CPC PUERTO RICO CORE INC.
LOSS PREVENTION DEPARTMENT

January 21, 2005

Mr. Samuel Ezekwo
Caribbean Section
RCRA Programs Branch
Environmental Protection Agency
290 Broadway, 22nd Floor
New York, NY 10007-1866

RE: Section 4.0 of the Final Risk Characterization Report –
Chevron Phillips Chemical Puerto Rico Core Inc.

Dear Mr. Ezekwo:

CPCPRC has addressed EPA's December 17, 2004, Technical Review Comments on the Final Risk Characterization Report. CPCPRC has included a "Response to Comment" document as well as replacement pages for the Risk Characterization Report. The comments' focus was mainly on Sections 4.0 and 5.0 of the report. Please note that Section 5.0 has been removed from the report as suggested by EPA in General Comment 2.

Please replace the identified sections or pages with the attached as outlined below.

- Table of Contents (TOC) – Replace the TOC with the attached. The revised TOC reflects the pagination changes made to Section 4.0 as a result of revision of this section. In addition, Section 5.0, which proposed media protection standards, has been removed from the TOC and the report. As indicated in the EPA comments, the site media protection standards can be finalized after the ecological investigations and additional analyses are completed.

- Section 4.0 – Replace with the new Section 4.0 attached. Although the majority of the text changes were made after Section 4.4, the entire text of Section 4.0 has been reissued for simplicity.

- Replace Tables 4-8, 4-12, and Tables 4-19 through 4-24 with the attached tables. Please note that Table 4-24 was previously issued on the compact disk attached to the report.

- Remove Section 5.0 – As stated above, CPCPRC agrees that the media protection standards cannot be determined until the ecological MPSs can be quantified.

CPCPRC would like to suggest a conference call with EPA following review of the attached corrections to discuss the scope of the proposed bioassay work.

If you have any questions regarding the attached information, please contact me at (787) 864-1515 ext. 2360.

Cordially,

Néstor Márquez
Loss Prevention Director

Pc: Ms. Connie Crossley
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CPCPRC Response to

"Technical Review, November 2004 Final Risk Characterization Report, CPC Puerto Rico Core Inc. Guayama, Puerto Rico, December 17, 2004"

I. General Comments

1. The responses to Specific Comments 14 and 16, and associated revisions to the Final Risk Characterization Report (RCR), are adequate with respect to aquatic invertebrates, but are not adequate with respect to benthic invertebrates. As discussed in the original comments and on the October 28, 2004 conference call, in cases where the low screening ecotoxicity value (SEV) is exceeded at a frequency greater than 20%, risks to benthic invertebrates cannot be excluded. CPCPRC acknowledges this fact in response to Specific Comment 14, noting that exceedences of low SEVs indicate "possible risk." The language in Sections 4.5.2 (Refined Risk Characterization) and 4.7 (Summary and Conclusions), in contrast, indicates that chemicals detected at concentrations exceeding low SEVs but below high SEVs "present no risk."

   MacDonald et al. (2000) state that "Samples with contaminant concentrations between the TEC (Threshold Effects Concentration) and PC (Probable Effects Concentration) were neither predicted to be toxic nor nontoxic (i.e., the individual SQGs [sediment quality guidelines] are not intended to provide guidance within this range of concentrations." Therefore, exceedance of TECs might be characterized as "uncertain toxicity" or "possible toxicity". However, "presents no risk" certainly appears to underestimate the risk.

   Sections 4.5.2 and 4.7 should be revised to clarify that there is uncertainty associated with the potential for adverse effects in cases of low SEV exceedences. It is also important to add a discussion of acetone risks in the AES area, the Holding Pond, and the Effluent Channel, given the frequency (55 to 83 percent) and magnitude (maximum hazard quotients of 11.1 to 12,626) of low SEV exceedence.

Response:

Changes to the approach for evaluating potential for risk to benthic invertebrates were incorporated into the refined risk characterization following the discussion with EPA on October 28, 2004, of the "Technical Review of the September 2004 Final Risk Characterization Report CPCPRC, Guayama, Puerto Rico, October 5, 2004." Three comments directly related to the benthic invertebrate refined risk characterization (General Comment 3, Specific Comment 14, and Specific Comment 16). Addressing these comments included discussion of how the "application of high and low SEVs in the ERA should be appropriate for all receptor groups with the exception of aquatic biota, as noted by EPA" (Comment 3), discussion of the magnitude HQs for analytes that exceed the SEV (Specific Comment 14), and the uncertainty regarding sediment SEVs for mercury (Specific Comment 16). It was the understanding of CPCPRC that the use of only low SEVs for determining risk would only apply to Aquatic Biota (water column dwelling organisms), while low and high SEVs could apply to benthic biota. The

use of low and high SEVs certainly contains uncertainty, but is extensively used for establishing a guideline for when effects are likely to occur in wildlife evaluations.

This uncertainty regarding the potential for risk between low and high SEVs for benthic invertebrates has been added to describe sediment concentrations:

"There is inherent uncertainty accompanying all derived toxicity values as they cannot apply to all environmental situations or species. The potential for adverse effects to benthic invertebrates is uncertain when sediment concentrations occur between the low SEV, at which concentration adverse effects are not likely, and the high SEV, where adverse effects are likely. As a consequence, risk to benthic invertebrates from sediments may be overestimated by the low SEV and underestimated by the high SEV."

The Refined Risk Characterization for Benthic Invertebrates (Section 4.5.2) has also been corrected according to these latest EPA comments. Preliminary COPECs for benthic organisms are now grouped into three basic categories. The potential for risk (1) can be excluded for preliminary COPECs where fewer than 20 percent of samples exceed the low SEV; (2) is uncertain when greater than 20 percent of samples (detected or non-detected) exceed the low SEV, but where high SEVs are not available, only non-detected values exceed the low or high SEVs, or where fewer than 20 percent of samples exceed the high SEV; and (3) cannot be excluded when greater than 20 percent of samples exceed the high SEV. The potential for risk was further described as being unlikely for preliminary COPECs retained as uncertainties when SEV exceedances were based entirely or predominantly on non-detected concentrations and when low SEV HQs were of low magnitude. Additional discussion has been included for compounds that do not strictly fall into these three categories or where high low SEV HQs warrant discussion to further characterize the potential for risk (e.g., acetone).

