027	N	0.1165	Y	0.208	Y	0.517	Y	1.078	Y	0.2215	Y	0.1265	Y	0.467	Y	4.82	Y
	Total PAHs	TPAH_ERA_Dow	4.8305	Y	2.2905	Y	1.138	Y	2.1235	Y	1.832	Y	1.6115	Y	1.36	Y	1.9205	Y	3.3805	Y
VOC	1,2,3-Trichlorobenzene	87-61-6	0.004	N	0.004	N	0.004	N	0.01	Y	0.004	N	0.004	N	0.004	N	0.01	Y	0.004	N
	1,2,4-Trichlorobenzene	120-82-1	0.027	N	0.027	N	0.027	N	0.09	Y	0.027	N	0.027	N	0.027	N	0.06	Y	0.06	Y
	1,2-Dichlorobenzene	95-50-1	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.6	Y
	1,3-Dichlorobenzene	541-73-1	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	1,4-Dichlorobenzene	106-46-7	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N

Notes:

N no

Y yes

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RJJ-822+00-NE7		RJJ-842+00-NE4		RJJ-842+00-NE4		RJJ-842+00-NE4		RJJ-842+00-NE4		RJJ-851+50-NE20		RJJ-851+50-NE20		RJJ-851+50-NE20		RJJ-851+50-NE20	
		Segment	5		5		5		5		5		5		5		5		5	
		Depth Range	5 - 5.9		0 - 1		1 - 1.8		1.8 - 3.6		3.6 - 5.8		0 - 1		1 - 2.1		2.1 - 3.1		3.1 - 4	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
Metal	Aluminum	7429-90-5	16000	Y	11000	Y	11000	Y	11000	Y	18000	Y	5700	Y	6500	Y	3900	Y	8000	Y
	Antimony	7440-36-0	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	6.914	Y	8.619	Y	7.294	Y	5.415	Y
	Arsenic	7440-38-2	13	Y	3	Y	4.1	Y	15	Y	23	Y	3.615	Y	4.027	Y	5.492	Y	8.373	Y
	Barium	7440-39-3	50	Y	38	Y	41	Y	41	Y	57	Y	31.72	Y	33.45	Y	25.64	Y	51.07	Y
	Beryllium	7440-41-7	0.29	Y	0.19	Y	0.21	Y	0.23	Y	0.33	Y	0.154	Y	0.178	Y	0.142	Y	0.278	Y
	Boron	7440-42-8	12	Y	9.4	Y	9.9	Y	10	Y	13	Y	15.3	Y	17.67	Y	13.27	Y	11.73	Y
	Cadmium	7440-43-9	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.095	Y	0.16	Y	0.311	Y	0.47	Y
	Calcium	7440-70-2	61000	Y	45000	Y	47000	Y	44000	Y	71000	Y	20000	Y	20000	Y	17000	Y	37000	Y
	Chromium (total)	7440-47-3	13	Y	11	Y	14	Y	27	Y	20	Y	8.931	Y	10.79	Y	16.78	Y	25.81	Y
	Cobalt	7440-48-4	4.3	Y	3	Y	3.3	Y	2.9	Y	4.7	Y	10.74	Y	11.41	Y	9.342	Y	14.37	Y
	Copper	7440-50-8	12	Y	13	Y	21	Y	60	Y	28	Y	9.229	Y	16.11	Y	46.77	Y	86.44	Y
	Gold	7440-57-5	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
	Iron	7439-89-6	26000	Y	18000	Y	19000	Y	18000	Y	29000	Y	7400	Y	12000	Y	6900	Y	15000	Y
	Lead	7439-92-1	23	Y	9.2	Y	13	Y	25	Y	37	Y	6.295	Y	9.854	Y	13.26	Y	25.23	Y
	Lithium	7439-93-2	15	Y	9.2	Y	10	Y	9.9	Y	18	Y	6.633	Y	7.453	Y	5.694	Y	11.89	Y
	Magnesium	7439-95-4	23000	Y	16000	Y	18000	Y	14000	Y	27000	Y	8700	Y	9400	Y	7400	Y	10000	Y
	Manganese	7439-96-5	820	Y	620	Y	670	Y	190	Y	990	Y	210	Y	220	Y	110	Y	200	Y
	Mercury	7439-97-6	0.16	Y	0.048	Y	0.077	Y	0.21	Y	0.19	Y	0.038	Y	0.05	Y	0.26	Y	0.32	Y
	Nickel	7440-02-0	9.9	Y	6.8	Y	8	Y	8.8	Y	12	Y	6.334	Y	11.44	Y	8.71	Y	11.94	Y
	Potassium	7440-09-7	1500	Y	1000	Y	980	Y	900	Y	1700	Y	760	Y	810	Y	570	Y	970	Y
	Selenium	7782-49-2	0.012	N	0.012	N	0.012	N	0.012	N	0.28	Y	0.212	Y	0.252	Y	0.012	N	0.012	N
	Silver	7440-22-4	19	Y	18	Y	0.022	N	0.022	N	0.022	N	9.789	Y	10.71	Y	13.17	Y	9.857	Y
	Sodium	7440-23-5	200	Y	120	Y	140	Y	150	Y	230	Y	130	Y	250	Y	280	Y	72.19	Y
	Strontium	7440-24-6	63	Y	36	Y	43	Y	85	Y	88	Y	32.21	Y	35.97	Y	58.94	Y	110	Y
	Thallium	7440-28-0	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.441	Y
	Tin	7440-31-5	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N
	Titanium	7440-32-6	120	Y	97	Y	72	Y	110	Y	120	Y	71.83	Y	48.51	Y	110	Y	150	Y
	Vanadium	7440-62-2	17	Y	11	Y	12	Y	11	Y	17	Y	9.158	Y	10.01	Y	8.844	Y	14.73	Y
	Zinc	7440-66-6	42	Y	40	Y	61	Y	51	Y	51	Y	30.75	Y	49.35	Y	44.72	Y	61.95	Y
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,4'-DDD	53-19-0	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDD	72-54-8	0.005	N	0.005	N	0.005	N	0.04	Y	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDE	72-55-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.01	Y	0.01	Y	0.03	Y	0.04	Y
	4,4'-DDT	50-29-3	0.004	N	0.05	Y	0.004	N	0.23	Y	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	alpha-BHC	319-84-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	ALPHA-CHLORDANE	5103-71-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	beta-BHC	319-85-7	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.05	Y
	Chlorpyrifos	2921-88-2	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	delta-BHC	319-86-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.12	Y	0.004	N	0.004	N	0.004	N
	Diallate (total)	2303-16-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dieldrin	60-57-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.03	Y	0.17	Y	0.005	N	0.005	N
	Dimethoate	60-51-5	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan I	959-98-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Endosulfan II	33213-65-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin	72-20-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.12	Y	0.004	N	0.004	N
	Endrin aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachlorobenzene	118-74-1	0.07	Y	0.02	Y	0.07	Y	3.5	Y	0.04	Y	0.03	Y	0.04	Y	0.47	Y	0.54	Y
	Isodrin	465-73-6	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Octachlorostyrene	29082-74-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.02	Y	0.03	Y	0.19	Y	0.32	Y
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Parathion	56-38-2	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.13	Y	0.11	Y	0.0075	N
	Phorate	298-02-2	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RJJ-822+00-NE7		RJJ-842+00-NE4		RJJ-842+00-NE4		RJJ-842+00-NE4		RJJ-842+00-NE4		RJJ-851+50-NE20		RJJ-851+50-NE20		RJJ-851+50-NE20		RJJ-851+50-NE20	
		Segment	5		5		5		5		5		5		5		5		5	
		Depth Range	5 - 5.9		0 - 1		1 - 1.8		1.8 - 3.6		3.6 - 5.8		0 - 1		1 - 2.1		2.1 - 3.1		3.1 - 4	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Polybrominated biphenyls	67774-32-7	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.03	Y	0.23	Y	0.26	Y
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
Styrene	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
(cont.)	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	0.06	Y	0.07	Y	0.21	Y	0.005	N	0.005	N	0.03	Y	0.18	Y	0.14	Y
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.03	Y	0.03	Y	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	2,4,5-Trichlorophenol	95-95-4	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	2,4,6-Trichlorophenol	88-06-2	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	2,4-Dichlorophenol	120-83-2	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylnaphthalene	91-57-6	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N
	2-Methylphenol	95-48-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N								
	3,3'-Dichlorobenzidine	91-94-1	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.024	N	0.024	N	0.024	N	0.024	N
	3-Methylphenol	108-39-4	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	3-Nitroaniline	99-09-2	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Acenaphthene	83-32-9	0.04	Y	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
	Acenaphthylene	208-96-8	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N
	Anthracene	120-12-7	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(a)pyrene	50-32-8	0.29	Y	0.11	Y	0.029	N	0.64	Y	0.21	Y	0.12	Y	0.22	Y	0.22	Y	0.029	N
	Benzo(b)fluoranthene	205-99-2	0.37	Y	0.25	Y	0.1	Y	0.16	Y	0.34	Y	0.039	N	0.27	Y	0.15	Y	0.039	N
	Benzo(g,h,i)perylene	191-24-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	Benzo(k)fluoranthene	207-08-9	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.45	Y	0.65	Y
	Benzyl alcohol	100-51-6	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	bis(2-Ethylhexyl)phthalate	117-81-7	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	BISPHENOL A	80-05-7	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Carbazole	86-74-8	0.02	Y	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Chlorobenzilate	510-15-6	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Chrysene	218-01-9	0.51	Y	0.17	Y	0.1	Y	0.29	Y	0.25	Y	0.12	Y	0.028	N	0.19	Y	0.34	Y
	Dibenz(a,h)anthracene	53-70-3	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Diethylphthalate	84-66-2	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	3	Y	0.67	Y	0.13	Y	0.16	Y
	Dimethyl phthalate	131-11-3	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	Di-n-butyl phthalate	84-74-2	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.41	Y	0.91	Y
	DI-N-OCTYLPHTHALATE	117-84-0	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RJJ-822+00-NE7		RJJ-842+00-NE4		RJJ-842+00-NE4		RJJ-842+00-NE4		RJJ-842+00-NE4		RJJ-851+50-NE20		RJJ-851+50-NE20		RJJ-851+50-NE20		RJJ-851+50-NE20	
		Segment	5		5		5		5		5		5		5		5		5	
		Depth Range	5 - 5.9		0 - 1		1 - 1.8		1.8 - 3.6		3.6 - 5.8		0 - 1		1 - 2.1		2.1 - 3.1		3.1 - 4	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Fluoranthene	206-44-0	1.8	Y	0.51	Y	0.43	Y	0.57	Y	0.78	Y	0.29	Y	0.23	Y	0.08	Y	0.29	Y
	Fluorene	86-73-7	0.34	Y	0.3	Y	0.032	N	0.3	Y	0.31	Y	0.032	N	0.032	N	0.032	N	0.032	N
	Hexachlorobutadiene	87-68-3	0.07	Y	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.09	Y
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachloroethane	67-72-1	0.031	N	0.031	N	0.031	N	0.14	Y	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Isophorone	78-59-1	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Naphthalene	91-20-3	0.047	N	0.047	N	0.047	N	0.11	Y	0.047	N	0.047	N	0.047	N	0.13	Y	0.047	N
	Nitrobenzene	98-95-3	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachlorobenzene	608-93-5	0.004	N	0.004	N	0.02	Y	0.08	Y	0.004	N	0.004	N	0.01	Y	0.04	Y	0.04	Y
	Pentachloronitrobenzene	82-68-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Pentachlorophenol	87-86-5	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.4	N	0.027	N	0.4	N	0.4	N
	Phenanthrene	85-01-8	0.72	Y	0.15	Y	0.05	N	0.23	Y	0.24	Y	0.17	Y	0.15	Y	0.16	Y	0.36	Y
	Phenol	108-95-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N								
SVOC	Pyrene	129-00-0	1.5	Y	0.63	Y	0.53	Y	0.67	Y	0.8	Y	0.026	N	0.33	Y	0.37	Y	0.56	Y
(cont.)	Pyridine	110-86-1	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	Total Chlorophenols	TCLP_ERA_Dow	0.049	N	0.049	N	0.222	Y	0.222	Y	0.049	N	0.4	N	0.049	N	0.4	N	0.4	N
	Total Chlororbenzenes	TCLB_ERA_Dow	0.1765	Y	0.1815	Y	0.258	Y	4.665	Y	0.1465	Y	0.1365	Y	0.178	Y	0.947	Y	0.917	Y
	Total PAHs	TPAH_ERA_Dow	5.3675	Y	2.0505	Y	1.35	Y	2.9435	Y	2.7705	Y	0.938	Y	1.17	Y	1.713	Y	2.3885	Y
VOC	1,2,3-Trichlorobenzene	87-61-6	0.004	N	0.004	N	0.004	N	0.01	Y	0.004	N	0.004	N	0.004	N	0.09	Y	0.06	Y
	1,2,4-Trichlorobenzene	120-82-1	0.027	N	0.027	N	0.027	N	0.09	Y	0.027	N	0.027	N	0.027	N	0.1	Y	0.07	Y
	1,2-Dichlorobenzene	95-50-1	0.021	N	0.021	N	0.021	N	0.61	Y	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N
	1,3-Dichlorobenzene	541-73-1	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	1,4-Dichlorobenzene	106-46-7	0.021	N	0.021	N	0.021	N	0.14	Y	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N

Notes:

N no

Y yes

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RJJ-851+50-NE20		RJJ-851+50-NE20		RJJ-851+50-NE20		RKK-870+50-SW17		RKK-870+50-SW17		RKK-870+50-SW17		RLL-892+00-NE32		RLL-892+00-NE32		RLL-892+00-NE32	
		Segment	5		5		5		5		5		5		5		5		5	
		Depth Range	4 - 5.5		5.5 - 7		7 - 8.3		0 - 1		1 - 2.3		2.3 - 3.7		0 - 0.7		0.7 - 1		1 - 1.7	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
Metal	Aluminum	7429-90-5	8400	Y	11000	Y	10000	Y	1900	Y	2400	Y	2400	Y	16000	Y	13000	Y	13000	Y
	Antimony	7440-36-0	6.103	Y	5.895	Y	10	Y	0.023	N	0.023	N	0.023	N	12.28	Y	9.56	Y	9.102	Y
	Arsenic	7440-38-2	45.2	Y	35.09	Y	5.7	Y	2.6	Y	5.6	Y	2.1	Y	10.98	Y	33.81	Y	14.04	Y
	Barium	7440-39-3	74.19	Y	63.78	Y	44	Y	15	Y	16	Y	15	Y	66.51	Y	57.02	Y	51.41	Y
	Beryllium	7440-41-7	0.39	Y	0.402	Y	0.24	Y	0.041	N	0.099	Y	0.091	Y	0.345	Y	0.302	Y	0.275	Y
	Boron	7440-42-8	14.01	Y	12.39	Y	15	Y	12	Y	7.1	Y	9.8	Y	17.73	Y	16.48	Y	20.92	Y
	Cadmium	7440-43-9	0.835	Y	0.648	Y	0.11	Y	0.11	Y	0.045	N	0.045	N	0.394	Y	0.514	Y	0.344	Y
	Calcium	7440-70-2	39000	Y	50000	Y	38000	Y	9100	Y	9400	Y	11000	Y	41000	Y	43000	Y	43000	Y
	Chromium (total)	7440-47-3	51.16	Y	22.45	Y	9.9	Y	5	Y	7.2	Y	4.2	Y	22.86	Y	26.31	Y	12.34	Y
	Cobalt	7440-48-4	15.92	Y	20.13	Y	16	Y	1.5	Y	1.7	Y	1.6	Y	15.02	Y	13.61	Y	14.31	Y
	Copper	7440-50-8	77.38	Y	36.65	Y	7	Y	5.6	Y	9.7	Y	3.2	Y	40.1	Y	48.28	Y	16.67	Y
	Gold	7440-57-5	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
	Iron	7439-89-6	16000	Y	21000	Y	19000	Y	3600	Y	4100	Y	3800	Y	35000	Y	30000	Y	29000	Y
	Lead	7439-92-1	45.63	Y	49.02	Y	6.8	Y	4.2	Y	9.1	Y	2.8	Y	25.95	Y	41.27	Y	20.57	Y
	Lithium	7439-93-2	12.58	Y	19.84	Y	12	Y	3	Y	4	Y	3.9	Y	14.27	Y	11.46	Y	12.44	Y
	Magnesium	7439-95-4	9400	Y	16000	Y	15000	Y	6200	Y	7600	Y	9800	Y	17000	Y	14000	Y	18000	Y
	Manganese	7439-96-5	210	Y	530	Y	560	Y	110	Y	110	Y	110	Y	650	Y	470	Y	550	Y
	Mercury	7439-97-6	0.37	Y	0.19	Y	0.037	Y	0.025	Y	0.048	Y	0.012	Y	0.21	Y	0.29	Y	0.15	Y
	Nickel	7440-02-0	11.5	Y	13.93	Y	13	Y	3	Y	3.6	Y	3.5	Y	13.33	Y	10.41	Y	10.24	Y
	Potassium	7440-09-7	950	Y	1400	Y	1000	Y	400	Y	380	Y	430	Y	1400	Y	1100	Y	1300	Y
	Selenium	7782-49-2	0.012	N	0.139	Y	0.012	N	0.012	N	0.012	N	0.012	N	0.504	Y	0.409	Y	0.012	N
	Silver	7440-22-4	13	Y	13.82	Y	9.4	Y	20	Y	15	Y	18	Y	16.2	Y	14.5	Y	15.01	Y
	Sodium	7440-23-5	80.91	Y	82.22	Y	310	Y	93	Y	72	Y	85	Y	45.66	Y	40.84	Y	28.06	Y
	Strontium	7440-24-6	140	Y	110	Y	70	Y	17	Y	18	Y	21	Y	71.36	Y	92.65	Y	58.71	Y
	Thallium	7440-28-0	0.342	Y	0.351	Y	0.098	N	0.098	N	0.098	N	0.098	N	1.187	Y	1.313	Y	1.382	Y
	Tin	7440-31-5	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N
	Titanium	7440-32-6	110	Y	72.39	Y	84	Y	71	Y	59	Y	94	Y	78.05	Y	85.58	Y	98.17	Y
	Vanadium	7440-62-2	14.06	Y	19.3	Y	14	Y	5.3	Y	5.7	Y	6.4	Y	16.62	Y	13.57	Y	15.07	Y
	Zinc	7440-66-6	60.93	Y	60.66	Y	27	Y	17	Y	22	Y	11	Y	78.22	Y	57.27	Y	40.17	Y
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.02	N	0.02	N	0.02	N	0.075	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,4'-DDD	53-19-0	0.41	Y	0.005	N	0.005	N	0.023	N	0.005	N	0.005	N	0.22	Y	0.19	Y	0.005	N
	4,4'-DDD	72-54-8	0.7	Y	0.005	N	0.005	N	0.023	N	0.005	N	0.005	N	0.21	Y	0.21	Y	0.005	N
	4,4'-DDE	72-55-9	0.08	Y	0.005	N	0.005	N	0.023	N	0.005	N	0.005	N	0.07	Y	0.08	Y	0.005	N
	4,4'-DDT	50-29-3	0.41	Y	0.004	N	0.004	N	0.02	N	0.004	N	0.004	N	0.004	N	0.24	Y	0.004	N
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	0.02	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	alpha-BHC	319-84-6	1.1	Y	0.004	N	0.004	N	0.018	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	ALPHA-CHLORDANE	5103-71-9	0.004	N	0.004	N	0.004	N	0.02	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	beta-BHC	319-85-7	0.5	Y	0.004	N	0.004	N	0.02	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.011	N	0.011	N	0.011	N	0.055	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.005	N	0.005	N	0.005	N	0.023	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	delta-BHC	319-86-8	0.004	N	0.004	N	0.004	N	0.02	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Diallate (total)	2303-16-4	0.004	N	0.004	N	0.004	N	0.018	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dieldrin	60-57-1	0.005	N	0.005	N	0.005	N	0.03	N	0.005	N	0.005	N	0.32	Y	0.005	N	0.005	N
	Dimethoate	60-51-5	0.009	N	0.009	N	0.009	N	0.05	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.028	N	0.028	N	0.028	N	0.138	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0085	N	0.0085	N	0.0085	N	0.043	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan I	959-98-8	0.005	N	0.005	N	0.005	N	0.023	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Endosulfan II	33213-65-9	0.004	N	0.004	N	0.004	N	0.02	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.003	N	0.003	N	0.003	N	0.013	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin	72-20-8	0.004	N	0.004	N	0.004	N	0.02	N	0.004	N	0.004	N	0.03	Y	0.28	Y	0.004	N
	Endrin aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	0.03	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.011	N	0.011	N	0.011	N	0.055	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.005	N	0.005	N	0.005	N	0.03	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.004	N	0.004	N	0.004	N	0.018	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.004	N	0.004	N	0.004	N	0.018	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	0.02	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachlorobenzene	118-74-1	28	Y	0.38	Y	0.004	N	0.04	Y	0.13	Y	0.004	N	0.7	Y	2.3	Y	0.09	Y
	Isodrin	465-73-6	0.005	N	0.005	N	0.005	N	0.023	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.005	N	0.005	N	0.005	N	0.023	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.01	N	0.01	N	0.01	N	0.05	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0075	N	0.0075	N	0.0075	N	0.038	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.005	N	0.005	N	0.005	N	0.023	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Octachlorostyrene	29082-74-4	3.3	Y	0.08	Y	0.004	N	0.02	N	0.004	N	0.004	N	0.28	Y	1.1	Y	0.07	Y
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	0.02	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Parathion	56-38-2	0.0075	N	0.21	Y	0.0075	N	0.038	N	0.0075	N	0.0075	N	0.03	Y	0.0075	N	0.0075	N
	Phorate	298-02-2	0.005	N	0.005	N	0.005	N	0.023	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RJJ-851+50-NE20		RJJ-851+50-NE20		RJJ-851+50-NE20		RKK-870+50-SW17		RKK-870+50-SW17		RKK-870+50-SW17		RLL-892+00-NE32		RLL-892+00-NE32		RLL-892+00-NE32	
		Segment	5		5		5		5		5		5		5		5		5	
		Depth Range	4 - 5.5		5.5 - 7		7 - 8.3		0 - 1		1 - 2.3		2.3 - 3.7		0 - 0.7		0.7 - 1		1 - 1.7	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Polybrominated biphenyls	67774-32-7	0.018	N	0.018	N	0.018	N	0.09	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	0.02	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.009	N	0.009	N	0.009	N	0.05	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0085	N	0.0085	N	0.0085	N	0.043	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.083	N	0.083	N	0.083	N	0.42	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.005	N	0.005	N	0.005	N	0.023	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	5	Y	0.11	Y	0.02	N	0.075	N	0.02	N	0.02	N	0.25	Y	1.7	Y	0.09	Y
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.02	N	0.02	N	0.02	N	0.075	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.02	N	0.02	N	0.02	N	0.075	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
Styrene	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	N	0.02	N	0.02	N	0.075	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
(cont.)	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.02	N	0.02	N	0.02	N	0.075	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.02	N	0.02	N	0.02	N	0.075	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.72	Y	0.02	Y	0.005	N	0.03	N	0.05	Y	0.005	N	0.03	Y	0.06	Y	0.005	N
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.31	Y	0.003	N	0.003	N	0.013	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	N	0.038	N	0.038	N	0.188	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.004	N	0.02	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	2,4,5-Trichlorophenol	95-95-4	0.028	N	0.028	N	0.028	N	0.14	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	2,4,6-Trichlorophenol	88-06-2	0.16	Y	0.03	N	0.03	N	0.2	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	2,4-Dichlorophenol	120-83-2	0.034	N	0.034	N	0.034	N	0.168	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.041	N	0.041	N	0.041	N	0.21	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.0995	N	0.0995	N	0.0995	N	0.498	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.024	N	0.024	N	0.024	N	0.12	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.012	N	0.012	N	0.012	N	0.0575	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.032	N	0.032	N	0.032	N	0.16	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.037	N	0.037	N	0.037	N	0.183	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.049	N	0.049	N	0.049	N	0.243	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylnaphthalene	91-57-6	0.04	N	0.04	N	0.04	N	0.2	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N
	2-Methylphenol	95-48-7	0.031	N	0.031	N	0.031	N	0.16	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.026	N	0.026	N	0.026	N	0.128	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.044	N	0.044	N	0.044	N	0.22	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7							0.06	N	0.012	N	0.012	N						
	3,3'-Dichlorobenzidine	91-94-1	0.024	N	0.024	N	0.024	N	1.21	N	0.242	N	0.242	N	0.024	N	0.024	N	0.024	N
	3-Methylphenol	108-39-4	0.036	N	0.036	N	0.036	N	0.18	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	3-Nitroaniline	99-09-2	0.0515	N	0.0515	N	0.0515	N	0.258	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	0.43	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.047	N	0.047	N	0.047	N	0.24	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.032	N	0.032	N	0.032	N	0.16	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	N	0.044	N	0.044	N	0.22	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.031	N	0.031	N	0.031	N	0.16	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	0.5	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.062	N	0.062	N	0.062	N	0.31	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Acenaphthene	83-32-9	0.013	N	0.013	N	0.013	N	0.065	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
	Acenaphthylene	208-96-8	0.17	Y	0.032	N	0.032	N	0.158	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	0.23	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N
	Anthracene	120-12-7	0.048	N	0.048	N	0.048	N	0.24	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	0.2	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	0.575	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.029	N	0.029	N	0.029	N	0.143	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(a)pyrene	50-32-8	0.78	Y	0.15	Y	0.14	Y	0.143	N	0.1	Y	0.13	Y	0.16	Y	0.46	Y	0.16	Y
	Benzo(b)fluoranthene	205-99-2	0.13	Y	0.039	N	0.039	N	0.193	N	0.17	Y	0.17	Y	0.039	N	0.47	Y	0.039	N
	Benzo(g,h,i)perylene	191-24-2	0.033	N	0.033	N	0.033	N	0.163	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	Benzo(k)fluoranthene	207-08-9	0.052	N	0.32	Y	0.052	N	0.26	N	0.052	N	0.052	N	0.1	Y	0.052	N	0.052	N
	Benzyl alcohol	100-51-6	0.153	N	0.153	N	0.153	N	0.765	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.031	N	0.031	N	0.031	N	0.16	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.022	N	0.022	N	0.022	N	0.108	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	bis(2-Ethylhexyl)phthalate	117-81-7	0.047	N	0.047	N	0.047	N	0.24	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	BISPHENOL A	80-05-7	0.022	N	0.022	N	0.022	N	0.11	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.045	N	0.045	N	0.045	N	0.223	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Carbazole	86-74-8	0.005	N	0.005	N	0.005	N	0.03	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Chlorobenzilate	510-15-6	0.003	N	0.003	N	0.003	N	0.013	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Chrysene	218-01-9	0.88	Y	0.22	Y	0.16	Y	0.14	N	0.09	Y	0.14	Y	0.15	Y	0.43	Y	0.028	N
	Dibenz(a,h)anthracene	53-70-3	0.048	N	0.048	N	0.048	N	0.24	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Diethylphthalate	84-66-2	0.51	Y	0.53	Y	1.1	Y	0.28	N	0.056	N	0.056	N	0.056	N	1.3	Y	1.3	Y
	Dimethyl phthalate	131-11-3	0.024	N	0.024	N	0.024	N	0.118	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	Di-n-butyl phthalate	84-74-2	0.97	Y	0.2	Y	0.38	Y	0.29	N	0.057	N	0.057	N	0.18	Y	0.057	N	0.22	Y
	DI-N-OCTYLPHTHALATE	117-84-0	0.046	N	0.046	N	0.046	N	0.228	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RJJ-851+50-NE20		RJJ-851+50-NE20		RJJ-851+50-NE20		RKK-870+50-SW17		RKK-870+50-SW17		RKK-870+50-SW17		RLL-892+00-NE32		RLL-892+00-NE32		RLL-892+00-NE32	
		Segment	5		5		5		5		5		5		5		5		5	
		Depth Range	4 - 5.5		5.5 - 7		7 - 8.3		0 - 1		1 - 2.3		2.3 - 3.7		0 - 0.7		0.7 - 1		1 - 1.7	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Fluoranthene	206-44-0	0.26	Y	0.029	N	0.19	Y	0.75	N	0.42	Y	0.49	Y	0.029	N	0.2	Y	0.029	N
	Fluorene	86-73-7	0.032	N	0.31	Y	0.032	N	0.158	N	0.032	N	0.28	Y	0.032	N	0.032	N	0.032	N
	Hexachlorobutadiene	87-68-3	0.64	Y	0.19	Y	0.03	N	0.148	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.004	N	0.004	N	0.004	N	0.018	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachloroethane	67-72-1	0.031	N	0.031	N	0.031	N	0.16	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	Indeno(1,2,3-cd)pyrene	193-39-5	0.06	Y	0.028	N	0.028	N	0.14	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Isophorone	78-59-1	0.028	N	0.028	N	0.028	N	0.138	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Naphthalene	91-20-3	0.047	N	0.047	N	0.047	N	0.24	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	Nitrobenzene	98-95-3	0.034	N	0.034	N	0.034	N	0.17	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.029	N	0.029	N	0.029	N	0.143	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.031	N	0.031	N	0.031	N	0.153	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.028	N	0.028	N	0.028	N	0.14	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachlorobenzene	608-93-5	0.34	Y	0.01	Y	0.004	N	0.018	N	0.004	N	0.004	N	0.01	Y	0.04	Y	0.004	N
	Pentachloronitrobenzene	82-68-8	0.005	N	0.005	N	0.005	N	0.023	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Pentachlorophenol	87-86-5	0.4	N	0.027	N	0.027	N	0.043	N	0.0085	N	0.0085	N	0.4	N	0.4	N	0.027	N
	Phenanthrene	85-01-8	0.42	Y	0.2	Y	0.17	Y	0.248	N	0.05	N	0.55	Y	0.05	N	0.25	Y	0.15	Y
	Phenol	108-95-2	0.033	N	0.033	N	0.033	N	0.17	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4							0.065	N	0.013	N	0.013	N						
SVOC	Pyrene	129-00-0	0.63	Y	0.31	Y	0.34	Y	1.2	N	0.55	Y	0.59	Y	0.16	Y	0.5	Y	0.26	Y
(cont.)	Pyridine	110-86-1	0.036	N	0.036	N	0.036	N	0.18	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	Total Chlorophenols	TCLP_ERA_Dow	0.7175	Y	0.049	N	0.049	N	0.243	N	0.049	N	0.049	N	0.4	N	0.4	N	0.049	N
	Total Chlororbenzenes	TCLB_ERA_Dow	30.405	Y	0.567	Y	0.027	N	0.5725	Y	0.2815	Y	0.027	N	0.854	Y	2.498	Y	0.1965	Y
	Total PAHs	TPAH_ERA_Dow	3.182	Y	1.6675	Y	1.212	Y	1.2	N	1.4215	Y	2.3605	Y	0.8085	Y	2.052	Y	0.839	Y
VOC	1,2,3-Trichlorobenzene	87-61-6	0.33	Y	0.004	N	0.004	N	0.02	N	0.004	N	0.004	N	0.02	Y	0.004	N	0.004	N
	1,2,4-Trichlorobenzene	120-82-1	0.38	Y	0.027	N	0.027	N	0.14	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N
	1,2-Dichlorobenzene	95-50-1	0.56	Y	0.021	N	0.021	N	0.11	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N
	1,3-Dichlorobenzene	541-73-1	0.03	N	0.03	N	0.03	N	0.13	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	1,4-Dichlorobenzene	106-46-7	0.05	Y	0.08	Y	0.021	N	0.11	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N

Notes:

N no

Y yes

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RLL-892+00-NE32		RLL-892+00-NE32		RMM-903+50-NE17		RMM-903+50-NE17		RMM-903+50-NE17		RMM-926+00-SW13		RNN-954+50-SW7		RNN-954+50-SW7		RNN-954+50-SW7	
		Segment	5		5		5		5		5		5		6		6		6	
		Depth Range	1.7 - 3.7		3.7 - 5		0 - 0.4		0.4 - 1		1 - 2		4.2 - 5.8		0.5 - 1		1 - 2.5		2.5 - 4.1	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
Metal	Aluminum	7429-90-5	8200	Y	7600	Y	15000	Y	14000	Y	11000	Y	10000	Y	24000	Y	3200	Y	3000	Y
	Antimony	7440-36-0	6.602	Y	8.251	Y	0.023	N	0.023	N	0.023	N	7	Y	0.023	N	0.023	N	0.023	N
	Arsenic	7440-38-2	6.507	Y	4.933	Y	5.5	Y	5.3	Y	5.9	Y	5.1	Y	6	Y	21	Y	5.4	Y
	Barium	7440-39-3	39.34	Y	36.88	Y	57	Y	49	Y	41	Y	56	Y	23	Y	30	Y	23	Y
	Beryllium	7440-41-7	0.194	Y	0.235	Y	0.39	Y	0.43	Y	0.36	Y	0.24	Y	0.12	Y	0.15	Y	0.12	Y
	Boron	7440-42-8	16.66	Y	21.64	Y	12	Y	14	Y	9.5	Y	15	Y	8.9	Y	9.9	Y	12	Y
	Cadmium	7440-43-9	0.125	Y	0.045	N	0.045	N	0.045	N	0.045	N	0.3	Y	0.045	N	0.045	N	0.045	N
	Calcium	7440-70-2	32000	Y	41000	Y	36000	Y	36000	Y	35000	Y	25000	Y	48000	Y	55000	Y	47000	Y
	Chromium (total)	7440-47-3	7.742	Y	9.428	Y	18	Y	17	Y	11	Y	21	Y	13	Y	17	Y	5.8	Y
	Cobalt	7440-48-4	9.573	Y	21.11	Y	4.4	Y	4.1	Y	3.4	Y	15	Y	1.8	Y	2.3	Y	2.1	Y
	Copper	7440-50-8	6.371	Y	4.797	Y	29	Y	25	Y	13	Y	52	Y	43	Y	34	Y	12	Y
	Gold	7440-57-5	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
	Iron	7439-89-6	19000	Y	28000	Y	19000	Y	17000	Y	15000	Y	8600	Y	6100	Y	7400	Y	7000	Y
	Lead	7439-92-1	8.449	Y	5.184	Y	22	Y	23	Y	21	Y	21	Y	13	Y	20	Y	15	Y
	Lithium	7439-93-2	8.299	Y	8.351	Y	16	Y	14	Y	11	Y	12	Y	4.5	Y	5.4	Y	4.8	Y
	Magnesium	7439-95-4	12000	Y	17000	Y	15000	Y	15000	Y	15000	Y	13000	Y	21000	Y	23000	Y	20000	Y
	Manganese	7439-96-5	360	Y	140	Y	520	Y	240	Y	370	Y	230	Y	100	Y	150	Y	690	Y
	Mercury	7439-97-6	0.069	Y	0.021	Y	0.093	Y	0.12	Y	0.098	Y	0.13	Y	0.17	Y	0.16	Y	0.088	Y
	Nickel	7440-02-0	6.861	Y	8.877	Y	13	Y	13	Y	9.6	Y	12	Y	5.4	Y	5.5	Y	4.3	Y
	Potassium	7440-09-7	820	Y	690	Y	1700	Y	1400	Y	1100	Y	970	Y	310	Y	390	Y	330	Y
	Selenium	7782-49-2	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.3	Y	0.012	N	0.012	N	0.012	N
	Silver	7440-22-4	11.77	Y	180	Y	0.022	N	0.022	N	0.022	N	12	Y	0.022	N	0.022	N	0.022	N
	Sodium	7440-23-5	17.55	Y	66.55	Y	180	Y	270	Y	160	Y	240	Y	71	Y	88	Y	95	Y
	Strontium	7440-24-6	57.16	Y	61.72	Y	48	Y	56	Y	45	Y	85	Y	42	Y	58	Y	51	Y
	Thallium	7440-28-0	1.366	Y	0.772	Y	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N
	Tin	7440-31-5	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N
	Titanium	7440-32-6	97.34	Y	100	Y	140	Y	170	Y	120	Y	83	Y	63	Y	64	Y	63	Y
	Vanadium	7440-62-2	11.49	Y	13.4	Y	16	Y	16	Y	12	Y	12	Y	6	Y	6.9	Y	6.5	Y
	Zinc	7440-66-6	25.25	Y	20.17	Y	60	Y	48	Y	34	Y	120	Y	33	Y	29	Y	20	Y
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,4'-DDD	53-19-0	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDD	72-54-8	0.005	N	0.005	N	0.005	N	0.005	N	0.14	Y	0.005	N	0.005	N	0.04	Y	0.005	N
	4,4'-DDE	72-55-9	0.005	N	0.005	N	0.14	Y	0.16	Y	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDT	50-29-3	0.004	N	0.004	N	0.07	Y	0.1	Y	0.08	Y	0.004	N	0.11	Y	0.22	Y	0.004	N
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	alpha-BHC	319-84-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	ALPHA-CHLORDANE	5103-71-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	beta-BHC	319-85-7	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	delta-BHC	319-86-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Diallate (total)	2303-16-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dieldrin	60-57-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.08	Y	0.005	N	0.005	N	0.005	N
	Dimethoate	60-51-5	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan I	959-98-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Endosulfan II	33213-65-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin	72-20-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endrin aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachlorobenzene	118-74-1	0.01	Y	0.004	N	0.04	Y	0.08	Y	0.09	Y	0.09	Y	0.14	Y	1.2	Y	0.1	Y
	Isodrin	465-73-6	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Octachlorostyrene	29082-74-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.06	Y	0.004	N
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Parathion	56-38-2	0.04	Y	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.06	Y	0.0075	N	0.0075	N	0.0075	N
	Phorate	298-02-2	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RLL-892+00-NE32		RLL-892+00-NE32		RMM-903+50-NE17		RMM-903+50-NE17		RMM-903+50-NE17		RMM-926+00-SW13		RNN-954+50-SW7		RNN-954+50-SW7		RNN-954+50-SW7	
		Segment	5		5		5		5		5		5		6		6		6	
		Depth Range	1.7 - 3.7		3.7 - 5		0 - 0.4		0.4 - 1		1 - 2		4.2 - 5.8		0.5 - 1		1 - 2.5		2.5 - 4.1	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Polybrominated biphenyls	67774-32-7	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
Styrene	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
(cont.)	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	0.005	N	0.07	Y	0.06	Y	0.005	N	0.1	Y	0.09	Y	0.15	Y	0.005	N
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.26	Y	0.004	N	0.004	N	0.004	N
	2,4,5-Trichlorophenol	95-95-4	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	2,4,6-Trichlorophenol	88-06-2	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	2,4-Dichlorophenol	120-83-2	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylnaphthalene	91-57-6	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N
	2-Methylphenol	95-48-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7					0.012	N	0.012	N	0.012	N			0.012	N	0.012	N	0.012	N
	3,3'-Dichlorobenzidine	91-94-1	0.024	N	0.024	N	0.242	N	0.242	N	0.242	N	0.024	N	0.242	N	0.242	N	0.242	N
	3-Methylphenol	108-39-4	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	3-Nitroaniline	99-09-2	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Acenaphthene	83-32-9	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
	Acenaphthylene	208-96-8	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N
	Anthracene	120-12-7	0.12	Y	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(a)pyrene	50-32-8	0.39	Y	0.25	Y	0.15	Y	0.029	N	0.029	N	0.12	Y	0.029	N	0.12	Y	0.07	Y
	Benzo(b)fluoranthene	205-99-2	0.68	Y	0.039	N	0.039	N	0.08	Y	0.039	N	0.039	N	0.039	N	0.09	Y	0.039	N
	Benzo(g,h,i)perylene	191-24-2	0.14	Y	0.13	Y	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	Benzo(k)fluoranthene	207-08-9	0.052	N	0.29	Y	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N
	Benzyl alcohol	100-51-6	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	bis(2-Ethylhexyl)phthalate	117-81-7	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	2	Y	0.047	N	0.15	Y	0.047	N
	BISPHENOL A	80-05-7	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Carbazole	86-74-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Chlorobenzilate	510-15-6	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Chrysene	218-01-9	0.37	Y	0.18	Y	0.14	Y	0.09	Y	0.028	N	0.028	N	0.1	Y	0.25	Y	0.1	Y
	Dibenz(a,h)anthracene	53-70-3	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Diethylphthalate	84-66-2	0.56	Y	1	Y	0.056	N	0.056	N	0.056	N	0.39	Y	0.056	N	0.056	N	0.056	N
	Dimethyl phthalate	131-11-3	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	Di-n-butyl phthalate	84-74-2	0.39	Y	0.32	Y	0.057	N	0.057	N	0.057	N	0.12	Y	0.057	N	0.057	N	0.057	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RLL-892+00-NE32		RLL-892+00-NE32		RMM-903+50-NE17		RMM-903+50-NE17		RMM-903+50-NE17		RMM-926+00-SW13		RNN-954+50-SW7		RNN-954+50-SW7		RNN-954+50-SW7	
		Segment	5		5		5		5		5		5		6		6		6	
		Depth Range	1.7 - 3.7		3.7 - 5		0 - 0.4		0.4 - 1		1 - 2		4.2 - 5.8		0.5 - 1		1 - 2.5		2.5 - 4.1	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Fluoranthene	206-44-0	0.58	Y	0.029	N	0.51	Y	0.4	Y	0.39	Y	0.11	Y	0.45	Y	0.61	Y	0.4	Y
	Fluorene	86-73-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.31	Y	0.032	N
	Hexachlorobutadiene	87-68-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachloroethane	67-72-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Isophorone	78-59-1	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Naphthalene	91-20-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	Nitrobenzene	98-95-3	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachlorobenzene	608-93-5	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.02	Y	0.02	Y	0.05	Y	0.004	N
	Pentachloronitrobenzene	82-68-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Pentachlorophenol	87-86-5	0.4	N	0.4	N	0.0085	N	0.0085	N	0.0085	N	0.4	N	0.0085	N	0.023	Y	0.019	Y
	Phenanthrene	85-01-8	0.53	Y	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.1	Y	0.27	Y	0.05	N
	Phenol	108-95-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4					0.013	N	0.013	N	0.013	N			0.013	N	0.013	N	0.013	N
SVOC	Pyrene	129-00-0	0.84	Y	0.23	Y	0.63	Y	0.026	N	0.55	Y	0.14	Y	0.55	Y	0.66	Y	0.026	N
(cont.)	Pyridine	110-86-1	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	Total Chlorophenols	TCLP_ERA_Dow	0.4	N	0.4	N	0.049	N	0.049	N	0.049	N	0.8435	Y	0.049	N	0.2105	Y	0.2065	Y
	Total Chlororbenzenes	TCLB_ERA_Dow	0.1165	Y	0.027	N	0.2115	Y	0.2415	Y	0.1965	Y	0.357	Y	0.933	Y	1.514	Y	0.2065	Y
	Total PAHs	TPAH_ERA_Dow	2.922	Y	1.1885	Y	1.6915	Y	0.806	Y	1.258	Y	0.6595	Y	1.4405	Y	2.4005	Y	0.8575	Y
VOC	1,2,3-Trichlorobenzene	87-61-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.03	Y	0.02	Y	0.004	N
	1,2,4-Trichlorobenzene	120-82-1	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N
	1,2-Dichlorobenzene	95-50-1	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.58	Y	0.021	N	0.021	N
	1,3-Dichlorobenzene	541-73-1	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	1,4-Dichlorobenzene	106-46-7	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.07	Y	0.021	N	0.021	N	0.021	N