2. Section 5.0 of the RCR presents the development of media protection standards (MPSs). EPA has previously discussed with CPCPRC that site-specific MPSs cannot yet be determined since MPSs protective of ecological receptors have not yet been developed. Once ecological investigations and additional analysis are complete, and the contaminants of concern are known, MPSs protective of ecological receptors should be calculated. Site-specific MPSs can then be selected considering the more conservative of the human health or ecological concentration. Thus, until ecological MPSs are developed and compared relative to human health MPSs, site-specific MPSs cannot yet be approved.

Response:

Comment noted. Section 5.0 of the RCR has been removed and a revised Table of Contents has been issued reflecting this removal. CPCPRC requests that EPA remove Section 5.0 from its RCR.

3. The human health MPSs were developed using a target risk of $1x10^{-5}$ for individual carcinogens to ensure that cumulative residual cancer risks do not exceed $1x10^{-4}$. The target risk of $1x10^{-4}$ is the upper end of EPA's acceptable target risk range of $1x10^{-4}$ to $1x10^{-6}$. During the closure of CPCPRC's basins and as presented in the Final Closure Basin Report, carcinogenic MPSs were developed based on a $1x10^{-6}$ target risk so that cumulative residual cancer risks do not exceed $1x10^{-5}$. EPA believes that setting a $1x10^{-6}$

risk level for individual carcinogens will generally lead to cumulative risks within the acceptable target risk range. Thus, to be consistent with what has been previously approved at the site, it is recommended that a target risk of $1x10^{-6}$ be used for individual carcinogens so that cumulative residual risks do not exceed $1x10^{-5}$ for the site. If, when implemented, it is determined that achieving the target goal is not feasible, a less conservative standard can be proposed based on the circumstances.

Response:

Comment noted. When MPSs are proposed, CPCPRC will be consistent with what has been previously approved at the site (i.e., a target risk of $1x10^{-6}$ be used for individual carcinogens so that cumulative residual risks do not exceed $1x10^{-5}$ for the site). If, when implemented, it is determined that achieving the target goal is not feasible, a less conservative standard can be proposed based on the circumstances.

II. Specific Comments

Section 4.5.2, Refined Risk Characterization

1. The RCR frequently suggests that the biotransfer factors used for hexachlorobenzene (HCB) are overly conservative (e.g., p. 4-29, first complete paragraph), noting that the values are based on regression equations using a high log Kow value. Empirical data may support this assertion for the sediment-to-invertebrate bioaccumulation factor (e.g., USACE 2003), but the estimated water-to-fish bioconcentration factor (BCF) used in this report (i.e., 26,709) is fairly consistent with empirically-derived BCFs for fish (ATSDR 2000). CPCPRC should provide clarification and supporting references. It may also be worthwhile to note whether HCB was ever detected at the site, and whether an HCB release is plausible based on site process knowledge.

   ### Response:

   HCB has been excluded from discussions of rapid environmental degradation, biodegradation, biotransformation, and inappropriate bioaccumulation modeling that pertain to phthalates (Staples et al., 1997) in the refined avian wildlife risk characterization in Section 4.5.2. The potential for risk to avian wildlife from HCB continues to be uncertain and this is now discussed with reference to its lack of detection in all media sampled and the fact that it was not used in or likely to be produced by any of the site chemical processes; thus, HCB is not likely to be a COPEC at this site.

2. On p. 4-31, the RCR asserts that "the use of a highly conservative home range for the black-necked stilt adopted from the lesser yellowlegs is a source of uncertainty and the potential for adverse effects to local populations of avian insectivores is possible but not expected." This assertion should be better supported, or else removed wherever it occurs in the report. While it is agreed that the assumed home range is highly conservative for the black-necked stilt, it is not clear that the assumed area use factors (AUFs) are highly conservative for other avian insectivore receptors that may be present at the site.

Response:

Comment noted. The described text has been deleted from the RCR for the black-necked stilt (BNS). Changes have also been made to the Uncertainty section (4.6) so that reference to the use of a conservative home range for the BNS now reads:

"The use of a conservative home range for the black-necked stilt adopted from the lesser yellowlegs is a source of uncertainty for the exposure assessment. As a consequence, the potential for risk to aquatic avian insectivores may be overestimated or underestimated."

Section 4.5.3, Special-Status Species

3. A discussion of polycyclic aromatic hydrocarbons (PAH) risks has been omitted from this section. Revise this section to discuss these risks.

Response:

This omission had been corrected by expanding the discussion of the potential risks to special status species to include PAHs.

Table 4-12, Initial Risk Estimation for Avian Wildlife Exposed to Site Waterbodies

4. In response to Specific Comment 25, CPCPRC has made appropriate corrections to the dose calculations for the great blue heron. The changes made to black-necked stilt calculations, however, may not be appropriate. The value for food intake from invertebrates is now zero for a number of chemicals (e.g., cadmium, zinc, Aroclors). Please provide an explanation for the change, or correct Table 4-12 to include a dietary component in the dose for all chemicals. Corrections to Tables 4-20 through 4-23 may also be necessary as a result of corrections to Table 4-12.

Response:

An error occurred in the calculation spreadsheet for black-necked stilt (BNS) exposure calculations following the previous round of revisions. This omitted uptake factors to benthic invertebrates derived from regression equations for several metals (As, Cd, Cr, Cr VI, Pb, Mn, Hg, Ni, Se, and Zn) and PCBs. The error has been corrected and the resulting changes to Tables 4-12, 4-20, 4-21, 4-22, and 4-24 have been made and the changes are reflected in the text. The results of these corrections have been to retain six additional metals (Cd, Cr(VI), Mn, Hg, Ni, and Se) and PCBs for the BNS exposure refinement. Only one low-magnitude NOAEL-based HQ (1.13) for cadmium exceeded one, at the Holding Pond, of all the newly retained analytes. Thus, no changes to the conclusions of potential risk were generated for the BNS.

Section 5.8, Path Forward for Ecological Receptors

5. In the second paragraph of Section 5.8.1.4 (p. 5-8), CPCPRC indicates that the path forward for addressing avian risks due to PAHs and polychlorinated biphenyls (PCBs) in the Holding Pond will be discussed later in this section. These risks for PCBs are not subsequently addressed. Furthermore, similar risks due to high PCB detection limits were also calculated in the Effluent Channel, but are not addressed in Sections 5.8.1.4 or 5.8.2. Revise these sections to include a discussion of PCB risks. If PCBs could be present

based on process knowledge or detections in other media, then PCBs should be analyzed to achieve lower detection limits.

Response:

Comment noted. Section 5.0 of the RCR has been removed and a revised Table of Contents has been issued reflecting this removal. CPCPRC requests that EPA remove Section 5.0 from its RCR.

This comment will be considered by CPCPRC when developing the suite of chemical analyses for surface water and sediment bioassay testing in the Holding Pond and Effluent Channel. It is noted that since the complete removal of PCB-contaminated soil from the Capacitor Discovery area in 1996 and 1997, PCBs have not been found at the site (please see Section 4.0 of the site RFI Report, July 1999).

6. The last paragraph of Section 5.8.1.4 states that metals, PCBs, and organic chemicals of potential ecological concern (COPECs) in the Effluent Channel do not present any risks to avian receptors. This statement is inconsistent with information presented in Section 4.7.4, Table 4-22, and the remainder of the paragraph in which the statement appears. Revise the text to correct this inconsistency.

   Response:

   Comment noted. Section 5.0 of the RCR has been removed and a revised Table of Contents has been issued reflecting this removal. CPCPRC requests that EPA remove Section 5.0 from its RCR.

7. In Section 5.8.2, CPCPRC proposes conducting surface water and sediment bioassays, coupled with analyses for PAHs, in the Holding Pond and Effluent Channel. It would be better to include a broader suite of chemical analyses, since the correlations between observed toxicity and a wider variety of toxicants could be extremely useful. The results could in some cases eliminate the ambiguity associated with toxic media where there is no significant PAH concentration, and indicate the most likely constituent responsible for toxicity. This could then minimize the requirements for further chemical analyses and toxicity testing.

   Response:

   This comment will be considered by CPCPRC when developing the suite of chemical analyses for surface water and sediment bioassay testing in the Holding Pond and Effluent Channel.

III. References

Agency for Toxic Substances and Disease Registry (ATSDR). 2000. Draft Toxicological Report for Hexachlorobenzene, U.S. Department of Health and Human Services, Public Health Service, Agency for Toxic Substances and Disease Registration.

U.S. Army Corps of Engineers (USACE). 2003. Biota Sediment Accumulation Factor Database. http://www.wes.army.mil/el/bsaf/bsaf.html. Last Updated on April 24, 2003.

MacDonald, D.D., C.G. Ingersoll, and T.A. Berger. 2000. Development and evaluation of consensus-based sediment quality guidelines for freshwater ecosystems. *Arch. Environ. Contam. and Toxicol.* 39:20-31.

CPC Puerto Rico Core Inc.
Guayama, Puerto Rico

Final Risk Characterization Report

Prepared by:

November 2004

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Section Page

Appendices

Attachments

A complete analytical database and spreadsheets used for risk calculations are provided with this report in electronic format on compact disk (CD).

Tables

Figures

Acronyms and Abbreviations

°C	degrees Celsius
µg/m^3	microgram per cubic meter
µg/L	micrograms per liter
ABS	absorption factor
AES	AES Corporation
AF	adherence factor
AT	averaging time
AUF	area use factor
AWPI	Ayerst Wyeth Pharmaceuticals, Inc.
BAF	bioaccumulation factor
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
BW	body weight
CB-TEC	consensus-based threshold effects concentration
CD	compact disk
CDI	chronic daily intake
CMS	Corrective Measures Study
COC	chemical of concern
COPC	chemical of potential concern
COPEC	contaminants of potential ecological concern
CPCPRC	Chevron Phillips Chemical Puerto Rico Core
CSM	conceptual site model
CWA	Clean Water Act
DL	detection limit
DNA	deoxyribonucleic acid
DO	dissolved oxygen
ED	exposure duration

EF	exposure frequency
EFR	Enhanced Fluid Recovery
EI	Environmental Indicator
ELCR	excess lifetime cancer risk
EPA	U.S. Environmental Protection Agency
EPC	exposure point concentration
ERA	ecological risk assessment
ESL	Ecological Screening Level
ESV	ecological screening values
ET	Ecotox Threshold
gpm	gallons per minute
GPS	Global Positioning System
GWD	groundwater deep
GWS	groundwater shallow
ha	hand auger
HHRA	human health risk assessment
HI	hazard index
HQ	hazard quotient
HWMU	Hazardous Waste Management Unit
IR	ingestion rate; inhalation rate
IRIS	Integrated Risk Information System
IWTP	Industrial Water Treatment Plant
kg	kilogram
LNAPL	Light Non-Aqueous Phase Liquid
LOAEL	lowest observed adverse effect level
mcl	maximum contaminant level
mg/L	milligrams per liter
mg/m^3	milligram per cubic meter
MPS	Media Protection Standard
MS	matrix spike

MSD	MS duplicate
msl	mean sea level
MTBE	methyl tertiary butyl ether
MW	megawatt, molecular weight
NAWQS	National Ambient Water Quality Criteria
NCEA	National Center for Environmental Assessment
NOAEL	no observed adverse effect level
NPDES	National Pollutant Discharge Elimination System
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
PEC	probable effects concentration
PEF	particulate emission factor
ppb	parts per billion
ppm	parts per million
PPRTV	Provisional Peer Reviewed Toxicity Value
PRASA	Puerto Rico Aqueduct and Sewer Authority
PRG	preliminary remediation goal
PVC	polyvinyl chloride
QA/QC	quality assurance/quality control
RA	risk assessment
RBC	risk-based concentration
RfD	reference dose
RFI	Resource Conservation and Recovery Act (RCRA) Facility Investigation
RL	reporting limit
SB	subsurface soils
SD	sediment
SEV	screening ecotoxicity values
SF	slope factor
SS	surface soils
STSC	Superfund Health Risk Technical Service Center

SVOC	semi-volatile organic compound
SW	surface water
TEC	threshold effects concentration
TEL	Threshold Effects Level
THI	target hazard index
TM	Technical Memorandum
UCL	upper confidence limit
URF	unit risk factor
USFWS	U.S. Fish and Wildlife Service
VF	volatilization factor
VISM	Voluntary Interim Stabilization Measure
VOC	volatile organic compound
WRS	Wilcoxon Rank Sum

SECTION 1.0

Introduction

This report presents the Final Risk Characterization for the Chevron Phillips Chemical Puerto Rico Core Inc. (CPCPRC) facility.

1.1 Site History

In 1966, the facility was constructed on land previously used for sugar cane cultivation. Since that time, land use around CPCPRC has changed to include other industrial facilities to the north, west, and east and a small community, Las Mareas, to the south.