Notes:

N no

Y yes

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RNN-954+50-SW7		RPP-993+00-SW19		RPP-993+00-SW19		RPP-993+00-SW19		RPP-993+00-SW19		RPP-993+00-SW19		RRR-1034+00-SW41		RRR-1040+50-NE21		RRR-1040+50-NE21	
		Segment	6		6		6		6		6		6		6		6		6	
		Depth Range	4.1 - 6.1		0 - 0.5		0.5 - 1		1 - 1.6		1.6 - 3.1		3.1 - 4.7		0 - 1		0 - 0.5		0.5 - 1	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
Metal	Aluminum	7429-90-5	20000	Y	2100	Y	1600	Y	2300	Y	2600	Y	2900	Y	30000	Y	730	Y	920	Y
	Antimony	7440-36-0	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N
	Arsenic	7440-38-2	6.4	Y	1.4	Y	1.3	Y	2.2	Y	12	Y	5.8	Y	7.2	Y	0.88	Y	1.1	Y
	Barium	7440-39-3	31	Y	15	Y	13	Y	16	Y	19	Y	24	Y	61	Y	5.1	Y	7.6	Y
	Beryllium	7440-41-7	0.16	Y	0.041	N	0.041	N	0.098	Y	0.12	Y	0.13	Y	0.31	Y	0.041	N	0.041	N
	Boron	7440-42-8	12	Y	11	Y	9.6	Y	9.4	Y	8.4	Y	12	Y	15	Y	8.4	Y	6.6	Y
	Cadmium	7440-43-9	0.045	N	0.045	N	0.098	Y	0.16	Y	0.045	N	0.28	Y	0.045	N	0.045	N	0.045	N
	Calcium	7440-70-2	68000	Y	11000	Y	9300	Y	11000	Y	47000	Y	62000	Y	8900	Y	4200	Y	4900	Y
	Chromium (total)	7440-47-3	7.1	Y	5.3	Y	5.3	Y	9.1	Y	13	Y	6.7	Y	15	Y	2	Y	2.7	Y
	Cobalt	7440-48-4	3	Y	1.5	Y	1.4	Y	1.6	Y	1.8	Y	2.4	Y	4.3	Y	0.81	Y	0.98	Y
	Copper	7440-50-8	9.7	Y	5.6	Y	7.1	Y	19	Y	18	Y	8.5	Y	23	Y	1.9	Y	2.6	Y
	Gold	7440-57-5	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
	Iron	7439-89-6	45000	Y	3900	Y	3400	Y	4400	Y	4800	Y	6400	Y	53000	Y	1900	Y	2500	Y
	Lead	7439-92-1	12	Y	4.1	Y	4.7	Y	8.5	Y	12	Y	12	Y	19	Y	1.1	Y	1.6	Y
	Lithium	7439-93-2	7.9	Y	3.5	Y	2.8	Y	3.8	Y	4.4	Y	5.5	Y	12	Y	1.1	Y	1.4	Y
	Magnesium	7439-95-4	36000	Y	12000	Y	11000	Y	13000	Y	15000	Y	20000	Y	24000	Y	6700	Y	8600	Y
	Manganese	7439-96-5	1000	Y	100	Y	84	Y	89	Y	100	Y	620	Y	1100	Y	46	Y	56	Y
	Mercury	7439-97-6	0.089	Y			0.034	Y	0.079	Y	0.11	Y	0.067	Y	0.12	Y			0.011	Y
	Nickel	7440-02-0	6.4	Y	3.1	Y	2.8	Y	4	Y	4.1	Y	5.1	Y	10	Y	1.1	Y	1.5	Y
	Potassium	7440-09-7	530	Y	400	Y	260	Y	370	Y	440	Y	510	Y	750	Y	84	Y	100	Y
	Selenium	7782-49-2	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	Silver	7440-22-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Sodium	7440-23-5	120	Y	64	Y	47	Y	56	Y	69	Y	110	Y	120	Y	44	Y	40	Y
	Strontium	7440-24-6	52	Y	17	Y	14	Y	19	Y	28	Y	39	Y	39	Y	6.2	Y	8.1	Y
	Thallium	7440-28-0	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N
	Tin	7440-31-5	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N
	Titanium	7440-32-6	68	Y	100	Y	86	Y	110	Y	120	Y	110	Y	53	Y	32	Y	37	Y
	Vanadium	7440-62-2	9.2	Y	5.5	Y	4.6	Y	5.8	Y	6.3	Y	7.9	Y	14	Y	1.9	Y	2.5	Y
	Zinc	7440-66-6	24	Y	19	Y	21	Y	37	Y	22	Y	21	Y	52	Y	6.3	Y	8.9	Y
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,4'-DDD	53-19-0	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDD	72-54-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.07	Y
	4,4'-DDE	72-55-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.07	Y	0.005	N	0.005	N
	4,4'-DDT	50-29-3	0.004	N	0.03	Y	0.004	N	0.04	Y	0.06	Y	0.004	N	0.004	N	0.004	N	0.16	Y
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	alpha-BHC	319-84-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	ALPHA-CHLORDANE	5103-71-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	beta-BHC	319-85-7	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	delta-BHC	319-86-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Diallate (total)	2303-16-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dieldrin	60-57-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Dimethoate	60-51-5	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan I	959-98-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Endosulfan II	33213-65-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin	72-20-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endrin aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachlorobenzene	118-74-1	0.02	Y	0.004	N	0.004	N	0.01	Y	0.25	Y	0.01	Y	0.03	Y	0.004	N	0.004	N
	Isodrin	465-73-6	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Octachlorostyrene	29082-74-4	0.004	N	0.004	N	0.004	N	0.004	N	0.02	Y	0.004	N	0.004	N	0.004	N	0.004	N
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Parathion	56-38-2	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Phorate	298-02-2	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RNN-954+50-SW7		RPP-993+00-SW19		RPP-993+00-SW19		RPP-993+00-SW19		RPP-993+00-SW19		RPP-993+00-SW19		RRR-1034+00-SW41		RRR-1040+50-NE21		RRR-1040+50-NE21	
		Segment	6		6		6		6		6		6		6		6		6	
		Depth Range	4.1 - 6.1		0 - 0.5		0.5 - 1		1 - 1.6		1.6 - 3.1		3.1 - 4.7		0 - 1		0 - 0.5		0.5 - 1	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Polybrominated biphenyls	67774-32-7	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.02	N	0.02	N	0.02	N	0.02	N	0.1	Y	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
Styrene	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
(cont.)	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	0.005	N	0.06	Y	0.05	Y	0.05	Y	0.005	N	0.005	N	0.05	Y	0.06	Y
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	2,4,5-Trichlorophenol	95-95-4	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	2,4,6-Trichlorophenol	88-06-2	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	2,4-Dichlorophenol	120-83-2	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylnaphthalene	91-57-6	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N
	2-Methylphenol	95-48-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	3,3'-Dichlorobenzidine	91-94-1	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N
	3-Methylphenol	108-39-4	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	3-Nitroaniline	99-09-2	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Acenaphthene	83-32-9	0.03	Y	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
	Acenaphthylene	208-96-8	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N
	Anthracene	120-12-7	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(a)pyrene	50-32-8	0.29	Y	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(b)fluoranthene	205-99-2	0.31	Y	0.039	N	0.039	N	0.039	N	0.039	N	0.039	N	0.039	N	0.039	N	0.039	N
	Benzo(g,h,i)perylene	191-24-2	0.08	Y	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	Benzo(k)fluoranthene	207-08-9	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N
	Benzyl alcohol	100-51-6	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	bis(2-Ethylhexyl)phthalate	117-81-7	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	BISPHENOL A	80-05-7	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Carbazole	86-74-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Chlorobenzilate	510-15-6	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Chrysene	218-01-9	0.3	Y	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.09	Y	0.1	Y	0.028	N
	Dibenz(a,h)anthracene	53-70-3	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Diethylphthalate	84-66-2	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N
	Dimethyl phthalate	131-11-3	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	Di-n-butyl phthalate	84-74-2	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RNN-954+50-SW7		RPP-993+00-SW19		RPP-993+00-SW19		RPP-993+00-SW19		RPP-993+00-SW19		RPP-993+00-SW19		RRR-1034+00-SW41		RRR-1040+50-NE21		RRR-1040+50-NE21	
		Segment	6		6		6		6		6		6		6		6		6	
		Depth Range	4.1 - 6.1		0 - 0.5		0.5 - 1		1 - 1.6		1.6 - 3.1		3.1 - 4.7		0 - 1		0 - 0.5		0.5 - 1	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Fluoranthene	206-44-0	0.85	Y	0.32	Y	0.28	Y	0.3	Y	0.31	Y	0.32	Y	0.4	Y	0.39	Y	0.27	Y
	Fluorene	86-73-7	0.33	Y	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Hexachlorobutadiene	87-68-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachloroethane	67-72-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Isophorone	78-59-1	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Naphthalene	91-20-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	Nitrobenzene	98-95-3	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachlorobenzene	608-93-5	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Pentachloronitrobenzene	82-68-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Pentachlorophenol	87-86-5	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Phenanthrene	85-01-8	0.47	Y	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.15	Y	0.05	N
	Phenol	108-95-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
SVOC	Pyrene	129-00-0	0.86	Y	0.47	Y	0.43	Y	0.43	Y	0.45	Y	0.45	Y	0.56	Y	0.5	Y	0.42	Y
(cont.)	Pyridine	110-86-1	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	Total Chlorophenols	TCLP_ERA_Dow	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	Total Chlororbenzenes	TCLB_ERA_Dow	0.1265	Y	0.027	N	0.1655	Y	0.1615	Y	0.4015	Y	0.1165	Y	0.1365	Y	0.1555	Y	0.1655	Y
	Total PAHs	TPAH_ERA_Dow	3.2975	Y	1.108	Y	1.028	Y	1.048	Y	1.078	Y	1.088	Y	1.34	Y	1.3805	Y	1.008	Y
VOC	1,2,3-Trichlorobenzene	87-61-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	1,2,4-Trichlorobenzene	120-82-1	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N
	1,2-Dichlorobenzene	95-50-1	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N
	1,3-Dichlorobenzene	541-73-1	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	1,4-Dichlorobenzene	106-46-7	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N

Notes:

N no

Y yes

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RRR-1040+50-NE21		RRR-1040+50-NE21		RRR-1040+50-NE21		RRR-1040+50-NE21		RRR-1040+50-NE21		RSS-1078+50-NE10		RSS-1078+50-SW22		RSS-1078+50-SW22		RSS-1078+50-SW22	
		Segment	6		6		6		6		6		6		6		6		6	
		Depth Range	1 - 2.2		2.2 - 3.4		3.4 - 5.6		5.6 - 7.4		7.4 - 8.2		0 - 1		0 - 0.5		0.5 - 1		1 - 1.2	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
Metal	Aluminum	7429-90-5	2000	Y	1400	Y	1400	Y	2700	Y			31000	Y	2200	Y	2600	Y	2200	Y
	Antimony	7440-36-0	0.023	N	0.023	N	0.023	N	0.023	N			0.023	N	0.023	N	0.023	N	0.023	N
	Arsenic	7440-38-2	3.5	Y	16	Y	5.65	Y	3.5	Y			5.5	Y	1.6	Y	1.8	Y	1.8	Y
	Barium	7440-39-3	16	Y	15	Y	9.75	Y	22	Y			56	Y	20	Y	21	Y	17	Y
	Beryllium	7440-41-7	0.041	N	0.041	N	0.041	N	0.12	Y			0.3	Y	0.085	Y	0.099	Y	0.087	Y
	Boron	7440-42-8	8.3	Y	7.1	Y	8.35	Y	12	Y			16	Y	11	Y	9.8	Y	7.9	Y
	Cadmium	7440-43-9	0.045	N	0.045	N	0.045	N	0.045	N			0.045	N	0.15	Y	0.11	Y	0.1	Y
	Calcium	7440-70-2	6400	Y	5400	Y	5650	Y	35000	Y			65000	Y	13000	Y	47000	Y	46000	Y
	Chromium (total)	7440-47-3	6.8	Y	10	Y	4.05	Y	4.6	Y			12	Y	5.7	Y	6.5	Y	6.1	Y
	Cobalt	7440-48-4	1.5	Y	1.3	Y	1.35	Y	2.8	Y			5	Y	1.9	Y	2	Y	1.9	Y
	Copper	7440-50-8	12	Y	13	Y	4.6	Y	3.9	Y			12	Y	6.4	Y	7.1	Y	7.3	Y
	Gold	7440-57-5	0.0505	N	0.0505	N	0.0505	N	0.0505	N			0.0505	N	0.0505	N	0.0505	N	0.0505	N
	Iron	7439-89-6	4700	Y	4100	Y	3800	Y	7200	Y			69000	Y	4200	Y	4700	Y	4200	Y
	Lead	7439-92-1	9.4	Y	10	Y	5.4	Y	3	Y			11	Y	5.7	Y	5.2	Y	4.9	Y
	Lithium	7439-93-2	3.1	Y	2.2	Y	2.25	Y	4.7	Y			14	Y	3.8	Y	4.5	Y	3.8	Y
	Magnesium	7439-95-4	13000	Y	11000	Y	12500	Y	19000	Y			50000	Y	13000	Y	15000	Y	15000	Y
	Manganese	7439-96-5	100	Y	61	Y	72.5	Y	120	Y			2300	Y	150	Y	160	Y	140	Y
	Mercury	7439-97-6	0.064	Y	0.11	Y	0.037	Y	0.011	Y	0.02	Y	0.073	Y	0.025	Y	0.032	Y	0.032	Y
	Nickel	7440-02-0	3.4	Y	2.5	Y	2.25	Y	4.4	Y			11	Y	3.9	Y	4.3	Y	4	Y
	Potassium	7440-09-7	220	Y	150	Y	170	Y	310	Y			1100	Y	330	Y	370	Y	280	Y
	Selenium	7782-49-2	0.012	N	0.012	N	0.012	N	0.012	N			0.012	N	0.012	N	0.012	N	0.012	N
	Silver	7440-22-4	0.022	N	0.022	N	0.022	N	0.022	N			0.022	N	0.022	N	0.022	N	0.022	N
	Sodium	7440-23-5	43	Y	48	Y	43.5	Y	98	Y			150	Y	55	Y	63	Y	52	Y
	Strontium	7440-24-6	15	Y	16	Y	14	Y	37	Y			36	Y	21	Y	22	Y	18	Y
	Thallium	7440-28-0	0.098	N	0.098	N	0.098	N	0.098	N			0.098	N	0.098	N	0.098	N	0.098	N
	Tin	7440-31-5	0.114	N	0.114	N	0.114	N	0.114	N			0.114	N	0.114	N	0.114	N	0.114	N
	Titanium	7440-32-6	40	Y	37	Y	42	Y	73	Y			64	Y	66	Y	83	Y	64	Y
	Vanadium	7440-62-2	4.4	Y	3.4	Y	3.5	Y	6.8	Y			15	Y	5.3	Y	6.3	Y	5.4	Y
	Zinc	7440-66-6	28	Y	17	Y	10.45	Y	13	Y			43	Y	23	Y	25	Y	23	Y
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.02	N	0.02	N	0.02	N	0.02	N			0.02	N	0.02	N	0.02	N	0.02	N
	2,4'-DDD	53-19-0	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDD	72-54-8	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDE	72-55-9	0.05	Y	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDT	50-29-3	0.07	Y	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	0.003	N			0.003	N	0.003	N	0.003	N	0.003	N
	alpha-BHC	319-84-6	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	ALPHA-CHLORDANE	5103-71-9	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	beta-BHC	319-85-7	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.011	N	0.011	N	0.011	N	0.011	N			0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	delta-BHC	319-86-8	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	Diallate (total)	2303-16-4	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	Dieldrin	60-57-1	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	Dimethoate	60-51-5	0.009	N	0.009	N	0.009	N	0.009	N			0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.028	N	0.028	N	0.028	N	0.028	N			0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0085	N	0.0085	N	0.0085	N	0.0085	N			0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan I	959-98-8	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	Endosulfan II	33213-65-9	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.003	N	0.003	N	0.003	N	0.003	N			0.003	N	0.003	N	0.003	N	0.003	N
	Endrin	72-20-8	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	Endrin aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.011	N	0.011	N	0.011	N	0.011	N			0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	Hexachlorobenzene	118-74-1	0.07	Y	0.41	Y	0.065	Y	0.004	N			0.004	N	0.01	Y	0.004	N	0.01	Y
	Isodrin	465-73-6	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.01	N	0.01	N	0.01	N	0.01	N			0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0075	N	0.0075	N	0.0075	N	0.0075	N			0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	Octachlorostyrene	29082-74-4	0.004	N	0.03	Y	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	0.003	N			0.003	N	0.003	N	0.003	N	0.003	N
	Parathion	56-38-2	0.0075	N	0.0075	N	0.0075	N	0.0075	N			0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Phorate	298-02-2	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RRR-1040+50-NE21		RRR-1040+50-NE21		RRR-1040+50-NE21		RRR-1040+50-NE21		RRR-1040+50-NE21		RSS-1078+50-NE10		RSS-1078+50-SW22		RSS-1078+50-SW22		RSS-1078+50-SW22	
		Segment	6		6		6		6		6		6		6		6		6	
		Depth Range	1 - 2.2		2.2 - 3.4		3.4 - 5.6		5.6 - 7.4		7.4 - 8.2		0 - 1		0 - 0.5		0.5 - 1		1 - 1.2	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Polybrominated biphenyls	67774-32-7	0.018	N	0.018	N	0.018	N	0.018	N			0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	0.003	N			0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.009	N	0.009	N	0.009	N	0.009	N			0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0085	N	0.0085	N	0.0085	N	0.0085	N			0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.083	N	0.083	N	0.083	N	0.083	N			0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.02	N	0.02	N	0.02	N	0.02	N			0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.02	N	0.02	N	0.02	N	0.02	N			0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.02	N	0.02	N	0.02	N	0.02	N			0.02	N	0.02	N	0.02	N	0.02	N
Styrene	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	N	0.02	N	0.02	N	0.02	N			0.02	N	0.02	N	0.02	N	0.02	N
(cont.)	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.02	N	0.02	N	0.02	N	0.02	N			0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.02	N	0.02	N	0.02	N	0.02	N			0.02	N	0.02	N	0.02	N	0.02	N
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.06	Y	0.06	Y	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.05	Y
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	N	0.003	N	0.003	N	0.003	N			0.003	N	0.003	N	0.003	N	0.003	N
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	N	0.038	N	0.038	N	0.038	N			0.038	N	0.038	N	0.038	N	0.038	N
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	2,4,5-Trichlorophenol	95-95-4	0.028	N	0.028	N	0.028	N	0.028	N			0.028	N	0.028	N	0.028	N	0.028	N
	2,4,6-Trichlorophenol	88-06-2	0.03	N	0.03	N	0.03	N	0.03	N			0.03	N	0.03	N	0.03	N	0.03	N
	2,4-Dichlorophenol	120-83-2	0.034	N	0.034	N	0.034	N	0.034	N			0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.041	N	0.041	N	0.041	N	0.041	N			0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.0995	N	0.0995	N	0.0995	N	0.0995	N			0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.024	N	0.024	N	0.024	N	0.024	N			0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.012	N	0.012	N	0.012	N	0.012	N			0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.032	N	0.032	N	0.032	N	0.032	N			0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.037	N	0.037	N	0.037	N	0.037	N			0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.049	N	0.049	N	0.049	N	0.049	N			0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylnaphthalene	91-57-6	0.04	N	0.04	N	0.04	N	0.04	N			0.04	N	0.04	N	0.04	N	0.04	N
	2-Methylphenol	95-48-7	0.031	N	0.031	N	0.031	N	0.031	N			0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.026	N	0.026	N	0.026	N	0.026	N			0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.044	N	0.044	N	0.044	N	0.044	N			0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7	0.012	N	0.012	N	0.012	N	0.012	N			0.012	N	0.012	N	0.012	N	0.012	N
	3,3'-Dichlorobenzidine	91-94-1	0.242	N	0.242	N	0.242	N	0.242	N			0.242	N	0.242	N	0.242	N	0.242	N
	3-Methylphenol	108-39-4	0.036	N	0.036	N	0.036	N	0.036	N			0.036	N	0.036	N	0.036	N	0.036	N
	3-Nitroaniline	99-09-2	0.0515	N	0.0515	N	0.0515	N	0.0515	N			0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	0.085	N			0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.047	N	0.047	N	0.047	N	0.047	N			0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.032	N	0.032	N	0.032	N	0.032	N			0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	N	0.044	N	0.044	N	0.044	N			0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.031	N	0.031	N	0.031	N	0.031	N			0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	0.09	N			0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.062	N	0.062	N	0.062	N	0.062	N			0.062	N	0.062	N	0.062	N	0.062	N
	Acenaphthene	83-32-9	0.013	N	0.013	N	0.013	N	0.013	N			0.013	N	0.013	N	0.013	N	0.013	N
	Acenaphthylene	208-96-8	0.032	N	0.032	N	0.032	N	0.032	N			0.032	N	0.032	N	0.032	N	0.032	N
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	0.05	N			0.05	N	0.05	N	0.05	N	0.05	N
	Anthracene	120-12-7	0.048	N	0.048	N	0.048	N	0.048	N			0.048	N	0.048	N	0.048	N	0.048	N
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	0.03	N			0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	0.12	N			0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.029	N	0.029	N	0.029	N	0.029	N			0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(a)pyrene	50-32-8	0.029	N	0.31	Y	0.075	Y	0.12	Y			0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(b)fluoranthene	205-99-2	0.039	N	0.08	Y	0.0595	Y	0.039	N			0.039	N	0.039	N	0.039	N	0.039	N
	Benzo(g,h,i)perylene	191-24-2	0.033	N	0.033	N	0.033	N	0.033	N			0.033	N	0.033	N	0.033	N	0.033	N
	Benzo(k)fluoranthene	207-08-9	0.052	N	0.052	N	0.052	N	0.052	N			0.052	N	0.052	N	0.052	N	0.052	N
	Benzyl alcohol	100-51-6	0.153	N	0.153	N	0.153	N	0.153	N			0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.031	N	0.031	N	0.031	N	0.031	N			0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.022	N	0.022	N	0.022	N	0.022	N			0.022	N	0.022	N	0.022	N	0.022	N
	bis(2-Ethylhexyl)phthalate	117-81-7	0.047	N	0.047	N	0.047	N	0.047	N			0.047	N	0.047	N	0.047	N	0.047	N
	BISPHENOL A	80-05-7	0.022	N	0.022	N	0.022	N	0.022	N			0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.045	N	0.045	N	0.045	N	0.045	N			0.045	N	0.045	N	0.045	N	0.045	N
	Carbazole	86-74-8	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	Chlorobenzilate	510-15-6	0.003	N	0.003	N	0.003	N	0.003	N			0.003	N	0.003	N	0.003	N	0.003	N
	Chrysene	218-01-9	0.08	Y	0.19	Y	0.075	Y	0.14	Y			0.06	Y	0.028	N	0.08	Y	0.06	Y
	Dibenz(a,h)anthracene	53-70-3	0.048	N	0.048	N	0.048	N	0.048	N			0.048	N	0.048	N	0.048	N	0.048	N
	Diethylphthalate	84-66-2	0.056	N	0.056	N	0.056	N	0.056	N			0.056	N	0.056	N	0.056	N	0.056	N
	Dimethyl phthalate	131-11-3	0.024	N	0.024	N	0.024	N	0.024	N			0.024	N	0.024	N	0.024	N	0.024	N
	Di-n-butyl phthalate	84-74-2	0.057	N	0.057	N	0.057	N	0.057	N			0.057	N	0.057	N	0.057	N	0.057	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.046	N	0.046	N	0.046	N	0.046	N			0.046	N	0.046	N	0.046	N	0.046	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RRR-1040+50-NE21		RRR-1040+50-NE21		RRR-1040+50-NE21		RRR-1040+50-NE21		RRR-1040+50-NE21		RSS-1078+50-NE10		RSS-1078+50-SW22		RSS-1078+50-SW22		RSS-1078+50-SW22	
		Segment	6		6		6		6		6		6		6		6		6	
		Depth Range	1 - 2.2		2.2 - 3.4		3.4 - 5.6		5.6 - 7.4		7.4 - 8.2		0 - 1		0 - 0.5		0.5 - 1		1 - 1.2	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Fluoranthene	206-44-0	0.37	Y	0.67	Y	0.41	Y	0.53	Y			0.41	Y	0.36	Y	0.44	Y	0.33	Y
	Fluorene	86-73-7	0.032	N	0.29	Y	0.156	Y	0.29	Y			0.032	N	0.032	N	0.032	N	0.032	N
	Hexachlorobutadiene	87-68-3	0.03	N	0.03	N	0.03	N	0.03	N			0.03	N	0.03	N	0.03	N	0.03	N
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	Hexachloroethane	67-72-1	0.031	N	0.031	N	0.031	N	0.031	N			0.031	N	0.031	N	0.031	N	0.031	N
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	N	0.028	N	0.028	N	0.028	N			0.028	N	0.028	N	0.028	N	0.028	N
	Isophorone	78-59-1	0.028	N	0.028	N	0.028	N	0.028	N			0.028	N	0.028	N	0.028	N	0.028	N
	Naphthalene	91-20-3	0.047	N	0.047	N	0.047	N	0.047	N			0.047	N	0.047	N	0.047	N	0.047	N
	Nitrobenzene	98-95-3	0.034	N	0.034	N	0.034	N	0.034	N			0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.029	N	0.029	N	0.029	N	0.029	N			0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.031	N	0.031	N	0.031	N	0.031	N			0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.028	N	0.028	N	0.028	N	0.028	N			0.028	N	0.028	N	0.028	N	0.028	N
	Pentachlorobenzene	608-93-5	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	Pentachloronitrobenzene	82-68-8	0.005	N	0.005	N	0.005	N	0.005	N			0.005	N	0.005	N	0.005	N	0.005	N
	Pentachlorophenol	87-86-5	0.0085	N	0.0085	N	0.0085	N	0.0085	N			0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Phenanthrene	85-01-8	0.05	N	0.22	Y	0.12	Y	0.19	Y			0.05	N	0.05	N	0.05	N	0.05	N
	Phenol	108-95-2	0.033	N	0.033	N	0.033	N	0.033	N			0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4	0.013	N	0.013	N	0.013	N	0.013	N			0.013	N	0.013	N	0.013	N	0.013	N
SVOC	Pyrene	129-00-0	0.5	Y	0.76	Y	0.515	Y	0.026	N			0.58	Y	0.5	Y	0.56	Y	0.46	Y
(cont.)	Pyridine	110-86-1	0.036	N	0.036	N	0.036	N	0.036	N			0.036	N	0.036	N	0.036	N	0.036	N
	Total Chlorophenols	TCLP_ERA_Dow	0.049	N	0.049	N	0.049	N	0.049	N			0.049	N	0.049	N	0.049	N	0.049	N
	Total Chlororbenzenes	TCLB_ERA_Dow	0.2315	Y	0.5715	Y	0.1715	Y	0.027	N			0.027	N	0.1165	Y	0.027	N	0.1615	Y
	Total PAHs	TPAH_ERA_Dow	1.24	Y	2.6205	Y	1.53125	Y	1.4765	Y			1.34	Y	1.178	Y	1.37	Y	1.14	Y
VOC	1,2,3-Trichlorobenzene	87-61-6	0.004	N	0.004	N	0.004	N	0.004	N			0.004	N	0.004	N	0.004	N	0.004	N
	1,2,4-Trichlorobenzene	120-82-1	0.027	N	0.027	N	0.027	N	0.027	N			0.027	N	0.027	N	0.027	N	0.027	N
	1,2-Dichlorobenzene	95-50-1	0.021	N	0.021	N	0.021	N	0.021	N			0.021	N	0.021	N	0.021	N	0.021	N
	1,3-Dichlorobenzene	541-73-1	0.03	N	0.03	N	0.03	N	0.03	N			0.03	N	0.03	N	0.03	N	0.03	N
	1,4-Dichlorobenzene	106-46-7	0.021	N	0.021	N	0.021	N	0.021	N			0.021	N	0.021	N	0.021	N	0.021	N

Notes:

N no

Y yes

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RSS-1078+50-SW22		RSS-1078+50-SW22		RSS-1078+50-SW22		RSS-1078+50-SW22		RTT-1107+50-NE22		RTT-1107+50-NE22		RTT-1107+50-NE22		RTT-1107+50-NE22		RXX-1238+00-NE14	
		Segment	6		6		6		6		7		7		7		7		7	
		Depth Range	1.2 - 2		2 - 2.7		2.7 - 4		4 - 5.8		0 - 1		1 - 2.5		2.5 - 4.1		4.1 - 5.8		0 - 0.5	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
Metal	Aluminum	7429-90-5	1300	Y	3200	Y	2600	Y	2000	Y	2300	Y	1500	Y	9100	Y	21000	Y	22000	Y
	Antimony	7440-36-0	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N
	Arsenic	7440-38-2	1.9	Y	3.7	Y	11	Y	34	Y	4.1	Y	6.2	Y	3.4	Y	2.6	Y	7.4	Y
	Barium	7440-39-3	10	Y	36	Y	55	Y	24	Y	16	Y	11	Y	42	Y	40	Y	42	Y
	Beryllium	7440-41-7	0.041	N	0.17	Y	0.31	Y	0.11	Y	0.087	Y	0.041	N	0.23	Y	0.18	Y	0.21	Y
	Boron	7440-42-8	7.9	Y	11	Y	11	Y	12	Y	8.7	Y	10	Y	11	Y	9.9	Y	16	Y
	Cadmium	7440-43-9	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Calcium	7440-70-2	8500	Y	11000	Y	14000	Y	11000	Y	5600	Y	6200	Y	16000	Y	62000	Y	56000	Y
	Chromium (total)	7440-47-3	5	Y	12	Y	26	Y	13	Y	8.7	Y	6	Y	9.1	Y	6.9	Y	16	Y
	Cobalt	7440-48-4	1.5	Y	3	Y	4.2	Y	2.3	Y	1.4	Y	1.2	Y	3.5	Y	3.4	Y	3.3	Y
	Copper	7440-50-8	6.4	Y	22	Y	62	Y	22	Y	9.3	Y	6.1	Y	5.1	Y	4	Y	30	Y
	Gold	7440-57-5	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
	Iron	7439-89-6	2900	Y	17000	Y	42000	Y	6400	Y	3800	Y	2900	Y	15000	Y	53000	Y	49000	Y
	Lead	7439-92-1	3.6	Y	14	Y	28	Y	16	Y	11	Y	5.4	Y	3.7	Y	3.1	Y	18	Y
	Lithium	7439-93-2	2.3	Y	7.3	Y	12	Y	3.9	Y	3.1	Y	2.1	Y	10	Y	7.9	Y	9	Y
	Magnesium	7439-95-4	10000	Y	1300	Y	3800	Y	10000	Y	4000	Y	3200	Y	13000	Y	46000	Y	33000	Y
	Manganese	7439-96-5	77	Y	360	Y	700	Y	89	Y	81	Y	57	Y	550	Y	2100	Y	1000	Y
	Mercury	7439-97-6	0.022	Y	0.092	Y	0.28	Y	0.094	Y	0.038	Y	0.04	Y	0.031	Y	0.019	Y	0.15	Y
	Nickel	7440-02-0	2.8	Y	7.6	Y	13	Y	4.7	Y	3.3	Y	2.2	Y	7.5	Y	6.5	Y	8.5	Y
	Potassium	7440-09-7	180	Y	550	Y	830	Y	230	Y	380	Y	2	Y	810	Y	430	Y	670	Y
	Selenium	7782-49-2	0.33	Y	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	Silver	7440-22-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Sodium	7440-23-5	40	Y	94	Y	140	Y	64	Y	79	Y	67	Y	130	Y	100	Y	130	Y
	Strontium	7440-24-6	12	Y	44	Y	84	Y	56	Y	11	Y	9.1	Y	28	Y	25	Y	47	Y
	Thallium	7440-28-0	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N
	Tin	7440-31-5	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N
	Titanium	7440-32-6	67	Y	90	Y	95	Y	63	Y	87	Y	71	Y	110	Y	54	Y	70	Y
	Vanadium	7440-62-2	3.7	Y	9.1	Y	13	Y	5.2	Y	5.3	Y	3.6	Y	12	Y	9.7	Y	11	Y
	Zinc	7440-66-6	17	Y	73	Y	91	Y	27	Y	23	Y	10	Y	22	Y	19	Y	53	Y
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,4'-DDD	53-19-0	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDD	72-54-8	0.005	N	0.005	N	0.05	Y	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDE	72-55-9	0.005	N	0.005	N	0.08	Y	0.07	Y	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDT	50-29-3	0.004	N	0.04	Y	0.14	Y	0.14	Y	0.004	N	0.004	N	0.04	Y	0.004	N	0.004	N
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	alpha-BHC	319-84-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	ALPHA-CHLORDANE	5103-71-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	beta-BHC	319-85-7	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	delta-BHC	319-86-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Diallate (total)	2303-16-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dieldrin	60-57-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Dimethoate	60-51-5	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan I	959-98-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Endosulfan II	33213-65-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin	72-20-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endrin aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachlorobenzene	118-74-1	0.01	Y	0.01	Y	0.1	Y	1.1	Y	0.06	Y	0.21	Y	0.004	N	0.004	N	0.08	Y
	Isodrin	465-73-6	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Octachlorostyrene	29082-74-4	0.004	N	0.004	N	0.004	N	0.03	Y	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Parathion	56-38-2	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Phorate	298-02-2	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RSS-1078+50-SW22		RSS-1078+50-SW22		RSS-1078+50-SW22		RSS-1078+50-SW22		RTT-1107+50-NE22		RTT-1107+50-NE22		RTT-1107+50-NE22		RTT-1107+50-NE22		RXX-1238+00-NE14	
		Segment	6		6		6		6		7		7		7		7		7	
		Depth Range	1.2 - 2		2 - 2.7		2.7 - 4		4 - 5.8		0 - 1		1 - 2.5		2.5 - 4.1		4.1 - 5.8		0 - 0.5	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Polybrominated biphenyls	67774-32-7	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.02	N	0.02	N	0.05	Y	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
Styrene	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
(cont.)	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.005	N	0.06	Y	0.07	Y	0.09	Y	0.005	N	0.005	N	0.005	N	0.005	N	0.07	Y
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	2,4,5-Trichlorophenol	95-95-4	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	2,4,6-Trichlorophenol	88-06-2	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	2,4-Dichlorophenol	120-83-2	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylnaphthalene	91-57-6	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N
	2-Methylphenol	95-48-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	3,3'-Dichlorobenzidine	91-94-1	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N
	3-Methylphenol	108-39-4	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	3-Nitroaniline	99-09-2	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Acenaphthene	83-32-9	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
	Acenaphthylene	208-96-8	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N
	Anthracene	120-12-7	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(a)pyrene	50-32-8	0.029	N	0.029	N	0.029	N	0.06	Y	0.029	N	0.16	Y	0.029	N	0.029	N	0.12	Y
	Benzo(b)fluoranthene	205-99-2	0.039	N	0.039	N	0.039	N	0.039	N	0.039	N	0.42	Y	0.039	N	0.039	N	0.039	N
	Benzo(g,h,i)perylene	191-24-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.12	Y	0.033	N	0.033	N	0.033	N
	Benzo(k)fluoranthene	207-08-9	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N
	Benzyl alcohol	100-51-6	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	bis(2-Ethylhexyl)phthalate	117-81-7	0.047	N	0.047	N	0.047	N	0.047	N	0.16	Y	0.047	N	0.047	N	0.047	N	0.19	Y
	BISPHENOL A	80-05-7	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Carbazole	86-74-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Chlorobenzilate	510-15-6	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Chrysene	218-01-9	0.07	Y	0.06	Y	0.08	Y	0.06	Y	0.06	Y	0.028	N	0.028	N	0.028	N	0.2	Y
	Dibenz(a,h)anthracene	53-70-3	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Diethylphthalate	84-66-2	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N
	Dimethyl phthalate	131-11-3	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	Di-n-butyl phthalate	84-74-2	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RSS-1078+50-SW22		RSS-1078+50-SW22		RSS-1078+50-SW22		RSS-1078+50-SW22		RTT-1107+50-NE22		RTT-1107+50-NE22		RTT-1107+50-NE22		RTT-1107+50-NE22		RXX-1238+00-NE14	
		Segment	6		6		6		6		7		7		7		7		7	
		Depth Range	1.2 - 2		2 - 2.7		2.7 - 4		4 - 5.8		0 - 1		1 - 2.5		2.5 - 4.1		4.1 - 5.8		0 - 0.5	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Fluoranthene	206-44-0	0.34	Y	0.34	Y	0.35	Y	0.33	Y	0.33	Y	0.79	Y	0.32	Y	0.029	N	0.54	Y
	Fluorene	86-73-7	0.032	N	0.3	Y	0.032	N	0.032	N	0.032	N	0.3	Y	0.032	N	0.032	N	0.33	Y
	Hexachlorobutadiene	87-68-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachloroethane	67-72-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Isophorone	78-59-1	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Naphthalene	91-20-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	Nitrobenzene	98-95-3	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachlorobenzene	608-93-5	0.004	N	0.02	Y	0.004	N	0.02	Y	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Pentachloronitrobenzene	82-68-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Pentachlorophenol	87-86-5	0.0085	N	0.0085	N	0.0085	N	0.02	Y	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Phenanthrene	85-01-8	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N	1.6	Y	0.05	N	0.05	N	0.11	Y
	Phenol	108-95-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
SVOC	Pyrene	129-00-0	0.46	Y	0.5	Y	0.5	Y	0.52	Y	0.48	Y	0.76	Y	0.47	Y	0.026	N	0.64	Y
(cont.)	Pyridine	110-86-1	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	Total Chlorophenols	TCLP_ERA_Dow	0.049	N	0.049	N	0.049	N	0.2075	Y	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	Total Chlororbenzenes	TCLB_ERA_Dow	0.1165	Y	0.188	Y	0.2715	Y	1.308	Y	0.1665	Y	0.3165	Y	0.027	N	0.027	N	0.2515	Y
	Total PAHs	TPAH_ERA_Dow	1.16	Y	1.4585	Y	1.22	Y	1.2315	Y	1.16	Y	3.8185	Y	1.108	Y	0.052	N	2.1205	Y
VOC	1,2,3-Trichlorobenzene	87-61-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	1,2,4-Trichlorobenzene	120-82-1	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N
	1,2-Dichlorobenzene	95-50-1	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N
	1,3-Dichlorobenzene	541-73-1	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	1,4-Dichlorobenzene	106-46-7	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N

Notes:

N no

Y yes

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RXX-1238+00-NE14		RXX-1238+00-NE14		RXX-1238+00-NE14		RXX-1238+00-NE14		RXX-1254+50-NE39	
		Segment	7		7		7		7		7	
		Depth Range	0.5 - 1		1 - 1.5		1.5 - 2.7		2.7 - 4.2		0 - 1	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
Metal	Aluminum	7429-90-5	24000	Y	29000	Y	29000	Y	31000	Y	8700	Y
	Antimony	7440-36-0	0.023	N	0.023	N	0.023	N	0.023	N	0.023	N
	Arsenic	7440-38-2	18	Y	34	Y	16	Y	2.1	Y	7.6	Y
	Barium	7440-39-3	41	Y	57	Y	42	Y	51	Y	63	Y
	Beryllium	7440-41-7	0.22	Y	0.28	Y	0.24	Y	0.29	Y	0.26	Y
	Boron	7440-42-8	12	Y	15	Y	13	Y	15	Y	7.8	Y
	Cadmium	7440-43-9	0.045	N	0.045	N	0.045	N	0.045	N	0.36	Y
	Calcium	7440-70-2	68000	Y	92000	Y	110000	Y	70000	Y	13000	Y
	Chromium (total)	7440-47-3	20	Y	19	Y	9.4	Y	11	Y	12	Y
	Cobalt	7440-48-4	3.2	Y	4.5	Y	4.1	Y	5	Y	3.2	Y
	Copper	7440-50-8	37	Y	32	Y	9.6	Y	7.7	Y	14	Y
	Gold	7440-57-5	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
	Iron	7439-89-6	55000	Y	74000	Y	71000	Y	71000	Y	14000	Y
	Lead	7439-92-1	23	Y	28	Y	9	Y	5.5	Y	44	Y
	Lithium	7439-93-2	8.7	Y	13	Y	11	Y	14	Y	8.1	Y
	Magnesium	7439-95-4	35000	Y	49000	Y	60000	Y	63000	Y	10000	Y
	Manganese	7439-96-5	1000	Y	1700	Y	1500	Y	930	Y	490	Y
	Mercury	7439-97-6	0.22	Y	0.21	Y	0.081	Y	0.062	Y	0.074	Y
	Nickel	7440-02-0	8.4	Y	11	Y	9.1	Y	11	Y	7.8	Y
	Potassium	7440-09-7	620	Y	910	Y	770	Y	770	Y	780	Y
	Selenium	7782-49-2	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	Silver	7440-22-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Sodium	7440-23-5	120	Y	180	Y	150	Y	300	Y	110	Y
	Strontium	7440-24-6	58	Y	94	Y	63	Y	53	Y	22	Y
	Thallium	7440-28-0	0.098	N	0.098	N	0.098	N	0.098	N	0.098	N
	Tin	7440-31-5	0.114	N	0.114	N	0.114	N	0.114	N	0.114	N
	Titanium	7440-32-6	74	Y	79	Y	78	Y	66	Y	120	Y
	Vanadium	7440-62-2	10	Y	14	Y	13	Y	14	Y	12	Y
	Zinc	7440-66-6	50	Y	56	Y	30	Y	32	Y	59	Y
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,4'-DDD	53-19-0	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	4,4'-DDD	72-54-8	0.005	N	0.005	N	0.005	N	0.005	N	0.04	Y
	4,4'-DDE	72-55-9	0.1	Y	0.005	N	0.005	N	0.005	N	1.2	Y
	4,4'-DDT	50-29-3	0.14	Y	0.07	Y	0.004	N	0.004	N	0.59	Y
	Aldrin	309-00-2	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	alpha-BHC	319-84-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	ALPHA-CHLORDANE	5103-71-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	beta-BHC	319-85-7	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	delta-BHC	319-86-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Diallate (total)	2303-16-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dieldrin	60-57-1	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Dimethoate	60-51-5	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan I	959-98-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Endosulfan II	33213-65-9	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin	72-20-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endrin aldehyde	7421-93-4	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachlorobenzene	118-74-1	0.09	Y	0.11	Y	0.03	Y	0.004	N	0.07	Y
	Isodrin	465-73-6	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Octachlorostyrene	29082-74-4	0.02	Y	0.004	N	0.004	N	0.004	N	0.004	N
	Oxychlordane	27304-13-8	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Parathion	56-38-2	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Phorate	298-02-2	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RXX-1238+00-NE14		RXX-1238+00-NE14		RXX-1238+00-NE14		RXX-1238+00-NE14		RXX-1254+50-NE39	
		Segment	7		7		7		7		7	
		Depth Range	0.5 - 1		1 - 1.5		1.5 - 2.7		2.7 - 4.2		0 - 1	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Polybrominated biphenyls	67774-32-7	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-38-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
Styrene	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
(cont.)	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	1,2,3,4-Tetrachlorobenzene	634-66-2	0.08	Y	0.005	N	0.005	N	0.005	N	0.005	N
	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,3,4,6-Tetrachlorophenol	58-90-2	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	2,4,5-Trichlorophenol	95-95-4	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	2,4,6-Trichlorophenol	88-06-2	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	2,4-Dichlorophenol	120-83-2	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylnaphthalene	91-57-6	0.04	N	0.04	N	0.04	N	0.04	N	0.04	N
	2-Methylphenol	95-48-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	3,3'-Dichlorobenzidine	91-94-1	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N
	3-Methylphenol	108-39-4	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	3-Nitroaniline	99-09-2	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Acenaphthene	83-32-9	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
	Acenaphthylene	208-96-8	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	Aniline	62-53-3	0.05	N	0.05	N	0.05	N	0.05	N	0.05	N
	Anthracene	120-12-7	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Azobenzene	103-33-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzo(a)pyrene	50-32-8	0.07	Y	0.1	Y	0.06	Y	0.029	N	0.19	Y
	Benzo(b)fluoranthene	205-99-2	0.15	Y	0.12	Y	0.12	Y	0.039	N	0.38	Y
	Benzo(g,h,i)perylene	191-24-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	Benzo(k)fluoranthene	207-08-9	0.052	N	0.052	N	0.052	N	0.052	N	0.052	N
	Benzyl alcohol	100-51-6	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	bis(2-Ethylhexyl)phthalate	117-81-7	0.047	N	0.047	N	0.1	Y	0.047	N	0.047	N
	BISPHENOL A	80-05-7	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Carbazole	86-74-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Chlorobenzilate	510-15-6	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Chrysene	218-01-9	0.1	Y	0.18	Y	0.08	Y	0.028	N	0.17	Y
	Dibenz(a,h)anthracene	53-70-3	0.048	N	0.048	N	0.048	N	0.048	N	0.048	N
	Diethylphthalate	84-66-2	0.056	N	0.056	N	0.056	N	0.056	N	0.056	N
	Dimethyl phthalate	131-11-3	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	Di-n-butyl phthalate	84-74-2	0.057	N	0.057	N	0.057	N	0.057	N	0.057	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N

Attachment 2: Bank Soil SCOI Data
Segments 4-7 SCOI Screening

		Location ID	RXX-1238+00-NE14		RXX-1238+00-NE14		RXX-1238+00-NE14		RXX-1238+00-NE14		RXX-1254+50-NE39	
		Segment	7		7		7		7		7	
		Depth Range	0.5 - 1		1 - 1.5		1.5 - 2.7		2.7 - 4.2		0 - 1	
Class	**Parameter**	**CAS #**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**	**Result**	**Detect**
	Fluoranthene	206-44-0	0.42	Y	0.47	Y	0.48	Y	0.029	N	0.74	Y
	Fluorene	86-73-7	0.032	N	0.33	Y	0.032	N	0.032	N	0.33	Y
	Hexachlorobutadiene	87-68-3	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	HEXACHLOROCYCLOPENTADIENE	77-47-4	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Hexachloroethane	67-72-1	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Isophorone	78-59-1	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Naphthalene	91-20-3	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	Nitrobenzene	98-95-3	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachlorobenzene	608-93-5	0.02	Y	0.004	N	0.004	N	0.004	N	0.004	N
	Pentachloronitrobenzene	82-68-8	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Pentachlorophenol	87-86-5	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Phenanthrene	85-01-8	0.1	Y	0.13	Y	0.11	Y	0.05	N	0.05	N
	Phenol	108-95-2	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
SVOC	Pyrene	129-00-0	0.57	Y	0.61	Y	0.64	Y	0.53	Y	0.77	Y
(cont.)	Pyridine	110-86-1	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N
	Total Chlorophenols	TCLP_ERA_Dow	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	Total Chlororbenzenes	TCLB_ERA_Dow	0.288	Y	0.2165	Y	0.1365	Y	0.027	N	0.1765	Y
	Total PAHs	TPAH_ERA_Dow	1.472	Y	2.0005	Y	1.582	Y	0.877	Y	2.43	Y
VOC	1,2,3-Trichlorobenzene	87-61-6	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	1,2,4-Trichlorobenzene	120-82-1	0.027	N	0.027	N	0.027	N	0.027	N	0.027	N
	1,2-Dichlorobenzene	95-50-1	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N
	1,3-Dichlorobenzene	541-73-1	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	1,4-Dichlorobenzene	106-46-7	0.021	N	0.021	N	0.021	N	0.021	N	0.021	N

Notes:

N no

Y yes

Attachment 3: In-Channel Sediment Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Segments 4-7 (1 ft)		RBB-610+00-IC175 Seg. 4 0-0.5		RBB-610+00-IC225 Seg. 4 0.5-1		RBB-614+00-IC176 Seg. 4 0-0.5		RCC-648+00-IC174 Seg. 4 0-0.5		RDD-668+00-IC58 Seg. 4 0.5-1		RDD-670+00-IC205 Seg. 4 0-0.5		RDD-673+50-IC251 Seg. 4 0.5-1		RFF-707+00-IC157 Seg. 4 0.5-1	
			Max	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Antimony	7440-36-0	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U
	Gold	7440-57-5	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U
	Silver	7440-22-4	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	Tin	7440-31-5	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorosty	90301-92-1	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	2,4'-DDD	53-19-0	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDD	72-54-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDE	72-55-9	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDT	50-29-3	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Aldrin	309-00-2	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	alpha-BHC	319-84-6	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	ALPHA-CHLORDANE	5103-71-9	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	beta-BHC	319-85-7	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Chlorpyrifos	2921-88-2	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
	cis-Nonachlor	5103-73-1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	delta-BHC	319-86-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Diallate (total)	2303-16-4	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Dieldrin	60-57-1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Dimethoate	60-51-5	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
	Dinoseb	88-85-7	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Disulfoton	298-04-4	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U
	Endosulfan I	959-98-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Endosulfan II	33213-65-9	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Endosulfan sulfate	1031-07-8	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Endrin	72-20-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Endrin aldehyde	7421-93-4	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Famphur	52-85-7	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
	gamma-BHC	58-89-9	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	GAMMA-CHLORDANE	12789-03-6	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Heptachlor	76-44-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Heptachlor epoxide	1024-57-3	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Isodrin	465-73-6	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Methoxychlor	72-43-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Methyl chlorpyrifos	5598-13-0	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
	Methyl parathion	298-00-0	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
	Mirex	2385-85-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Oxychlordane	27304-13-8	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Parathion	56-38-2	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
	Phorate	298-02-2	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Polybrominated biphenyls	67774-32-7	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
	Propachlor	1918-16-7	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Ronnel	299-84-3	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
	Thionazin	297-97-2	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U
	Toxaphene	8001-35-2	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
	trans-Nonachlor	39765-80-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptach	29086-38-2	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	(Z)-alpha,beta-2,3,4,5,6-Heptach	29086-39-3	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	(Z)-beta-2,3,4,5,6-Hexachlorosty	90301-93-2	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	alpha-2,3,4,5,6-Hexachlorostyrer	68705-15-7	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	beta,beta-2,3,4,5,6-Heptachloros	29082-75-5	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U

Attachment 3: In-Channel Sediment Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Segments 4-7 (1 ft)		RBB-610+00-IC175 Seg. 4 0-0.5		RBB-610+00-IC225 Seg. 4 0.5-1		RBB-614+00-IC176 Seg. 4 0-0.5		RCC-648+00-IC174 Seg. 4 0-0.5		RDD-668+00-IC58 Seg. 4 0.5-1		RDD-670+00-IC205 Seg. 4 0-0.5		RDD-673+50-IC251 Seg. 4 0.5-1		RFF-707+00-IC157 Seg. 4 0.5-1	
			Max	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U
	2,4,5-Trichlorophenol	95-95-4	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	2,4,6-Trichlorophenol	88-06-2	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	2,4-Dimethylphenol	105-67-9	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U
	2,4-Dinitrophenol	51-28-5	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U
	2,4-Dinitrotoluene	121-14-2	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U
	2,6-Dichlorophenol	87-65-0	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	2,6-Dinitrotoluene	606-20-2	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	2-Chloronaphthalene	91-58-7	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U
	2-Chlorophenol	95-57-8	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U
	2-Methylnaphthalene	91-57-6	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
	2-Methylphenol	95-48-7	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	2-Nitroaniline	88-74-4	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U
	2-Nitrophenol	88-75-5	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U
	3,3'-Dichlorobenzidine	91-94-1	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U
	3-Methylphenol	108-39-4	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U
	3-Nitroaniline	99-09-2	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U
	4-Bromophenyl-phenyl ether	101-55-3	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	4-Chloro-3-methylphenol	59-50-7	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U
	4-Methylphenol	106-44-5	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	4-Nitroaniline	100-01-6	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
	4-Nitrophenol	100-02-7	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U
	Acenaphthylene	208-96-8	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	Aniline	62-53-3	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
	Anthracene	120-12-7	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U
	Azobenzene	103-33-3	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Benzidine	92-87-5	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
	Benzo(a)anthracene	56-55-3	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	Benzo(g,h,i)perylene	191-24-2	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U
	Benzo(k)fluoranthene	207-08-9	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U
	Benzyl alcohol	100-51-6	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U
	bis(2-Chloroethoxy)methane	111-91-1	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	bis(2-Chloroethyl) ether	111-44-4	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	BISPHENOL A	80-05-7	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	Chlorobenzilate	510-15-6	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Dibenz(a,h)anthracene	53-70-3	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U
	Diethylphthalate	84-66-2	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U
	Dimethyl phthalate	131-11-3	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U
	Di-n-butyl phthalate	84-74-2	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U
	HEXACHLOROCYCLOPENTAD	77-47-4	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Hexachloroethane	67-72-1	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Isophorone	78-59-1	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Nitrobenzene	98-95-3	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	N-Nitrosodimethylamine	62-75-9	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	N-Nitroso-di-n-propylamine	621-64-7	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	Pentachloronitrobenzene	82-68-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Phenol	108-95-2	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U
	Pyridine	110-86-1	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U

Notes:
Max maximum
U not detected, result based on 1/2 detection limit

Attachment 3: In-Channel Sediment Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RFF-707+00-IC94 Seg. 4 0.5-1		RHH-768+00-IC26 Seg. 4 0-0.5		RII-782+00-IC132 Seg. 4 0-0.5		RII-783+00-IC135 Seg. 4 0-0.5		RII-787+00-IC140 Seg. 5 0.5-1		RII-801+00-IC147 Seg. 5 0-0.5		RII-801+00-IC92 Seg. 5 0-0.5		RII-802+00-IC41 Seg. 5 0-0.5		RJJ-852+50-IC171 Seg. 5 0.5-1	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Antimony	7440-36-0	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U
	Gold	7440-57-5	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U
	Silver	7440-22-4	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	Tin	7440-31-5	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorosty	90301-92-1	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	2,4'-DDD	53-19-0	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDD	72-54-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDE	72-55-9	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDT	50-29-3	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Aldrin	309-00-2	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	alpha-BHC	319-84-6	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	ALPHA-CHLORDANE	5103-71-9	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	beta-BHC	319-85-7	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Chlorpyrifos	2921-88-2	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
	cis-Nonachlor	5103-73-1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	delta-BHC	319-86-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Diallate (total)	2303-16-4	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Dieldrin	60-57-1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Dimethoate	60-51-5	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
	Dinoseb	88-85-7	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Disulfoton	298-04-4	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U
	Endosulfan I	959-98-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Endosulfan II	33213-65-9	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Endosulfan sulfate	1031-07-8	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Endrin	72-20-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Endrin aldehyde	7421-93-4	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Famphur	52-85-7	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
	gamma-BHC	58-89-9	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	GAMMA-CHLORDANE	12789-03-6	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Heptachlor	76-44-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Heptachlor epoxide	1024-57-3	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Isodrin	465-73-6	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Methoxychlor	72-43-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Methyl chlorpyrifos	5598-13-0	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
	Methyl parathion	298-00-0	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
	Mirex	2385-85-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Oxychlordane	27304-13-8	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Parathion	56-38-2	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
	Phorate	298-02-2	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Polybrominated biphenyls	67774-32-7	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
	Propachlor	1918-16-7	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Ronnel	299-84-3	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
	Thionazin	297-97-2	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U
	Toxaphene	8001-35-2	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
	trans-Nonachlor	39765-80-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptach	29086-38-2	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	(Z)-alpha,beta-2,3,4,5,6-Heptach	29086-39-3	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	(Z)-beta-2,3,4,5,6-Hexachlorosty	90301-93-2	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	alpha-2,3,4,5,6-Hexachlorostyrer	68705-15-7	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	beta,beta-2,3,4,5,6-Heptachloros	29082-75-5	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U

Attachment 3: In-Channel Sediment Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RFF-707+00-IC94 Seg. 4 0.5-1		RHH-768+00-IC26 Seg. 4 0-0.5		RII-782+00-IC132 Seg. 4 0-0.5		RII-783+00-IC135 Seg. 4 0-0.5		RII-787+00-IC140 Seg. 5 0.5-1		RII-801+00-IC147 Seg. 5 0-0.5		RII-801+00-IC92 Seg. 5 0-0.5		RII-802+00-IC41 Seg. 5 0-0.5		RJJ-852+50-IC171 Seg. 5 0.5-1	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U
	2,4,5-Trichlorophenol	95-95-4	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	2,4,6-Trichlorophenol	88-06-2	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	2,4-Dimethylphenol	105-67-9	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U
	2,4-Dinitrophenol	51-28-5	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U
	2,4-Dinitrotoluene	121-14-2	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U
	2,6-Dichlorophenol	87-65-0	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	2,6-Dinitrotoluene	606-20-2	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	2-Chloronaphthalene	91-58-7	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U
	2-Chlorophenol	95-57-8	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U
	2-Methylnaphthalene	91-57-6	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
	2-Methylphenol	95-48-7	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	2-Nitroaniline	88-74-4	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U
	2-Nitrophenol	88-75-5	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U
	3,3'-Dichlorobenzidine	91-94-1	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U
	3-Methylphenol	108-39-4	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U
	3-Nitroaniline	99-09-2	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U
	4-Bromophenyl-phenyl ether	101-55-3	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	4-Chloro-3-methylphenol	59-50-7	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U
	4-Methylphenol	106-44-5	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	4-Nitroaniline	100-01-6	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
	4-Nitrophenol	100-02-7	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U
	Acenaphthylene	208-96-8	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	Aniline	62-53-3	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
	Anthracene	120-12-7	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U
	Azobenzene	103-33-3	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Benzidine	92-87-5	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
	Benzo(a)anthracene	56-55-3	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	Benzo(g,h,i)perylene	191-24-2	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U
	Benzo(k)fluoranthene	207-08-9	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U
	Benzyl alcohol	100-51-6	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U
	bis(2-Chloroethoxy)methane	111-91-1	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	bis(2-Chloroethyl) ether	111-44-4	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	BISPHENOL A	80-05-7	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	Chlorobenzilate	510-15-6	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Dibenz(a,h)anthracene	53-70-3	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U
	Diethylphthalate	84-66-2	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U
	Dimethyl phthalate	131-11-3	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U
	Di-n-butyl phthalate	84-74-2	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U
	HEXACHLOROCYCLOPENTADI	77-47-4	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Hexachloroethane	67-72-1	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Isophorone	78-59-1	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Nitrobenzene	98-95-3	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	N-Nitrosodimethylamine	62-75-9	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	N-Nitroso-di-n-propylamine	621-64-7	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	Pentachloronitrobenzene	82-68-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Phenol	108-95-2	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U
	Pyridine	110-86-1	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U

Notes:

Max maximum

U not detected, result based on 1/2 detection limit

Attachment 3: In-Channel Sediment Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RLL-892+00-IC19 Seg. 5 0-0.5		RMM-909+50-IC118 Seg. 5 0-0.5		RMM-913+50-IC104 Seg. 5 0-0.5		RMM-918+50-IC91 Seg. 5 0-0.5		RPP-1000+00-IC178 Seg. 6 0.5-1		RPP-989+50-IC284 Seg. 6 0-0.5		RQQ-1017+00-IC113 Seg. 6 0-0.5		RQQ-1023+00-IC44 Seg. 6 0.5-1		RQQ-1023+50-IC43 Seg. 6 0.5-1	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Antimony	7440-36-0	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U
	Gold	7440-57-5	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U
	Silver	7440-22-4	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	Tin	7440-31-5	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorosty	90301-92-1	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	2,4'-DDD	53-19-0	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDD	72-54-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDE	72-55-9	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDT	50-29-3	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Aldrin	309-00-2	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	alpha-BHC	319-84-6	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	ALPHA-CHLORDANE	5103-71-9	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	beta-BHC	319-85-7	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Chlorpyrifos	2921-88-2	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
	cis-Nonachlor	5103-73-1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	delta-BHC	319-86-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Diallate (total)	2303-16-4	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Dieldrin	60-57-1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Dimethoate	60-51-5	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
	Dinoseb	88-85-7	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Disulfoton	298-04-4	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U
	Endosulfan I	959-98-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Endosulfan II	33213-65-9	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Endosulfan sulfate	1031-07-8	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Endrin	72-20-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Endrin aldehyde	7421-93-4	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Famphur	52-85-7	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
	gamma-BHC	58-89-9	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	GAMMA-CHLORDANE	12789-03-6	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Heptachlor	76-44-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Heptachlor epoxide	1024-57-3	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Isodrin	465-73-6	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Methoxychlor	72-43-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Methyl chlorpyrifos	5598-13-0	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
	Methyl parathion	298-00-0	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
	Mirex	2385-85-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Oxychlordane	27304-13-8	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Parathion	56-38-2	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
	Phorate	298-02-2	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Polybrominated biphenyls	67774-32-7	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
	Propachlor	1918-16-7	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Ronnel	299-84-3	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
	Thionazin	297-97-2	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U
	Toxaphene	8001-35-2	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
	trans-Nonachlor	39765-80-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptach	29086-38-2	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	(Z)-alpha,beta-2,3,4,5,6-Heptach	29086-39-3	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	(Z)-beta-2,3,4,5,6-Hexachlorosty	90301-93-2	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	alpha-2,3,4,5,6-Hexachlorostyrer	68705-15-7	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	beta,beta-2,3,4,5,6-Heptachloros	29082-75-5	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U

Attachment 3: In-Channel Sediment Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RLL-892+00-IC19 Seg. 5 0-0.5		RMM-909+50-IC118 Seg. 5 0-0.5		RMM-913+50-IC104 Seg. 5 0-0.5		RMM-918+50-IC91 Seg. 5 0-0.5		RPP-1000+00-IC178 Seg. 6 0.5-1		RPP-989+50-IC284 Seg. 6 0-0.5		RQQ-1017+00-IC113 Seg. 6 0-0.5		RQQ-1023+00-IC44 Seg. 6 0.5-1		RQQ-1023+50-IC43 Seg. 6 0.5-1	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U
	2,4,5-Trichlorophenol	95-95-4	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	2,4,6-Trichlorophenol	88-06-2	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	2,4-Dimethylphenol	105-67-9	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U
	2,4-Dinitrophenol	51-28-5	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U
	2,4-Dinitrotoluene	121-14-2	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U
	2,6-Dichlorophenol	87-65-0	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	2,6-Dinitrotoluene	606-20-2	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	2-Chloronaphthalene	91-58-7	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U
	2-Chlorophenol	95-57-8	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U
	2-Methylnaphthalene	91-57-6	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
	2-Methylphenol	95-48-7	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	2-Nitroaniline	88-74-4	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U
	2-Nitrophenol	88-75-5	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U
	3,3'-Dichlorobenzidine	91-94-1	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U
	3-Methylphenol	108-39-4	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U
	3-Nitroaniline	99-09-2	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U
	4-Bromophenyl-phenyl ether	101-55-3	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	4-Chloro-3-methylphenol	59-50-7	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U
	4-Methylphenol	106-44-5	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	4-Nitroaniline	100-01-6	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
	4-Nitrophenol	100-02-7	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U
	Acenaphthylene	208-96-8	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	Aniline	62-53-3	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
	Anthracene	120-12-7	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U
	Azobenzene	103-33-3	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Benzidine	92-87-5	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
	Benzo(a)anthracene	56-55-3	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	Benzo(g,h,i)perylene	191-24-2	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U
	Benzo(k)fluoranthene	207-08-9	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U
	Benzyl alcohol	100-51-6	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U
	bis(2-Chloroethoxy)methane	111-91-1	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	bis(2-Chloroethyl) ether	111-44-4	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	BISPHENOL A	80-05-7	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	Chlorobenzilate	510-15-6	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Dibenz(a,h)anthracene	53-70-3	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U
	Diethylphthalate	84-66-2	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U
	Dimethyl phthalate	131-11-3	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U
	Di-n-butyl phthalate	84-74-2	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U
	HEXACHLOROCYCLOPENTADI	77-47-4	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Hexachloroethane	67-72-1	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Isophorone	78-59-1	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Nitrobenzene	98-95-3	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	N-Nitrosodimethylamine	62-75-9	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	N-Nitroso-di-n-propylamine	621-64-7	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	Pentachloronitrobenzene	82-68-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Phenol	108-95-2	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U
	Pyridine	110-86-1	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U

Notes:

Max maximum

U not detected, result based on 1/2 detection limit

Attachment 3: In-Channel Sediment Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RQQ-1023+50-IC43 Seg. 6 0-0.5		RQQ-1030+00-IC47 Seg. 6 0.5-1		RRR-1032+50-IC96 #N/A 0.5-1		RRR-1036+00-IC107 Seg. 6 0.5-1		RRR-1041+50-IC26 Seg. 6 0-0.5		RRR-1041+50-IC99 Seg. 6 0.5-1		RRR-1042+00-IC88 Seg. 6 0-0.5		RUU-1128+50-IC234 Seg. 7 0-0.5		RUU-1133+50-IC188 Seg. 7 0-0.5	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Antimony	7440-36-0	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U
	Gold	7440-57-5	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U
	Silver	7440-22-4	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	Tin	7440-31-5	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorosty	90301-92-1	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	2,4'-DDD	53-19-0	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDD	72-54-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDE	72-55-9	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDT	50-29-3	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Aldrin	309-00-2	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	alpha-BHC	319-84-6	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	ALPHA-CHLORDANE	5103-71-9	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	beta-BHC	319-85-7	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Chlorpyrifos	2921-88-2	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
	cis-Nonachlor	5103-73-1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	delta-BHC	319-86-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Diallate (total)	2303-16-4	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Dieldrin	60-57-1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Dimethoate	60-51-5	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
	Dinoseb	88-85-7	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Disulfoton	298-04-4	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U
	Endosulfan I	959-98-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Endosulfan II	33213-65-9	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Endosulfan sulfate	1031-07-8	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Endrin	72-20-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Endrin aldehyde	7421-93-4	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Famphur	52-85-7	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
	gamma-BHC	58-89-9	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	GAMMA-CHLORDANE	12789-03-6	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Heptachlor	76-44-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Heptachlor epoxide	1024-57-3	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Isodrin	465-73-6	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Methoxychlor	72-43-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Methyl chlorpyrifos	5598-13-0	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
	Methyl parathion	298-00-0	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
	Mirex	2385-85-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Oxychlordane	27304-13-8	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Parathion	56-38-2	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
	Phorate	298-02-2	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Polybrominated biphenyls	67774-32-7	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
	Propachlor	1918-16-7	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Ronnel	299-84-3	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
	Thionazin	297-97-2	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U
	Toxaphene	8001-35-2	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
	trans-Nonachlor	39765-80-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptach	29086-38-2	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	(Z)-alpha,beta-2,3,4,5,6-Heptach	29086-39-3	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	(Z)-beta-2,3,4,5,6-Hexachlorosty	90301-93-2	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	alpha-2,3,4,5,6-Hexachlorostyrer	68705-15-7	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	beta,beta-2,3,4,5,6-Heptachloros	29082-75-5	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U

Attachment 3: In-Channel Sediment Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RQQ-1023+50-IC43 Seg. 6 0-0.5		RQQ-1030+00-IC47 Seg. 6 0.5-1		RRR-1032+50-IC96 #N/A 0.5-1		RRR-1036+00-IC107 Seg. 6 0.5-1		RRR-1041+50-IC26 Seg. 6 0-0.5		RRR-1041+50-IC99 Seg. 6 0.5-1		RRR-1042+00-IC88 Seg. 6 0-0.5		RUU-1128+50-IC234 Seg. 7 0-0.5		RUU-1133+50-IC188 Seg. 7 0-0.5	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U
	2,4,5-Trichlorophenol	95-95-4	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	2,4,6-Trichlorophenol	88-06-2	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	2,4-Dimethylphenol	105-67-9	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U
	2,4-Dinitrophenol	51-28-5	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U
	2,4-Dinitrotoluene	121-14-2	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U
	2,6-Dichlorophenol	87-65-0	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	2,6-Dinitrotoluene	606-20-2	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	2-Chloronaphthalene	91-58-7	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U
	2-Chlorophenol	95-57-8	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U
	2-Methylnaphthalene	91-57-6	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
	2-Methylphenol	95-48-7	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	2-Nitroaniline	88-74-4	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U
	2-Nitrophenol	88-75-5	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U
	3,3'-Dichlorobenzidine	91-94-1	0.242	U	0.242	U	0.024	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U
	3-Methylphenol	108-39-4	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U
	3-Nitroaniline	99-09-2	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U
	4-Bromophenyl-phenyl ether	101-55-3	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	4-Chloro-3-methylphenol	59-50-7	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U
	4-Methylphenol	106-44-5	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	4-Nitroaniline	100-01-6	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
	4-Nitrophenol	100-02-7	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U
	Acenaphthylene	208-96-8	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	Aniline	62-53-3	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
	Anthracene	120-12-7	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U
	Azobenzene	103-33-3	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Benzidine	92-87-5	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
	Benzo(a)anthracene	56-55-3	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	Benzo(g,h,i)perylene	191-24-2	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U
	Benzo(k)fluoranthene	207-08-9	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U
	Benzyl alcohol	100-51-6	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U
	bis(2-Chloroethoxy)methane	111-91-1	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	bis(2-Chloroethyl) ether	111-44-4	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	BISPHENOL A	80-05-7	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	Chlorobenzilate	510-15-6	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Dibenz(a,h)anthracene	53-70-3	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U
	Diethylphthalate	84-66-2	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U
	Dimethyl phthalate	131-11-3	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U
	Di-n-butyl phthalate	84-74-2	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U
	HEXACHLOROCYCLOPENTADI	77-47-4	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Hexachloroethane	67-72-1	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Isophorone	78-59-1	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Nitrobenzene	98-95-3	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	N-Nitrosodimethylamine	62-75-9	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	N-Nitroso-di-n-propylamine	621-64-7	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	Pentachloronitrobenzene	82-68-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Phenol	108-95-2	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U
	Pyridine	110-86-1	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U

Notes:

Max maximum

U not detected, result based on 1/2 detection limit

Attachment 3: In-Channel Sediment Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RUU-1141+50-IC259 Seg. 7 0-0.5		RUU-1141+50-IC317 Seg. 7 0-0.5		RVV-1147+50-IC267 Seg. 7 0.5-1		RVV-1157+00-IC276 Seg. 7 0-0.5		RVV-1167+50-IC33 Seg. 7 0-0.5		RWW-1213+50-IC109 Seg. 7 0.5-1		RXX-1220+50-IC334 Seg. 7 0-0.5		RXX-1242+00-IC260 Seg. 7 0-0.5		RXX-1252+00-IC251 Seg. 7 0-0.5	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Antimony	7440-36-0	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U
	Gold	7440-57-5	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U
	Silver	7440-22-4	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	Tin	7440-31-5	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorosty	90301-92-1	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	2,4'-DDD	53-19-0	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDD	72-54-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDE	72-55-9	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDT	50-29-3	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Aldrin	309-00-2	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	alpha-BHC	319-84-6	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	ALPHA-CHLORDANE	5103-71-9	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	beta-BHC	319-85-7	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Chlorpyrifos	2921-88-2	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
	cis-Nonachlor	5103-73-1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	delta-BHC	319-86-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Diallate (total)	2303-16-4	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Dieldrin	60-57-1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Dimethoate	60-51-5	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
	Dinoseb	88-85-7	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Disulfoton	298-04-4	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U
	Endosulfan I	959-98-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Endosulfan II	33213-65-9	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Endosulfan sulfate	1031-07-8	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Endrin	72-20-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Endrin aldehyde	7421-93-4	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Famphur	52-85-7	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
	gamma-BHC	58-89-9	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	GAMMA-CHLORDANE	12789-03-6	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Heptachlor	76-44-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Heptachlor epoxide	1024-57-3	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Isodrin	465-73-6	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Methoxychlor	72-43-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Methyl chlorpyrifos	5598-13-0	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
	Methyl parathion	298-00-0	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
	Mirex	2385-85-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Oxychlordane	27304-13-8	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Parathion	56-38-2	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
	Phorate	298-02-2	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Polybrominated biphenyls	67774-32-7	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
	Propachlor	1918-16-7	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Ronnel	299-84-3	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
	Thionazin	297-97-2	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U
	Toxaphene	8001-35-2	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
	trans-Nonachlor	39765-80-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptach	29086-38-2	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	(Z)-alpha,beta-2,3,4,5,6-Heptach	29086-39-3	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	(Z)-beta-2,3,4,5,6-Hexachlorosty	90301-93-2	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	alpha-2,3,4,5,6-Hexachlorostyrer	68705-15-7	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	beta,beta-2,3,4,5,6-Heptachloros	29082-75-5	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U

Attachment 3: In-Channel Sediment Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RUU-1141+50-IC259 Seg. 7 0-0.5		RUU-1141+50-IC317 Seg. 7 0-0.5		RVV-1147+50-IC267 Seg. 7 0.5-1		RVV-1157+00-IC276 Seg. 7 0-0.5		RVV-1167+50-IC33 Seg. 7 0-0.5		RWW-1213+50-IC109 Seg. 7 0.5-1		RXX-1220+50-IC334 Seg. 7 0-0.5		RXX-1242+00-IC260 Seg. 7 0-0.5		RXX-1252+00-IC251 Seg. 7 0-0.5	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U
	2,4,5-Trichlorophenol	95-95-4	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	2,4,6-Trichlorophenol	88-06-2	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	2,4-Dimethylphenol	105-67-9	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U
	2,4-Dinitrophenol	51-28-5	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U
	2,4-Dinitrotoluene	121-14-2	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U
	2,6-Dichlorophenol	87-65-0	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	2,6-Dinitrotoluene	606-20-2	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	2-Chloronaphthalene	91-58-7	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U
	2-Chlorophenol	95-57-8	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U
	2-Methylnaphthalene	91-57-6	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
	2-Methylphenol	95-48-7	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	2-Nitroaniline	88-74-4	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U
	2-Nitrophenol	88-75-5	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U
	3,3'-Dichlorobenzidine	91-94-1	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U
	3-Methylphenol	108-39-4	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U
	3-Nitroaniline	99-09-2	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U
	4-Bromophenyl-phenyl ether	101-55-3	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	4-Chloro-3-methylphenol	59-50-7	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U
	4-Methylphenol	106-44-5	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	4-Nitroaniline	100-01-6	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
	4-Nitrophenol	100-02-7	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U
	Acenaphthylene	208-96-8	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	Aniline	62-53-3	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
	Anthracene	120-12-7	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U
	Azobenzene	103-33-3	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Benzidine	92-87-5	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
	Benzo(a)anthracene	56-55-3	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	Benzo(g,h,i)perylene	191-24-2	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U
	Benzo(k)fluoranthene	207-08-9	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U
	Benzyl alcohol	100-51-6	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U
	bis(2-Chloroethoxy)methane	111-91-1	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	bis(2-Chloroethyl) ether	111-44-4	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	BISPHENOL A	80-05-7	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	Chlorobenzilate	510-15-6	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Dibenz(a,h)anthracene	53-70-3	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U
	Diethylphthalate	84-66-2	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U
	Dimethyl phthalate	131-11-3	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U
	Di-n-butyl phthalate	84-74-2	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U
	HEXACHLOROCYCLOPENTADI	77-47-4	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Hexachloroethane	67-72-1	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Isophorone	78-59-1	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Nitrobenzene	98-95-3	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	N-Nitrosodimethylamine	62-75-9	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	N-Nitroso-di-n-propylamine	621-64-7	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	Pentachloronitrobenzene	82-68-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Phenol	108-95-2	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U
	Pyridine	110-86-1	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U

Notes:

Max maximum

U not detected, result based on 1/2 detection limit

Attachment 3: In-Channel Sediment Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RYY-1267+00-IC1089 Seg. 7 0-0.5		RYY-1267+00-IC1198 Seg. 7 0-0.5		RYY-1271+00-IC1090 Seg. 7 0.5-1		RYY-1276+00-IC174 Seg. 7 0.5-1		RYY-1276+00-IC318 Seg. 7 0-0.5	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Metal	Antimony	7440-36-0	0.023	U	0.023	U	0.023	U	0.023	U	0.023	U
	Gold	7440-57-5	0.0505	U	0.0505	U	0.0505	U	0.0505	U	0.0505	U
	Silver	7440-22-4	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	Tin	7440-31-5	0.114	U	0.114	U	0.114	U	0.114	U	0.114	U
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorosty	90301-92-1	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	2,4'-DDD	53-19-0	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDD	72-54-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDE	72-55-9	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	4,4'-DDT	50-29-3	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Aldrin	309-00-2	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	alpha-BHC	319-84-6	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	ALPHA-CHLORDANE	5103-71-9	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	beta-BHC	319-85-7	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Chlorpyrifos	2921-88-2	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
	cis-Nonachlor	5103-73-1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	delta-BHC	319-86-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Diallate (total)	2303-16-4	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Dieldrin	60-57-1	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Dimethoate	60-51-5	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
	Dinoseb	88-85-7	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Disulfoton	298-04-4	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U
	Endosulfan I	959-98-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Endosulfan II	33213-65-9	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Endosulfan sulfate	1031-07-8	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Endrin	72-20-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Endrin aldehyde	7421-93-4	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Famphur	52-85-7	0.011	U	0.011	U	0.011	U	0.011	U	0.011	U
	gamma-BHC	58-89-9	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	GAMMA-CHLORDANE	12789-03-6	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Heptachlor	76-44-8	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Heptachlor epoxide	1024-57-3	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Isodrin	465-73-6	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Methoxychlor	72-43-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Methyl chlorpyrifos	5598-13-0	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
	Methyl parathion	298-00-0	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
	Mirex	2385-85-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Oxychlordane	27304-13-8	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Parathion	56-38-2	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
	Phorate	298-02-2	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Polybrominated biphenyls	67774-32-7	0.018	U	0.018	U	0.018	U	0.018	U	0.018	U
	Propachlor	1918-16-7	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Ronnel	299-84-3	0.009	U	0.009	U	0.009	U	0.009	U	0.009	U
	Thionazin	297-97-2	0.0085	U	0.0085	U	0.0085	U	0.0085	U	0.0085	U
	Toxaphene	8001-35-2	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
	trans-Nonachlor	39765-80-5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Styrene	(E)-alpha,beta-2,3,4,5,6-Heptach	29086-38-2	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	(Z)-alpha,beta-2,3,4,5,6-Heptach	29086-39-3	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	(Z)-beta-2,3,4,5,6-Hexachlorosty	90301-93-2	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	alpha-2,3,4,5,6-Hexachlorostyrer	68705-15-7	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
	beta,beta-2,3,4,5,6-Heptachloros	29082-75-5	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U