CPCPRC processed naphtha into light hydrocarbon products by fractional distillation and other processes prior to recent process modifications. Benzene, toluene, xylenes, cyclohexanes, liquid petroleum gas, and other products were produced at CPCPRC. Currently, the facility is set up to received mixed xylenes for conversion to para-xylene. Through inadvertent releases, these products have been introduced into the environment primarily through the release of liquid product to shallow groundwater.

Once in shallow groundwater, the product migrates in the subsurface generally in the direction of groundwater flow (which is primarily to the southwest and southeast). Considering this release mechanism, the primary media impacted at the facility is shallow groundwater and the soils in the subsurface that this groundwater contacts. Although release to shallow groundwater is the primary release mechanism, this report evaluates all media potentially impacted by inadvertent releases, including surface soil, sediment, surface water, subsurface soils, and air.

Once released to the environment, the product may potentially pose risk to human health and the environment onsite and in the offsite areas nearby. The objective of this report is to quantify these potential risks to human health and the environment so that informed risk management decisions can be made.

The methods, assumptions, and procedures used in this report to quantify potential risk are based on available risk assessment guidance and on U.S. Environmental Protection Agency (EPA) comments on previous drafts of the risk assessment. This *Risk Characterization Report* has been prepared pursuant to EPA Administrative Order of Consent: Index No. II RCRA-89-3013-0307 (the Order).

This document considers the results of facility investigations and refinements on drafts of risk assessments submitted by CPCPRC to EPA. The following presents a chronology of CPCPRC submittals and EPA comments relative to the data and analyses presented in this report:

- *Draft Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Report* – submitted to EPA June 1, 1994.
- EPA comments on the *Draft RFI Report* – January 27, 1995.

- *Revised RFI Report* and CPCPRC response to EPA comments on the *Draft RFI Report* – submitted to EPA May 1995.
- EPA comments on the *Revised RFI Report* – September 27, 1995.
- CPCPRC responds to comments on the *Revised RFI Report* and submits *Draft Supplemental RFI Work Plan* – submitted to EPA December 21, 1995.
- EPA provides Responsiveness Summary on the *Revised RFI Report* and *Draft Supplemental RFI Work Plan* – July 12, 1996.
- CPCPRC responds to EPA Responsiveness Summary on the *Revised RFI Report* and *Draft Supplemental RFI Work Plan* – August 15, 1996.
- EPA provides review comments on CPCPRC's August 15, 1996, responses to EPA Responsiveness Summary on the *Revised RFI Report* and *Draft Supplemental RFI W*ork *Plan* – May 29, 1997.
- CPCPRC provides additional responses to EPA regarding EPA's review comments on the *Revised RFI Report* and *Draft Supplemental RFI Work Plan* – July 28, 1997.
- EPA provides Technical Review of CPCPRC's July 28, 1997, additional responses to EPA comment on the *Revised RFI Report* and *Draft Supplemental RFI Work Plan*. The *Supplemental RFI Work Plan* is conditionally approved by EPA – April 14, 1998.
- CPCPRC submits the *Supplemental RFI Work Plan* – May 1998.
- CPCPRC submits the Supplement to the RFI – December 1998.
- EPA provides Technical Review of the Supplement to the RFI – March 29, 1999.
- CPCPRC submits Response to Comments on EPA's Technical Review of the Supplement to the RFI – May 11, 1999.
- EPA requests that the information presented in the Supplement to the RFI be compiled with previous RFI information into a *Final RFI Report* – June 1999.
- CPCPRC submits the *Final RFI Report* – July 1999.
- EPA provides Technical Review of the *Final RFI Report* and conditionally approves *Final RFI Report* – September 1999.
- CPCPRC submits the *Draft Corrective Measures Study (CMS) Work Plan* – October 1999.
- EPA provides Technical Review Comments on the *Draft CMS Work Plan* – December 1999.
- CPCPRC and EPA meet to refine risk assessment methods and issues – January 2000.
- CPCPRC provides RFI/CMS information pursuant to the January 2000 meeting – February 18, 2000.
- EPA provides Technical Review of *Draft CMS Work Plan* and RFI/CMS information pursuant to the January 2000 meeting – July 6, 2000.

- CPCPRC submits the *Revised CMS Work Plan* – September 2000.
- EPA provides comments on the *Revised CMS Work Plan* – December 2000.
- CPCPRC provides responses to EPA comments on the *Revised CMS Work Plan* – February 8, 2001.
- EPA Technical Review of CPCPRC's February 8, 2001, Response to Comments whereby it was agreed that *Risk Characterization Report* would be finalized and the results agreed to prior to reissuing a *Final CMS Work Plan* – March 13, 2001.
- CPCPRC submits the *Draft Risk Characterization Report* – July 2001.
- EPA Technical Review of CPCPRC's July 2001 *Draft Risk Characterization Report* – August 2001.
- CPCPRC provides responses to EPA comments on the *Draft Risk Characterization Report* – October 2001.
- EPA provides a Responsiveness Summary relative to CPCPRC's October 2001 Responses to Comments – December 2001. Further field investigation to support determination of groundwater plume stability is discussed.
- CPCPRC provides teleconference meeting minutes and further responses to EPA comments – January 15, 2002.
- EPA provides Technical Review of CPCPRC's January 15, 2001, submittal – February 2, 2002.
- CPCPRC installs 13 new monitoring wells (11 upper alluvial and two lower alluvial) at specific locations identified during the January-February 2002 comments/responses. Wells are installed in Las Mareas, between the site and the Caribbean, and in other targeted offsite areas – April 2002.
- CPCPRC provides a "Teleconference Discussion Guide" for a July 11, 2004, call to update EPA on the preliminary results of the field events – June 27, 2002.
- After the July 11, 2002 call, the focus of the project was related to determining benzene, toluene, ethylbenzene, and total xylenes (BTEX) plume stability. EPA requested that CPCPRC develop a full reporting of the BTEX data in order to understand whether the BTEX plumes are expanding, contracting, or stable. In May 2003, CPCPRC submitted the *CMS-Related Investigations Report* that presented detailed analysis of BTEX migration and fate.
- EPA determined that the BTEX plumes are stable and posted the determination (the Groundwater Environmental Indicator [EI]) on the EPA Web site – October 2003.

As indicated by this list, significant field investigation and refinement of the site conceptual model have taken place. Throughout this document, there is reference to refinement related to this work.

1.2 Report Organization

The content and organization of this report is as follows:

Section 2.0 – presents a summary of the data-gathering activities performed at CPCPRC, describes the data used for risk assessment, and summarizes analytical results and findings by media. BTEX fate and transport in groundwater is also discussed.

Section 3.0 – provides the human health risk assessment (HHRA) for the CPCPRC facility.

Section 4.0 – provides the ecological risk assessment (ERA) for the CPCPRC facility.

Section 5.0 – presents the Media Protection Standards (MPSs) developed based on the results of the risk assessments presented in Sections 3.0 and 4.0.

Appendix A – presents a statistical analysis of metals in surface soils.

Appendix B – contains presentation of the extent of benzene in groundwater.

Appendix C – includes information in support of the HHRA presented in Section 3.0.

Appendix D – includes information in support of the ERA presented in Section 4.0.

Due to the large size of data tables and risk calculation spreadsheets, CPCPRC has included much of the information on CD in either Excel or Access format. This approach reduces the volume of paper and also should facilitate easier review.

SECTION 2.0

Data Summary

2.1 Data Collection Activities

This section briefly describes activities performed by CPCPRC during the RFI and data collection activities following submittal of the *RFI Report* in July 1999. The data used for risk assessment are described and summary analytical results and findings from these data collection efforts are presented. The complete analytical database is provided with this report in electronic format on a compact disk (CD).

2.1.1 RFI Data Collection Activities

The following is a brief summary of the required and voluntary data collection activities performed at CPCPRC during the RFI. More detailed data collection information can be found in the *RFI Report* (July 1999) and in the *CMS-Related Investigation Report* (May 2003). The RFI data collection activities are grouped as follows:

1. Data collection specified in the approved RFI Work Plan and addenda. These activities included source characterization, air emissions evaluation, and receptor identification. Work completed included the collection of groundwater, surface soil (0 to 2 feet below ground surface [bgs]), subsurface soil, sediment, and surface water samples.

2. Data collection specified in the approved Supplemental RFI Work Plan (May 1998) designed to address data gaps identified from analysis of RFI data. Activities included an investigation in the Mangrove area south of the facility as well as sampling to confirm previous results, evaluation of natural attenuation mechanisms, evaluation of background levels in surface soils, and evaluation of tidal influences on groundwater.

3. Data collection as part of the first semiannual groundwater monitoring event (June 1998) also specified in the approved Supplemental RFI Work Plan (May 1998). Groundwater samples from select wells were collected to further define the extent of hydrocarbon plumes and analyze mechanisms responsible for attenuation of constituents from the source area.

4. Data collection during voluntary efforts by CPCPRC to further delineate the extent of the groundwater plumes and refine the understanding of the hydrogeologic system beneath the facility. Voluntary efforts included Geoprobe™ investigations in 1996 (GP-1 through GP-115), 1997 (GP-116 through GP-232), and 1998 (GP-233 through GP-319).

2.1.2 Summary of Collection Activities Since the RFI

The work performed at the site since July 1999 includes:

- September and December 1999 voluntary Geoprobe™ investigations (GP-320 through GP-392).

- January-February 2001 investigation in targeted offsite areas.
- October 2001 resampling of sediment at location SD-002 in the Effluent Channel.
- October 2001 sampling of surface water and sediment in the Holding Pond.
- March 2002 Geoprobe™ investigation and completion of 13 new monitoring wells.
- Semiannual monitoring events for June and December 1998, June and December 1999, June and December 2000, June and December 2001, June and December 2002, and June and December 2003.

2.1.3 September and December 1999 Investigations

CPCPRC performed voluntary Geoprobe™ investigations in September and December 1999. The purpose of these voluntary investigations was to better understand the lithology and extent of groundwater contamination in the upper alluvial aquifer in offsite areas. During these two field events, a total of 73 Geoprobe™ borings were installed (GP-320 through GP-392). Samples for BTEX in groundwater were collected from temporary well points installed in the Geoprobe™ borings. The locations of these borings are shown on Plates 1 through 3 (Appendix B).

2.1.4 January-February 2001 Investigation

During January-February 2001, CPCPRC performed data-gathering activities related to characterizing human health and ecological exposure pathways. The specific objectives of this data-gathering event were as follows:

- Determine whether contaminated upper alluvial groundwater discharges at the surface in the AES area (former West Cane Field).
- Verify the downgradient extent of the groundwater plume in the upper alluvial aquifer in the AES area and determine if the plume intercepts the Effluent Channel west of CPCPRC.
- Refine the understanding of the extent of facility-related contamination (if any) in the lower alluvial aquifer in the AES area.
- Refine the understanding of the extent of facility-related contamination along the Puerto Rico Aqueduct and Sewer Authority (PRASA) pipeline east of the facility.

During this field event, the following activities were performed. The locations of these data collection points are shown on Plate 4.

- Twenty-five Geoprobe™ borings were installed (GP-393 through GP-417). Surface soil, subsurface soil, and groundwater samples were collected from temporary well points at these locations.
- Twenty sediment samples were collected using hand augers (indicated with the "HA" designation on Plate 4); two samples were collected at each of the 10 locations).
- Two upper alluvial monitoring wells were installed (MW-160 and MW-166).
- One lower alluvial monitoring well was installed (MW-161D).

- Two surface water samples were collected (AES-SW-1 and Effluent Channel AES).
- MW-143 – the stainless steel screen and casing for this well was removed and replaced with polyvinyl chloride (PVC) screen and casing. As suspected, the stainless steel was corroded and considered responsible for anomalous levels of metals in groundwater (chromium, nickel, and zinc, in particular) at this location.

2.1.5 October 2001 Resampling at SD-002

During risk assessment work performed in June 2001, it was found that historical (1991) sediment data from this one location in the Effluent Channel were responsible for numerous exceedances of ecological screening values. Considering that the historical chemical data likely did not represent current chemical conditions in the channel, it was determined that this location would be resampled.

In October 2001, field crews used a combination of Global Positioning System (GPS) and field landmarks to relocate the original SD-002 sediment sample. Four sediment samples were collected: one sample from the original location and one sample each from 10 feet to the south, 10 feet to the east, and 10 feet to the west of the original location. Ten feet to the north of the original sample is actually outside the channel, so no sample was collected to the north. The sediment sample location is shown on Plate 4. These new data replace the historical data for this location in the evaluation of risk from sediment.

2.1.6 October 2001 Holding Pond Sampling

During the comment/response activities, CPCPRC disagreed with EPA that the Holding Pond, which is an active part of the permitted wastewater treatment train, should be subject to an ecological risk assessment. However, to make progress towards the CMS, CPCPRC did collect sediment and surface water data from the unit in October 2001.