Attachment 3: In-Channel Sediment Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	RYY-1267+00-IC1089 Seg. 7 0-0.5		RYY-1267+00-IC1198 Seg. 7 0-0.5		RYY-1271+00-IC1090 Seg. 7 0.5-1		RYY-1276+00-IC174 Seg. 7 0.5-1		RYY-1276+00-IC318 Seg. 7 0-0.5	
			Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
SVOC	1,2,4,5-Tetrachlorobenzene	95-94-3	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	2,2'-oxybis(1-Chloropropane)	108-60-1	0.038	U	0.038	U	0.038	U	0.038	U	0.038	U
	2,4,5-Trichlorophenol	95-95-4	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	2,4,6-Trichlorophenol	88-06-2	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	2,4-Dimethylphenol	105-67-9	0.041	U	0.041	U	0.041	U	0.041	U	0.041	U
	2,4-Dinitrophenol	51-28-5	0.0995	U	0.0995	U	0.0995	U	0.0995	U	0.0995	U
	2,4-Dinitrotoluene	121-14-2	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U
	2,6-Dichlorophenol	87-65-0	0.012	U	0.012	U	0.012	U	0.012	U	0.012	U
	2,6-Dinitrotoluene	606-20-2	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	2-Chloronaphthalene	91-58-7	0.037	U	0.037	U	0.037	U	0.037	U	0.037	U
	2-Chlorophenol	95-57-8	0.049	U	0.049	U	0.049	U	0.049	U	0.049	U
	2-Methylnaphthalene	91-57-6	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
	2-Methylphenol	95-48-7	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	2-Nitroaniline	88-74-4	0.026	U	0.026	U	0.026	U	0.026	U	0.026	U
	2-Nitrophenol	88-75-5	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U
	3,3'-Dichlorobenzidine	91-94-1	0.242	U	0.242	U	0.242	U	0.242	U	0.242	U
	3-Methylphenol	108-39-4	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U
	3-Nitroaniline	99-09-2	0.0515	U	0.0515	U	0.0515	U	0.0515	U	0.0515	U
	4,6-Dinitro-2-methylphenol	534-52-1	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U
	4-Bromophenyl-phenyl ether	101-55-3	0.047	U	0.047	U	0.047	U	0.047	U	0.047	U
	4-Chloro-3-methylphenol	59-50-7	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	4-Chlorophenyl-phenyl ether	7005-72-3	0.044	U	0.044	U	0.044	U	0.044	U	0.044	U
	4-Methylphenol	106-44-5	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	4-Nitroaniline	100-01-6	0.09	U	0.09	U	0.09	U	0.09	U	0.09	U
	4-Nitrophenol	100-02-7	0.062	U	0.062	U	0.062	U	0.062	U	0.062	U
	Acenaphthylene	208-96-8	0.032	U	0.032	U	0.032	U	0.032	U	0.032	U
	Aniline	62-53-3	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
	Anthracene	120-12-7	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U
	Azobenzene	103-33-3	0.03	U	0.03	U	0.03	U	0.03	U	0.03	U
	Benzidine	92-87-5	0.12	U	0.12	U	0.12	U	0.12	U	0.12	U
	Benzo(a)anthracene	56-55-3	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	Benzo(g,h,i)perylene	191-24-2	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U
	Benzo(k)fluoranthene	207-08-9	0.052	U	0.052	U	0.052	U	0.052	U	0.052	U
	Benzyl alcohol	100-51-6	0.153	U	0.153	U	0.153	U	0.153	U	0.153	U
	bis(2-Chloroethoxy)methane	111-91-1	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	bis(2-Chloroethyl) ether	111-44-4	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	BISPHENOL A	80-05-7	0.022	U	0.022	U	0.022	U	0.022	U	0.022	U
	Chlorobenzilate	510-15-6	0.003	U	0.003	U	0.003	U	0.003	U	0.003	U
	Dibenz(a,h)anthracene	53-70-3	0.048	U	0.048	U	0.048	U	0.048	U	0.048	U
	Diethylphthalate	84-66-2	0.056	U	0.056	U	0.056	U	0.056	U	0.056	U
	Dimethyl phthalate	131-11-3	0.024	U	0.024	U	0.024	U	0.024	U	0.024	U
	Di-n-butyl phthalate	84-74-2	0.057	U	0.057	U	0.057	U	0.057	U	0.057	U
	HEXACHLOROCYCLOPENTADI	77-47-4	0.004	U	0.004	U	0.004	U	0.004	U	0.004	U
	Hexachloroethane	67-72-1	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	Indeno(1,2,3-cd)pyrene	193-39-5	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Isophorone	78-59-1	0.028	U	0.028	U	0.028	U	0.028	U	0.028	U
	Nitrobenzene	98-95-3	0.034	U	0.034	U	0.034	U	0.034	U	0.034	U
	N-Nitrosodimethylamine	62-75-9	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
	N-Nitroso-di-n-propylamine	621-64-7	0.031	U	0.031	U	0.031	U	0.031	U	0.031	U
	Pentachloronitrobenzene	82-68-8	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
	Phenol	108-95-2	0.033	U	0.033	U	0.033	U	0.033	U	0.033	U
	Pyridine	110-86-1	0.036	U	0.036	U	0.036	U	0.036	U	0.036	U

Notes:

Max maximum

U not detected, result based on 1/2 detection limit

Attachment 4: Bank Soil LWA Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Segs 4-7 Max	RBB-607+00-SW12 Seg. 4		RBB-614+50-SW4 Seg. 4		RCC-639+00-SW9 Seg. 4		RFF-719+00-SW33 Seg. 4		RFF-721+50-SW9 Seg. 4		RHH-761+00-NE24 Seg. 4	
				Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect
Metal	Gold	7440-57-5	0.0505	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	Aldrin	309-00-2	0.0049058	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	ALPHA-CHLORDANE	5103-71-9	0.0057937	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.0159326	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Diallate (total)	2303-16-4	0.0055695	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dimethoate	60-51-5	0.0135963	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.0403315	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0123676	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan II	33213-65-9	0.0057937	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.004121	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin aldehyde	7421-93-4	0.0078026	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.0159326	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.0078026	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.0055695	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.0055695	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.0057937	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Isodrin	465-73-6	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.0144842	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0109192	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Oxychlordane	27304-13-8	0.0049058	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Phorate	298-02-2	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Polybrominated biphenyls	67774-32-7	0.0260716	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.0049058	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.0135963	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0123676	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.1207794	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	0.0548157	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,4-Dichlorophenol	120-83-2	0.0490221	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.0599457	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.1441738	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.0347621	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.0171008	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.0463494	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.0533673	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.0707484	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylphenol	95-48-7	0.0454615	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.0374347	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.0637305	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7	0.017381											0.012	N
	3,3'-Dichlorobenzidine	91-94-1	0.3505176	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.242	N
	3-Methylphenol	108-39-4	0.0521431	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N

Attachment 4: Bank Soil LWA Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Segs 4-7 Max	RBB-607+00-SW12 Seg. 4		RBB-614+50-SW4 Seg. 4		RCC-639+00-SW9 Seg. 4		RFF-719+00-SW33 Seg. 4		RFF-721+50-SW9 Seg. 4		RHH-761+00-NE24 Seg. 4	
				Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect
	3-Nitroaniline	99-09-2	0.0746497	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.1236762	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.0686363	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.0463494	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.0637305	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.0454615	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.135963	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.089802	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Azobenzene	103-33-3	0.0490578	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.1710078	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.04178	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzyl alcohol	100-51-6	0.2216082	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.0454615	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.031641	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	BISPHENOL A	80-05-7	0.0318652	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.0649547	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Chlorobenzilate	510-15-6	0.004121	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Dimethyl phthalate	131-11-3	0.0345379	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.0664031	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N
	Nitrobenzene	98-95-3	0.0492463	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.04178	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.0446768	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.0405558	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachloronitrobenzene	82-68-8	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Phenol	108-95-2	0.0483584	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4	0.0188295											0.013	N
	Pyridine	110-86-1	0.0521431	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N

Notes:

LWA	length weighted average
Max	maximum
N	not detected, based on 1/2 detection limit
Y	detected

Attachment 4: Bank Soil LWA Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Segs 4-7 Max	RII-779+50-NE20 Seg. 4		RII-782+50-SW33 Seg. 4		RII-796+00-NE33 Seg. 5		RII-806+00-NE20 Seg. 5		RII-811+00-NE16 Seg. 5		RJJ-822+00-NE7 Seg. 5	
				Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect
Metal	Gold	7440-57-5	0.0505	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	Aldrin	309-00-2	0.0049058	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	ALPHA-CHLORDANE	5103-71-9	0.0057937	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.0159326	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Diallate (total)	2303-16-4	0.0055695	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dimethoate	60-51-5	0.0135963	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.0403315	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0123676	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan II	33213-65-9	0.0057937	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.004121	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin aldehyde	7421-93-4	0.0078026	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.0159326	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.0078026	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.0055695	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.0055695	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.0057937	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Isodrin	465-73-6	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.0144842	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0109192	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Oxychlordane	27304-13-8	0.0049058	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Phorate	298-02-2	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Polybrominated biphenyls	67774-32-7	0.0260716	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.0049058	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.0135963	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0123676	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.1207794	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	0.0548157	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,4-Dichlorophenol	120-83-2	0.0490221	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.0599457	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.1441738	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.0347621	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.0171008	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.0463494	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.0533673	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.0707484	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylphenol	95-48-7	0.0454615	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.0374347	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.0637305	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7	0.017381					0.012	N	0.012	N	0.012	N	0.012	N
	3,3'-Dichlorobenzidine	91-94-1	0.3505176	0.024	N	0.024	N	0.242	N	0.242	N	0.242	N	0.242	N
	3-Methylphenol	108-39-4	0.0521431	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N

Attachment 4: Bank Soil LWA Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Segs 4-7 Max	RII-779+50-NE20 Seg. 4		RII-782+50-SW33 Seg. 4		RII-796+00-NE33 Seg. 5		RII-806+00-NE20 Seg. 5		RII-811+00-NE16 Seg. 5		RJJ-822+00-NE7 Seg. 5	
				Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect
	3-Nitroaniline	99-09-2	0.0746497	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.1236762	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.0686363	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.0463494	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.0637305	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.0454615	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.135963	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.089802	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Azobenzene	103-33-3	0.0490578	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.1710078	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.04178	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzyl alcohol	100-51-6	0.2216082	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.0454615	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.031641	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	BISPHENOL A	80-05-7	0.0318652	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.0649547	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Chlorobenzilate	510-15-6	0.004121	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Dimethyl phthalate	131-11-3	0.0345379	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.0664031	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N
	Nitrobenzene	98-95-3	0.0492463	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.04178	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.0446768	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.0405558	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachloronitrobenzene	82-68-8	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Phenol	108-95-2	0.0483584	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4	0.0188295					0.013	N	0.013	N	0.013	N	0.013	N
	Pyridine	110-86-1	0.0521431	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N

Notes:

LWA	length weighted average
Max	maximum
N	not detected, based on 1/2 detection limit
Y	detected

Attachment 4: Bank Soil LWA Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Segs 4-7 Max	RJJ-842+00-NE4 Seg. 5		RJJ-851+50-NE20 Seg. 5		RKK-870+50-SW17 Seg. 5		RLL-892+00-NE32 Seg. 5		RMM-903+50-NE17 Seg. 5		RMM-926+00-SW13 Seg. 5	
				Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect
Metal	Gold	7440-57-5	0.0505	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.0261658	0.02	N	0.02	N	0.0261658	N	0.02	N	0.02	N	0.02	N
	Aldrin	309-00-2	0.0049058	0.003	N	0.003	N	0.0049058	N	0.003	N	0.003	N	0.003	N
	ALPHA-CHLORDANE	5103-71-9	0.0057937	0.004	N	0.004	N	0.0057937	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.0159326	0.011	N	0.011	N	0.0159326	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.0070179	0.005	N	0.005	N	0.0070179	N	0.005	N	0.005	N	0.005	N
	Diallate (total)	2303-16-4	0.0055695	0.004	N	0.004	N	0.0055695	N	0.004	N	0.004	N	0.004	N
	Dimethoate	60-51-5	0.0135963	0.009	N	0.009	N	0.0135963	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.0403315	0.028	N	0.028	N	0.0403315	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0123676	0.0085	N	0.0085	N	0.0123676	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan II	33213-65-9	0.0057937	0.004	N	0.004	N	0.0057937	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.004121	0.003	N	0.003	N	0.004121	N	0.003	N	0.003	N	0.003	N
	Endrin aldehyde	7421-93-4	0.0078026	0.005	N	0.005	N	0.0078026	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.0159326	0.011	N	0.011	N	0.0159326	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.0078026	0.005	N	0.005	N	0.0078026	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.0055695	0.004	N	0.004	N	0.0055695	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.0055695	0.004	N	0.004	N	0.0055695	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.0057937	0.004	N	0.004	N	0.0057937	N	0.004	N	0.004	N	0.004	N
	Isodrin	465-73-6	0.0070179	0.005	N	0.005	N	0.0070179	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.0070179	0.005	N	0.005	N	0.0070179	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.0144842	0.01	N	0.01	N	0.0144842	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0109192	0.0075	N	0.0075	N	0.0109192	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.0070179	0.005	N	0.005	N	0.0070179	N	0.005	N	0.005	N	0.005	N
	Oxychlordane	27304-13-8	0.0049058	0.003	N	0.003	N	0.0049058	N	0.003	N	0.003	N	0.003	N
	Phorate	298-02-2	0.0070179	0.005	N	0.005	N	0.0070179	N	0.005	N	0.005	N	0.005	N
	Polybrominated biphenyls	67774-32-7	0.0260716	0.018	N	0.018	N	0.0260716	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.0049058	0.003	N	0.003	N	0.0049058	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.0135963	0.009	N	0.009	N	0.0135963	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0123676	0.0085	N	0.0085	N	0.0123676	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.1207794	0.083	N	0.083	N	0.1207794	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.0070179	0.005	N	0.005	N	0.0070179	N	0.005	N	0.005	N	0.005	N
Styrene	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.0261658	0.02	N	0.02	N	0.0261658	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.0261658	0.02	N	0.02	N	0.0261658	N	0.02	N	0.02	N	0.02	N
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.0261658	0.02	N	0.02	N	0.0261658	N	0.02	N	0.02	N	0.02	N
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.0261658	0.02	N	0.02	N	0.0261658	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.0261658	0.02	N	0.02	N	0.0261658	N	0.02	N	0.02	N	0.02	N
SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	0.0548157	0.038	N	0.038	N	0.0548157	N	0.038	N	0.038	N	0.038	N
	2,4-Dichlorophenol	120-83-2	0.0490221	0.034	N	0.034	N	0.0490221	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.0599457	0.041	N	0.041	N	0.0599457	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.1441738	0.0995	N	0.0995	N	0.1441738	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.0347621	0.024	N	0.024	N	0.0347621	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.0171008	0.012	N	0.012	N	0.0171008	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.0463494	0.032	N	0.032	N	0.0463494	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.0533673	0.037	N	0.037	N	0.0533673	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.0707484	0.049	N	0.049	N	0.0707484	N	0.049	N	0.049	N	0.049	N
	2-Methylphenol	95-48-7	0.0454615	0.031	N	0.031	N	0.0454615	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.0374347	0.026	N	0.026	N	0.0374347	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.0637305	0.044	N	0.044	N	0.0637305	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7	0.017381	0.012	N			0.017381	N			0.012	N		
	3,3'-Dichlorobenzidine	91-94-1	0.3505176	0.242	N	0.024	N	0.3505176	N	0.024	N	0.242	N	0.024	N
	3-Methylphenol	108-39-4	0.0521431	0.036	N	0.036	N	0.0521431	N	0.036	N	0.036	N	0.036	N

Attachment 4: Bank Soil LWA Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Segs 4-7 Max	RJJ-842+00-NE4 Seg. 5		RJJ-851+50-NE20 Seg. 5		RKK-870+50-SW17 Seg. 5		RLL-892+00-NE32 Seg. 5		RMM-903+50-NE17 Seg. 5		RMM-926+00-SW13 Seg. 5	
				Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect
	3-Nitroaniline	99-09-2	0.0746497	0.0515	N	0.0515	N	0.0746497	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.1236762	0.085	N	0.085	N	0.1236762	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.0686363	0.047	N	0.047	N	0.0686363	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.0463494	0.032	N	0.032	N	0.0463494	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.0637305	0.044	N	0.044	N	0.0637305	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.0454615	0.031	N	0.031	N	0.0454615	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.135963	0.09	N	0.09	N	0.135963	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.089802	0.062	N	0.062	N	0.089802	N	0.062	N	0.062	N	0.062	N
	Azobenzene	103-33-3	0.0490578	0.03	N	0.03	N	0.0490578	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.1710078	0.12	N	0.12	N	0.1710078	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.04178	0.029	N	0.029	N	0.04178	N	0.029	N	0.029	N	0.029	N
	Benzyl alcohol	100-51-6	0.2216082	0.153	N	0.153	N	0.2216082	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.0454615	0.031	N	0.031	N	0.0454615	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.031641	0.022	N	0.022	N	0.031641	N	0.022	N	0.022	N	0.022	N
	BISPHENOL A	80-05-7	0.0318652	0.022	N	0.022	N	0.0318652	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.0649547	0.045	N	0.045	N	0.0649547	N	0.045	N	0.045	N	0.045	N
	Chlorobenzilate	510-15-6	0.004121	0.003	N	0.003	N	0.004121	N	0.003	N	0.003	N	0.003	N
	Dimethyl phthalate	131-11-3	0.0345379	0.024	N	0.024	N	0.0345379	N	0.024	N	0.024	N	0.024	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.0664031	0.046	N	0.046	N	0.0664031	N	0.046	N	0.046	N	0.046	N
	Nitrobenzene	98-95-3	0.0492463	0.034	N	0.034	N	0.0492463	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.04178	0.029	N	0.029	N	0.04178	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.0446768	0.031	N	0.031	N	0.0446768	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.0405558	0.028	N	0.028	N	0.0405558	N	0.028	N	0.028	N	0.028	N
	Pentachloronitrobenzene	82-68-8	0.0070179	0.005	N	0.005	N	0.0070179	N	0.005	N	0.005	N	0.005	N
	Phenol	108-95-2	0.0483584	0.033	N	0.033	N	0.0483584	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4	0.0188295	0.013	N			0.0188295	N			0.013	N		
	Pyridine	110-86-1	0.0521431	0.036	N	0.036	N	0.0521431	N	0.036	N	0.036	N	0.036	N

Notes:

LWA	length weighted average
Max	maximum
N	not detected, based on 1/2 detection limit
Y	detected

Attachment 4: Bank Soil LWA Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Segs 4-7 Max	RNN-954+50-SW7 Seg. 6		RPP-993+00-SW19 Seg. 6		RRR-1034+00-SW41 Seg. 6		RRR-1040+50-NE21 Seg. 6		RSS-1078+50-NE10 Seg. 6		RSS-1078+50-SW22 Seg. 6	
				Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect
Metal	Gold	7440-57-5	0.0505	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N	0.0505	N
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	Aldrin	309-00-2	0.0049058	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	ALPHA-CHLORDANE	5103-71-9	0.0057937	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.0159326	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Diallate (total)	2303-16-4	0.0055695	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Dimethoate	60-51-5	0.0135963	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.0403315	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0123676	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Endosulfan II	33213-65-9	0.0057937	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.004121	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Endrin aldehyde	7421-93-4	0.0078026	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.0159326	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.0078026	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.0055695	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.0055695	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.0057937	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N	0.004	N
	Isodrin	465-73-6	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.0144842	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0109192	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Oxychlordane	27304-13-8	0.0049058	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Phorate	298-02-2	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Polybrominated biphenyls	67774-32-7	0.0260716	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.0049058	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.0135963	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0123676	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.1207794	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
Styrene	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.0261658	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N	0.02	N
SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	0.0548157	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N	0.038	N
	2,4-Dichlorophenol	120-83-2	0.0490221	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.0599457	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.1441738	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.0347621	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.0171008	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.0463494	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.0533673	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.0707484	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N	0.049	N
	2-Methylphenol	95-48-7	0.0454615	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.0374347	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.0637305	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7	0.017381	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N	0.012	N
	3,3'-Dichlorobenzidine	91-94-1	0.3505176	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N	0.242	N
	3-Methylphenol	108-39-4	0.0521431	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N

Attachment 4: Bank Soil LWA Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Segs 4-7 Max	RNN-954+50-SW7 Seg. 6		RPP-993+00-SW19 Seg. 6		RRR-1034+00-SW41 Seg. 6		RRR-1040+50-NE21 Seg. 6		RSS-1078+50-NE10 Seg. 6		RSS-1078+50-SW22 Seg. 6	
				Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect	Value	Detect
	3-Nitroaniline	99-09-2	0.0746497	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.1236762	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.0686363	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.0463494	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.0637305	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.0454615	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.135963	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.089802	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N	0.062	N
	Azobenzene	103-33-3	0.0490578	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.1710078	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.04178	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	Benzyl alcohol	100-51-6	0.2216082	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.0454615	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.031641	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	BISPHENOL A	80-05-7	0.0318652	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.0649547	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N	0.045	N
	Chlorobenzilate	510-15-6	0.004121	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N	0.003	N
	Dimethyl phthalate	131-11-3	0.0345379	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N	0.024	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.0664031	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N	0.046	N
	Nitrobenzene	98-95-3	0.0492463	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.04178	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.0446768	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.0405558	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N	0.028	N
	Pentachloronitrobenzene	82-68-8	0.0070179	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N	0.005	N
	Phenol	108-95-2	0.0483584	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4	0.0188295	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N	0.013	N
	Pyridine	110-86-1	0.0521431	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N	0.036	N