In October 2001, six sediment samples and three surface water samples were collected from the Holding Pond (Plate 4). These data will be used in the evaluation of risk from sediment and surface water.

2.1.7 March 2002 Well Installation

During March 2002, a total of 13 wells were installed in locations specifically to monitor the following:

- Upper alluvial groundwater quality in the offsite area to the east (MW-40), south (MW-42), and north (MW-41) of the plume along the southeastern perimeter of the site as well as onsite south (MW-43 and MW-47) of the southeastern plume.
- Lower alluvial groundwater quality south of the site near the Caribbean Sea (MW-45D).
- Upper alluvial groundwater quality in the PRASA pipeline envelope south of the site (MW-44).
- Lower alluvial groundwater quality due south of the site (MW-46D).
- Upper alluvial groundwater quality along the perimeter of the plume that had been mapped west of the site (MW-48, MW-49, MW-50, MW-51, and MW-52).

The locations of these data collection points are shown on Plate 4.

2.1.8 Semiannual Monitoring Events

CPCPRC has performed 6 years of monitoring on a semiannual basis (i.e., since June 1998). During these 12 events (June and December of each year through December 2003), the chemical quality of upper and lower alluvial groundwater, Effluent Channel sediments, and Effluent Channel surface water were evaluated. The locations where semiannual monitoring has been performed are shown on Figure 2-1 (under development).

2.2 Risk Assessment Data

A large data set has been compiled through the various investigations that have been performed. Approximately 370 chemicals have been analyzed from about 450 samples for seven media. From this large dataset, only a few data points have been excluded from the risk assessment.

Table 2-1, below, summarizes the data excluded from risk assessment.

TABLE 2-1
Data Excluded from Risk Assessment

Location	Collection Date	Rationale for Exclusion
MW-143	August 1992 through December 2001	Metals data for groundwater for this time period were excluded from risk assessment since it was found that the stainless steel screen and casing were heavily corroded. The data for organic constituents were retained for this period. The stainless steel screen and casing were replaced with PVC screen and casing in January 2001 and all groundwater data from this well after January 2001 are included in the risk assessment.
SB-110	June 1991	The June 1991 volatile organic data for subsurface soil for this location were excluded from risk assessment. The June 1991 data indicated that chlorinated organic compounds may be present in subsurface soil at this location. However, there was some doubt that these results were valid since a small quantity of solvent was reported spilled during the field event. This location was resampled in June 1998 and the absence of chlorinated organics was confirmed. The June 1998 subsurface soil data are included in the risk assessment.
SD-002	June 1991	The June 1991 sediment data are excluded from risk assessment. The sediment at this location was resampled in October 2001 and the October 2001 data for this location are included in the risk assessment.
SD-012 SD-013 SD-014 SD-015 SD-018 SD-019	June 1991	The June 1991 sediment data are excluded from risk assessment. These data represent historic sediment data from the Holding Pond. Sediment in the Holding Pond was resampled in October 2001, and the October 2001 data for this location are included in the risk assessment.
SW-SE	April 1994	This location was reported as an Effluent Channel sediment sample. However, coordinates placed it in a field south of the facility. Considering that there are abundant sediment data from the Effluent Channel (collected semiannually since June 1998) and the ambiguity of the actual location, this sample has been excluded from risk assessment.

TABLE 2-1
Data Excluded from Risk Assessment

Location	Collection Date	Rationale for Exclusion
SD-OX-01 SD-OX-02 SD-OX-03	May 1994	These samples represent samples for closure of the Oxidation Pond and were not part of RFI work. Additionally, sample coordinates are unreliable and it is uncertain where these samples actually were. Closure planning for this former Hazardous Waste Management Unit (HWMU) will include sampling from a regularly spaced grid (i.e., similar to Ballast Water Basin closure procedures[a]). The samples from the grid will be used to assess any risk from this HWMU.
SD-OFF-01 SD-OFF-02 SD-OFF-03	May 1994	These samples represent samples for closure of the Off-Spec Pond and were not part of RFI work. Additionally, the samples were collected from sediment from the pond that was removed and disposed of. Closure planning for this former HWMU will include sampling from a regularly spaced grid (i.e., similar to Ballast Water Basin closure procedures[a]). The samples from the grid will be used to assess any risk from this HWMU.
Geoprobe™	Various	With the exception of the January-February 2001 Geoprobe™ investigation, the multiple Geoprobe™ investigations included collection of BTEX in groundwater from temporary well points. The BTEX data for groundwater were used to help define the extent of the groundwater plumes and were not validated as risk assessment data. Thus, with the exception of the January-February 2001 Geoprobe™ investigation, the BTEX in groundwater data from the Geoprobes™ are not included in the risk assessment. The data from the January-February 2001 Geoprobe™ investigation are validated data included in the risk assessment.

Notes:

[a]Closure Plan for the Ballast Water Basins, March 2004 as revised June 2004 and approved July 20, 2004.

2.3 Analytical Results and Summary Findings

The results of the RFI work and subsequent data collection activities demonstrated that the primary facility-related contamination is from petroleum hydrocarbons (BTEX and naphthalene, in particular) in upper and lower alluvial groundwater. CPCPRC has performed extensive investigations to define the limits of this groundwater contamination. Considering that groundwater is the primary medium impacted, CPCPRC discusses groundwater results first, followed by the results for the other investigated media.

The data summary is presented in tabular format and includes some descriptive statistics such as the total number of observations, number of detections, detection frequency, maximum detected value, and minimum detected value. The complete analytical database is provided in electronic format on the compact disk (CD) included with this report.

2.3.1 Upper Alluvial Groundwater

Table 2-2 presents a summary of chemicals that were detected in upper alluvial groundwater (sample type – GWS). The data summarized include data collected during the 12 semiannual sampling events (i.e., June 1998 through December 2003), during the January-February 2001 event, and during the March 2002 well installation event. General chemistry constituents (e.g., potassium, sodium, sulfate, etc.) are not included in the table.

The following summarize the information in Table 2-2:

- A total of 23 volatile organic compounds (VOCs) were detected in the upper alluvial groundwater. BTEX constituents, methane, and methyl tertiary butyl ether (MTBE) were the most frequently detected VOCs. Maximum detected BTEX constituents, methane, and acetone levels are highest for upper alluvial groundwater samples. Maximum detected benzene levels are orders of magnitude higher than the maximum detected concentrations of the other VOCs.
- A total of 32 semi-volatile organic compounds (SVOCs) were detected in upper alluvial groundwater with bis(2-ethylhexyl) phthalate, naphthalene, and phenol/phenolics being the most frequently detected. Other less frequently detected SVOCs include 4-methylphenol, IH-indene, 2-methylnaphthalene, and fluorene. The remaining constituents, comprising the majority of SVOCs found, are infrequently detected (< 5%) in upper alluvial groundwater.
- A total of 19 metals were detected in upper alluvial groundwater in either the total and/or dissolved fractions. Barium, iron, magnesium, manganese, and zinc were most frequently detected (> 50%). Metals concentrations summarized here are found to be similar to historical levels reported in the *RFI Report*, dated July 1999.
- Detection of polychlorinated biphenyl (PCBs) in upper alluvial groundwater was limited to one sample for which a low level of Aroclor-1242 was found. This detection was at MW-144 in 1992. This well is located in the southwestern portion of the site near the capacitor discovery area (*RFI Report*, July 1999). PCB-contaminated soil removal was completed in 1997 in this area and PCBs have not been found in groundwater since 1992. One herbicide, 2,4-D, was detected in 1992 in three samples at low values.

2.3.2 Lower Alluvial Groundwater

Table 2-3 presents a summary of chemicals that were detected in lower alluvial groundwater (sample type – GWD) during the 12 semiannual sampling events, during the January-February 2001 event, and during the March 2002 well installation event. General chemistry constituents are not included in the table (see attached CD for complete database).

The following summarize the information in Table 2-3:

- A total of 18 VOCs have been detected in lower alluvial groundwater. Benzene, methane, and MTBE were the most frequently detected chemicals (> 20%). Maximum detected benzene, methane, and total xylene levels in this aquifer are at least an order of magnitude higher than the maximum detected concentrations of the other VOCs.
- Ten SVOCs were detected in lower alluvial groundwater with bis(2-ethylhexyl) phthalate and phenol being the most frequently detected. All other detected SVOCs were detected less than 5 percent of the time.
- A total of 19 metals were detected in lower alluvial groundwater in either the total and/or dissolved fractions. Barium, iron, magnesium, manganese, and zinc were the most frequently detected metals in this aquifer (> 50%). Arsenic, copper, vanadium, and zinc were detected less frequently (10 to 20 percent). Remaining metals were

infrequently detected (< 10%). Metals concentrations summarized here are found to be similar to historical levels reported in the *RFI Report*, dated July 1999.

2.3.3 Surface Soils

Table 2-4 presents a summary of chemicals that were detected in surface soil (sample type – SS) during the RFI, the Supplemental RFI, and the January-February 2001 event. Surface soil samples were collected during the RFI to define the extent of surface soil contamination. The data collected during the Supplemental RFI and the January-February 2001 events were specifically to verify RFI results and determine whether contaminated upper alluvial groundwater discharged at the surface and impacted surface soils in offsite areas. Surface soil samples were not collected during the other data-collection events.

Included in this summary is a breakdown of the results by area. The AES area is directly west of the facility, Las Mareas is to the south, the PRASA area is directly east of the facility, the West area is along the road that is offsite to the west but not part of AES's facility, and the Beach area is south of the facility near the Caribbean Sea. Detected general chemistry constituents are not included in the table (see attached CD for complete database).

It is important to note that the surface material in the AES area and along the west road (West area) consists of fill material that was placed in late 1999 and early 2000 by AES as part of the construction of its 454-megawatt (MW) coal-fired power plant.

The following summarize the information in Table 2-4:

- A total of 10 VOCs were detected in surface soils. With the exception of the BTEX constituents onsite and acetone in the West area and PRASA area, the detections are low estimated values (i.e., less than the sample quantitation limits or "J" qualified). Benzene was detected at one location in the Las Mareas area at a low estimated value and in five samples onsite. Toluene was detected offsite in the AES, Beach, Las Mareas, PRASA, and West areas at low estimated concentrations. The highest maximum detected concentration of VOCs in surface soils was ethylbenzene found in one sample onsite. No ethylbenzene was detected offsite. Low levels of chlorinated VOCs were found in the AES, Beach, Las Mareas, PRASA, and West areas offsite. No chlorinated VOCs were detected onsite.

- A total of 10 SVOCs were detected in surface soils. Bis(2-ethylhexyl) phthalate was the only SVOC found in surface soils offsite. This detection was in the AES area, where the soil is fill material. Bis(2-ethylhexyl)phthalate is a common laboratory contaminant and its reported concentration is in line with the levels observed in the laboratory blanks. The concentration of bis(2-ethylhexyl) phthalate offsite is at least one order of magnitude lower than the concentration of SVOCs detected onsite.

- A total of 18 metals were detected in surface soils, including antimony, arsenic, barium, cadmium, chromium, chromium (VI), cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, selenium, silver, vanadium, and zinc. Metals were detected both onsite and offsite. Statistical comparison of metals in soils to background metals concentrations found that constituents which demonstrated statistically significant differences in offsite areas over background include chromium and manganese in the West area, copper in the AES area, and vanadium in both West and AES areas (refer to

Appendix A). These statistically significant differences are limited to areas where fill has been placed; therefore, it has been concluded that facility operations have not impacted offsite soils.

2.3.4 Subsurface Soils

Table 2-5 presents a summary of chemicals that were detected in subsurface soil (sample type – SB) during the RFI, the Supplemental RFI, and the January-February 2001 event. Subsurface soil samples were collected during the RFI to define the extent of subsurface soil contamination. The data collected during the Supplemental RFI and the January-February 2001 events were specifically to verify RFI results. Subsurface soil samples were not collected during the other data collection events. Included in this summary is a breakdown of the results by area. The eight offsite areas included the AES, Beach, Boundary-east, East, Las Mareas, PRASA, South, and West areas. Detected general chemistry constituents are not included in the table (see attached CD for complete database).

The following summarize the information in Table 2-5:

- A total of 13 VOCs were detected in subsurface soils. Benzene was detected onsite and in the AES, Beach, Boundary-east, Las Mareas, and PRASA areas. The elevated levels of benzene in the AES and PRASA areas are in locations where groundwater plumes have been mapped. Ethylbenzene and xylene were detected along the PRASA pipeline where the groundwater plume has been mapped. Toluene was detected along the PRASA pipeline and in the AES area, also in areas where groundwater plumes have been mapped. Chlorinated VOCs were detected onsite and offsite in the AES, Las Mareas, PRASA, and West areas. Only one sample in the Beach area was found to contain chlorinated VOCs. Of these areas, chlorinated VOCs were most infrequently detected onsite.