Notes:

LWA	length weighted average
Max	maximum
N	not detected, based on 1/2 detection limit
Y	detected

Attachment 4: Bank Soil LWA Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Segs 4-7 Max	RTT-1107+50-NE22 Seg. 7		RXX-1238+00-NE14 Seg. 7		RXX-1254+50-NE39 Seg. 7	
				Value	Detect	Value	Detect	Value	Detect
Metal	Gold	7440-57-5	0.0505	0.0505	N	0.0505	N	0.0505	N
Pesticide	(E)-beta-2,3,4,5,6-Hexachlorostyrene	90301-92-1	0.0261658	0.02	N	0.02	N	0.02	N
	Aldrin	309-00-2	0.0049058	0.003	N	0.003	N	0.003	N
	ALPHA-CHLORDANE	5103-71-9	0.0057937	0.004	N	0.004	N	0.004	N
	Chlorpyrifos	2921-88-2	0.0159326	0.011	N	0.011	N	0.011	N
	cis-Nonachlor	5103-73-1	0.0070179	0.005	N	0.005	N	0.005	N
	Diallate (total)	2303-16-4	0.0055695	0.004	N	0.004	N	0.004	N
	Dimethoate	60-51-5	0.0135963	0.009	N	0.009	N	0.009	N
	Dinoseb	88-85-7	0.0403315	0.028	N	0.028	N	0.028	N
	Disulfoton	298-04-4	0.0123676	0.0085	N	0.0085	N	0.0085	N
	Endosulfan II	33213-65-9	0.0057937	0.004	N	0.004	N	0.004	N
	Endosulfan sulfate	1031-07-8	0.004121	0.003	N	0.003	N	0.003	N
	Endrin aldehyde	7421-93-4	0.0078026	0.005	N	0.005	N	0.005	N
	Famphur	52-85-7	0.0159326	0.011	N	0.011	N	0.011	N
	gamma-BHC	58-89-9	0.0078026	0.005	N	0.005	N	0.005	N
	GAMMA-CHLORDANE	12789-03-6	0.0055695	0.004	N	0.004	N	0.004	N
	Heptachlor	76-44-8	0.0055695	0.004	N	0.004	N	0.004	N
	Heptachlor epoxide	1024-57-3	0.0057937	0.004	N	0.004	N	0.004	N
	Isodrin	465-73-6	0.0070179	0.005	N	0.005	N	0.005	N
	Methoxychlor	72-43-5	0.0070179	0.005	N	0.005	N	0.005	N
	Methyl chlorpyrifos	5598-13-0	0.0144842	0.01	N	0.01	N	0.01	N
	Methyl parathion	298-00-0	0.0109192	0.0075	N	0.0075	N	0.0075	N
	Mirex	2385-85-5	0.0070179	0.005	N	0.005	N	0.005	N
	Oxychlordane	27304-13-8	0.0049058	0.003	N	0.003	N	0.003	N
	Phorate	298-02-2	0.0070179	0.005	N	0.005	N	0.005	N
	Polybrominated biphenyls	67774-32-7	0.0260716	0.018	N	0.018	N	0.018	N
	Propachlor	1918-16-7	0.0049058	0.003	N	0.003	N	0.003	N
	Ronnel	299-84-3	0.0135963	0.009	N	0.009	N	0.009	N
	Thionazin	297-97-2	0.0123676	0.0085	N	0.0085	N	0.0085	N
	Toxaphene	8001-35-2	0.1207794	0.083	N	0.083	N	0.083	N
	trans-Nonachlor	39765-80-5	0.0070179	0.005	N	0.005	N	0.005	N
Styrene	(Z)-alpha,beta-2,3,4,5,6-Heptachlorostyrene	29086-39-3	0.0261658	0.02	N	0.02	N	0.02	N
	(Z)-beta-2,3,4,5,6-Hexachlorostyrene	90301-93-2	0.0261658	0.02	N	0.02	N	0.02	N
	2,3,4,5,6-Pentachlorostyrene	14992-81-5	0.0261658	0.02	N	0.02	N	0.02	N
	alpha-2,3,4,5,6-Hexachlorostyrene	68705-15-7	0.0261658	0.02	N	0.02	N	0.02	N
	beta,beta-2,3,4,5,6-Heptachlorostyrene	29082-75-5	0.0261658	0.02	N	0.02	N	0.02	N
SVOC	2,2'-oxybis(1-Chloropropane)	108-60-1	0.0548157	0.038	N	0.038	N	0.038	N
	2,4-Dichlorophenol	120-83-2	0.0490221	0.034	N	0.034	N	0.034	N
	2,4-Dimethylphenol	105-67-9	0.0599457	0.041	N	0.041	N	0.041	N
	2,4-Dinitrophenol	51-28-5	0.1441738	0.0995	N	0.0995	N	0.0995	N
	2,4-Dinitrotoluene	121-14-2	0.0347621	0.024	N	0.024	N	0.024	N
	2,6-Dichlorophenol	87-65-0	0.0171008	0.012	N	0.012	N	0.012	N
	2,6-Dinitrotoluene	606-20-2	0.0463494	0.032	N	0.032	N	0.032	N
	2-Chloronaphthalene	91-58-7	0.0533673	0.037	N	0.037	N	0.037	N
	2-Chlorophenol	95-57-8	0.0707484	0.049	N	0.049	N	0.049	N
	2-Methylphenol	95-48-7	0.0454615	0.031	N	0.031	N	0.031	N
	2-Nitroaniline	88-74-4	0.0374347	0.026	N	0.026	N	0.026	N
	2-Nitrophenol	88-75-5	0.0637305	0.044	N	0.044	N	0.044	N
	2-Phenylphenol	90-43-7	0.017381	0.012	N	0.012	N	0.012	N
	3,3'-Dichlorobenzidine	91-94-1	0.3505176	0.242	N	0.242	N	0.242	N
	3-Methylphenol	108-39-4	0.0521431	0.036	N	0.036	N	0.036	N

Attachment 4: Bank Soil LWA Screening: SCOIs Not Detected
Segments 4-7 SCOI Screening

Class	Chemical Name	CAS #	Segs 4-7 Max	RTT-1107+50-NE22 Seg. 7		RXX-1238+00-NE14 Seg. 7		RXX-1254+50-NE39 Seg. 7	
				Value	Detect	Value	Detect	Value	Detect
	3-Nitroaniline	99-09-2	0.0746497	0.0515	N	0.0515	N	0.0515	N
	4,6-Dinitro-2-methylphenol	534-52-1	0.1236762	0.085	N	0.085	N	0.085	N
	4-Bromophenyl-phenyl ether	101-55-3	0.0686363	0.047	N	0.047	N	0.047	N
	4-Chloro-3-methylphenol	59-50-7	0.0463494	0.032	N	0.032	N	0.032	N
	4-Chlorophenyl-phenyl ether	7005-72-3	0.0637305	0.044	N	0.044	N	0.044	N
	4-Methylphenol	106-44-5	0.0454615	0.031	N	0.031	N	0.031	N
	4-Nitroaniline	100-01-6	0.135963	0.09	N	0.09	N	0.09	N
	4-Nitrophenol	100-02-7	0.089802	0.062	N	0.062	N	0.062	N
	Azobenzene	103-33-3	0.0490578	0.03	N	0.03	N	0.03	N
	Benzidine	92-87-5	0.1710078	0.12	N	0.12	N	0.12	N
	Benzo(a)anthracene	56-55-3	0.04178	0.029	N	0.029	N	0.029	N
	Benzyl alcohol	100-51-6	0.2216082	0.153	N	0.153	N	0.153	N
	bis(2-Chloroethoxy)methane	111-91-1	0.0454615	0.031	N	0.031	N	0.031	N
	bis(2-Chloroethyl) ether	111-44-4	0.031641	0.022	N	0.022	N	0.022	N
	BISPHENOL A	80-05-7	0.0318652	0.022	N	0.022	N	0.022	N
	Butylbenzylphthalate	85-68-7	0.0649547	0.045	N	0.045	N	0.045	N
	Chlorobenzilate	510-15-6	0.004121	0.003	N	0.003	N	0.003	N
	Dimethyl phthalate	131-11-3	0.0345379	0.024	N	0.024	N	0.024	N
	DI-N-OCTYLPHTHALATE	117-84-0	0.0664031	0.046	N	0.046	N	0.046	N
	Nitrobenzene	98-95-3	0.0492463	0.034	N	0.034	N	0.034	N
	N-Nitrosodimethylamine	62-75-9	0.04178	0.029	N	0.029	N	0.029	N
	N-Nitroso-di-n-propylamine	621-64-7	0.0446768	0.031	N	0.031	N	0.031	N
	N-Nitrosodiphenylamine	86-30-6	0.0405558	0.028	N	0.028	N	0.028	N
	Pentachloronitrobenzene	82-68-8	0.0070179	0.005	N	0.005	N	0.005	N
	Phenol	108-95-2	0.0483584	0.033	N	0.033	N	0.033	N
	p-tert-Butylphenol	98-54-4	0.0188295	0.013	N	0.013	N	0.013	N
	Pyridine	110-86-1	0.0521431	0.036	N	0.036	N	0.036	N

Notes:

LWA	length weighted average
Max	maximum
N	not detected, based on 1/2 detection limit
Y	detected

Attachment 5A: In-Channel Sediment Screening: Additional Risk-Based Consideration (upper 2 feet)
Segments 4-7 SCOI Screening

			Benchmarks (a) (mg/kg)		In-Channel Surficial Sediment (upper 2 ft*) (mg/kg)									
Class	**Chemical Name**	**CAS #**	**Site Specific EqP Benchmarks (1.7% TOC)**	**Other Published BMK**	**Avg. (b)**	**Max.**	**Frequency of Detection (FoD)**			**FoD Exceeding Benchmarks (EqP, other pub. BMK)**			**Screened Out**
Metal	Beryllium	7440-41-7	NA	1.8	0.25	14	16	/	71	1	/	71	Yes
	Boron	7440-42-8	NA	33	14.9	310	70	/	71	1	/	71	Yes
	Cadmium	7440-43-9	NA	2.5	0.65	42	11	/	71	1	/	71	Yes
	Lithium	7439-93-2	NA	41	3.8	48	70	/	71	1	/	71	Yes
	Potassium	7440-09-7	NA	2300	213	3100	70	/	71	1	/	71	Yes
	Selenium	7782-49-2	NA	1.2	0.98	69	1	/	71	1	/	71	Yes
	Sodium	7440-23-5	NA	12000	123	670	70	/	71	0	/	71	Yes
	Thallium	7440-28-0	NA	3.8	2.1	140	1	/	71	1	/	71	Yes
	Vanadium	7440-62-2	NA	89	4.5	45	70	/	71	0	/	71	Yes
	Zinc	7440-66-6	NA	75	22.6	150	70	/	71	2	/	71	Yes
SVOC	bis(2-Ethylhexyl)phthalate	117-81-7	76.5	NA	0.1	0.2	6	/	71	0	/	71	Yes
	Di-n-butyl phthalate	84-74-2	20.4	NA	0.076	1.4	1	/	71	0	/	71	Yes
	Total PAHs (c)	TPAH_ERA_Dow	--	--	1.798	15.62	61	/	71	NA	/	NA	No

Notes:

(a) See Table B.3C for benchmark derivation/source
(b) Average calculated assuming half the detection limit for non-detects
(c) Total PAH sediment concentrations that did not screen out based on background and PLER comparisons are compared to the organic-carbon normalized NSR value for total PAHs developed in the Segment 1 Response Proposal.
* Defined by a start depth of less than 2 ft
-- not available
Avg. average
BMK benchmark
CAS chemical abstract service
EqP equilibrium partitioning benchmark
FoD frequency of detection
ft foot
Max. maximum
mg/kg milligram per kilogram
NA not applicable
SVOC semi-volatile organic compound
TOC total organic carbon

Attachment 5B: In-Channel Sediment Screening: Additional Risk-Based Consideration for Total PAHs (upper 2 ft)
Segments 4-7 SCOI Screening

Location ID	Start Depth (ft)	End Depth (ft)	Total PAHs (mg/kg)	TOC (%)	Organic Carbon Normalized Total PAHs (µg/gOC)	Organic Carbon Normalized NSR Value (µg/gOC)
RQQ-1023+00-IC44	0.5	1	15.6205	7	223.15	1373

ft foot
% percent
µg/gOC microgram(s) per gram organic carbon
mg/kg millgram(s) per kilogram
NSR no significant risk
PAH polycyclic aromatic hydrocarbon
TOC total organic carbon

Attachment 5C: In-Channel Screening: Additional Risk-Based Consideration Summary (upper 2 ft)
Segments 4-7 SCOI Screening

Class	Chemical Name	In-Channel Surficial Sediment (upper 2 ft*)			
		EqP	Other published BMK	OC normalized NSR	Screened Out
Metal	Beryllium	--	X	--	Yes
	Boron	--	X	--	Yes
	Cadmium	--	X	--	Yes
	Lithium	--	X	--	Yes
	Potassium	--	X	--	Yes
	Selenium	--	X	--	Yes
	Sodium	--	X	--	Yes
	Thallium	--	X	--	Yes
	Vanadium	--	X	--	Yes
	Zinc	--	X	--	Yes
SVOC	bis(2-Ethylhexyl)phthalate	X	--	--	Yes
	Di-n-butyl phthalate	X	--	--	Yes
	Total PAHs (a)	--	--	X	Yes

Notes:

(a) Total PAH sediment concentrations that did not screen out based on background and PLER comparisons are compared to the organic-carbon normalized NSR value for total PAHs developed in the Segment 1 Response Proposal.

* Defined by a start depth of less than 2 ft

BMK benchmark

EqP equilibrium partitioning benchmark

ft foot

NSR no significant risk

OC organic carbon

PAHs polycyclic aromatic hydrocarbons

SVOC semi-volatile organic compound

Attachment 6: Uncertainty Evaluation: Bank Soil LWA Comparison to Sediment and Soil Background Values
Segments 4-7 SCOI Screening

Chemical Name	CAS #	Bank LWA Max. (mg/kg)	Max BKG (mg/kg)	Sediment Background: Chippewa River mg/kg	Chippewa River Detect	Pine River mg/kg	Pine River Detect	Tittabawassee River mg/kg	Tittabawassee River Detect	Soil Background: MI DEQ Soil BKG (mg/kg) Max	MI DEQ Soil BKG (mg/kg) Median	Mean USGS Soil BKG (mg/kg)	Does Use of DEQ Median MI Soil BKG value alter screening outcome	Comments
Aluminum	7429-90-5	31000	72000	11000	Y	7700	Y	20000	Y	16324	3420	72000	No	Bank LWA max exceeds the median MI soil BKG value, but it does not exceed the mean USGS soil BKG.
Antimony	7440-36-0	8.4	2.5	0.02	N	0.02	N	0.02	N	2.5	< 5	0.67	No	This SCOI was included in screening regardless of BKG value.
Arsenic	7440-38-2	18	28	3	Y	1.6	Y	5.7	Y	28	3.8	7.2	No	Bank LWA max < PLER of 150.
Barium	7440-39-3	63	580	46	Y	23	Y	28	Y	220	38	580	No	Bank LWA max exceeds the median MI soil BKG value, but it does not exceed the mean USGS soil BKG. Bank max < SSSL.
Beryllium	7440-41-7	0.4	1.8	0.25	Y	0.15	Y	0.26	Y	1.8	<0.5	0.92	No	Bank LWA max exceeds the median MI soil BKG value, but it does not exceed the mean USGS soil BKG. Bank max < ESLB.
Boron	7440-42-8	20.29	33	18	Y	11	Y	15	Y	--	--	33	No	Not applicable because no DEQ median soil value. Bank LWA < mean USGS soil BKG.
Cadmium	7440-43-9	0.4	2.5	0.04	N	0.16	Y	0.04	N	2.5	< 2	--	No	Bank LWA max is < the MI median BKG value.
Calcium	7440-70-2	82143	190000	170000	Y	180000	Y	190000	Y	--	--	24000	No	Not applicable because no DEQ median soil value. Bank LWA < max sediment BKG value.
Chromium (Total)	7440-47-3	22	55	8.8	Y	8.6	Y	9.5	Y	55	10	--	No	Bank LWA max exceeds the median MI soil BKG value, but bank max < SSSL.
Cobalt	7440-48-4	17.3	12	3.8	Y	2.6	Y	4.4	Y	12	< 5	9.1	No	This SCOI was included in screening regardless of BKG value.
Copper	7440-50-8	52	58	9.7	Y	6.6	Y	8.2	Y	58	10	25	No	Bank LWA max exceeds the median MI soil BKG value, but bank max < SSSL.
Gold	7440-57-5	0.05	0.05	0.05	N	0.05	N	0.05	N	--	--	--	No	Not applicable because no DEQ median soil value. Gold was not detected in bank soil.
Iron	7439-89-6	69000	38000	36000	Y	16000	Y	38000	Y	34233	5645	26000	No	This SCOI was included in screening regardless of BKG value.
Lead	7439-92-1	44	45	4.7	Y	3.6	Y	4.7	Y	45	7.7	19	No	Bank LWA max exceeds the median MI soil BKG value, but bank max < SSSL.
Lithium	7439-93-2	14	41	11	Y	9.9	Y	19	Y	41	3.5	24	No	Bank LWA max exceeds the median MI soil BKG value, but bank max < ESLB.
Magnesium	7439-95-4	53571	210000	190000	Y	210000	Y	99000	Y	29875	824	9000	No	Bank LWA max exceeds the median MI soil BKG value, but it does not exceed the max sediment BKG.
Manganese	7439-96-5	2300	1800	1200	Y	420	Y	1800	Y	1391	190	550	No	This SCOI was included in screening regardless of BKG value.
Mercury	7439-97-6	0.18	0.6	0.02	Y	0.00465	N	0.01	Y	0.6	< 0.1	0.089	No	Bank LWA max exceeds the median MI soil BKG value, but bank max < SSSL.
Nickel	7440-02-0	12	39	11	Y	7.6	Y	14	Y	39	11	19	No	Bank LWA max exceeds the median MI soil BKG value, but it does not exceed the max sediment BKG.
Potassium	7440-09-7	1232	2300	1400	Y	1200	Y	2300	Y	--	--	--	No	Not applicable because no DEQ median soil value. Bank LWA max < sediment BKG values.
Selenium	7782-49-2	0.30	1.2	0.45	Y	0.01	N	0.01	N	1.2	< 0.5	0.39	No	Bank LWA max exceeds the median MI soil BKG value, but it does not exceed the max sediment BKG.
Silver	7440-22-4	57	23	0.02	N	14	Y	23	Y	2	< 0.5	--	No	This SCOI was included in screening regardless of BKG value.
Sodium	7440-23-5	458	12000	340	Y	230	Y	310	Y	195	98	12000	No	Bank LWA max exceeds the median MI soil BKG value, but it does not exceed the mean USGS soil BKG.
Strontium	7440-24-6	85	240	62	Y	47	Y	63	Y	150	100	240	No	Bank LWA max is < the MI median BKG value.
Thallium	7440-28-0	1.2	3.8	0.095	N	0.095	N	0.095	N	3.8	< 1	--	No	Bank LWA max exceeds the median MI soil BKG value, but bank max < SSSL.
Tin	7440-31-5	0.5	1.3	0.11	N	0.11	N	0.11	N	--	--	1.3	No	Not applicable because no DEQ median soil value. Bank LWA max < mean USGS soil BKG.
Titanium	7440-32-6	150	2900	150	Y	160	Y	130	Y	217	112	2900	No	Bank LWA max exceeds the median MI soil BKG value, but it does not exceed the max sediment BKG.
Vanadium	7440-62-2	16	89	11	Y	11	Y	13	Y	89	11	80	No	Bank LWA max exceeds the median MI soil BKG value, but bank max < SSSL.
Zinc	7440-66-6	120	75	27	Y	37	Y	27	Y	75	32	60	No	This SCOI was included in screening regardless of BKG value.

Notes:

BKG	background
CR	Chippewa River
ESLB	ecological screening level benchmark
LWA	length weighted average
max	maximum
mg/kg	milligram per kilogram
MI	Michigan
N	no
PLER	potential level for ecological risk
PR	Pine River
SCOI	secondary constituents of interest
SSSL	site-specific screening level
TR	Tittabawassee River
USGS	United States Geological Survey
Y	yes
--	not reported

- Denotes maximum BKG not MI Soil BKG maximum
- Bank LWA max > BKG max
- Denotes bank LWA max < BKG value other than MI Soil BKG maximum
- Denotes bank LWA max < MI BKG median
- not detected