- A total of 12 SVOCs were detected in subsurface soils. The majority of SVOCs were detected onsite. Bis(2-ethylhexyl) phthalate was the most frequently detected SVOC. No SVOCs were detected in subsurface soils in the Beach, Boundary-east, Las Mareas, or PRASA areas. In the AES area, the SVOCs were detected at locations where groundwater plumes have been mapped. In the East and West areas, only bis(2-ethylhexyl) phthalate was detected.

- Dalapon was limited to one sample collected in 1991. This and other herbicides have not been found in any other soil sample.

- A total of 20 metals were detected in subsurface soils, including aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, chromium (VI), cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, selenium, silver, vanadium, and zinc. Metals concentrations summarized here are found to be similar to historical levels reported in the *RFI Report*, dated July 1999.

2.3.5 Surface Water

During the semiannual sampling events, surface water samples were collected from the Effluent Channel and from three conveyance ditches flowing into the Effluent Channel. When surface water was present in these conveyances, the sampling teams collected

samples for BTEX, methane, and MTBE analysis. The three conveyances include a stormwater conveyance ditch that flows into the channel at the east end (sample location Ditch-1, Plate 4), the National Pollutant Discharge Elimination System (NPDES) discharge point located about mid-channel (Ditch-2, Plate 4), and a stormwater conveyance ditch that flows into the channel at the west (downstream) end of the channel (Ditch-3, Plate 4).

Table 2-6 presents a summary of chemicals that were detected in surface water (sample type – SW) during the 12 semiannual sampling events, the January-February 2001 event, and the October 2001 Holding Pond sampling event. Detected general chemistry constituents are not included in the table (see attached CD for complete database). Included in this summary is a breakdown of the results by area including the Holding Pond, the small stormwater ditch on AES, the conveyance ditches described above, and the Effluent Channel.

The following summarizes the information in Table 2-6:

- A total of 12 VOCs were detected in surface water samples. Benzene has been found sporadically in surface water samples in the Effluent Channel and conveyance ditches. The maximum benzene value in the Effluent Channel (370 micrograms per liter [μg/L]) was from a 1991 sample. The maximum benzene value in the ditches (160 μg/L) was from a December 2000 sample. BTEX constituents were not found in the Holding Pond or in the AES area. Chlorinated VOCs, including bromodichloromethane and chloroform, were detected in the Effluent Channel only. Methylene chloride was found in the Holding Pond and Effluent Channel. Methane and MTBE have also been found in the conveyance ditches and the Effluent Channel.

- Four SVOCs were detected in surface water samples. In the Effluent Channel, 4-methylphenol, bis(2-ethylhexyl) phthalate, butylbenzyl phthlate, and di-n-butylphthalate were found at low levels. Bis(2-ethylhexyl) phthalate was also found at a low level in the Holding Pond. No SVOCs were found in the surface water samples collected from the AES area.

- A total of 16 metals were detected in the totals fraction in surface water samples, including arsenic, barium, beryllium, chromium, chromium (VI), cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, selenium, vanadium, and zinc. The detection of beryllium was limited to one sample in the Effluent Channel. The detection of selenium was limited to two samples in the Effluent Channel, while the detection of chromium (VI) was limited to one sample from the Holding Pond and one sample from the Effluent Channel.

- A total of 12 dissolved metals were detected in surface water, including barium, chromium, cobalt, iron, lead, magnesium, manganese, mercury, nickel, selenium, vanadium, and zinc. All 12 metals were detected in the Effluent Channel. Four dissolved metals, including barium, magnesium, vanadium and zinc, were detected in the Holding Pond.

2.3.6 Sediment

Table 2-7 presents a summary of chemicals that were detected in sediment (sample type – SD) during the 12 semiannual sampling events, during the January-February 2001 event, during the October 2001 Holding Pond sampling event, and at the October 2001 resampling

of SD-002. Detected general chemistry constituents are not included in the table (see attached CD for complete database). Included in this summary, is a breakdown of the results by area including onsite, the Effluent Channel, AES, and the Holding Pond.

The following conclusions can be drawn from Table 2-7:

- A total of 16 VOCs were detected in sediment samples. Benzene was detected onsite in three samples and in the Effluent Channel in six samples. The maximum benzene values for both onsite and the Effluent Channel were from 1991 samples. The low-level estimated value for benzene in the AES area was from one sample (HA-04) from the 0 to 6-inch sample interval. Benzene was not detected in the sample interval below (6 inches to 2 feet) at this location. Chlorinated VOCs were detected at low levels onsite and sporadically detected in the Effluent Channel. Chlorinated organics were also found at low estimated levels in the AES area.
- A total of 19 SVOCs were detected in sediment samples. The detected SVOCs were primarily polynuclear aromatic hydrocarbons (PAHs). The highest values of SVOCs were typically detected onsite. Generally, lower concentrations were found offsite in the Effluent Channel and Holding Pond. No SVOCs were found in the sediment samples collected from the AES area.
- A total of 18 metals were detected in sediment samples, including antimony, arsenic, barium, beryllium, cadmium, chromium, chromium (VI), cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, selenium, vanadium, and zinc. Metals concentrations summarized here are found to be similar to historical levels reported in the *RFI Report*, dated July 1999.
- A total of two PCBs were detected in sediment samples in the Effluent Channel, including Aroclor-1248 and Aroclor-1260. The PCBs were detected in 1994 samples and have not been found in sediments since that time.

2.3.7 Summary of Findings

The following presents a brief interpretation of the analytical results for each medium summarized above.

Groundwater

In both upper and lower alluvial groundwater, maximum detections of benzene, the other BTEX constituents, methane (a byproduct of biodegradation), and MTBE were significantly higher than the maximum detections of the other VOCs. Acetone levels were also high in the upper alluvial groundwater samples.

Significant work has been performed to evaluate the ultimate fate of BTEX constituents in groundwater at the site. The results of this work are presented in CPCPRC's *CMS-Related Investigations Report*, dated May 2003. These results were used to support EPA's RCRA Groundwater Environmental Indicator (the Groundwater EI) determination for the site. Summary presentation of the BTEX fate and transport information is provided later in this section.

Regarding the other detected constituents in groundwater, it was found that the majority of SVOCs were infrequently detected in both aquifers, with bis(2-ethylhexyl) phthalate, naphthalene, and phenol/phenolics most commonly found. The list of metals that were detected is consistent with previous detections (*RFI Report*, July 1999) with the addition of iron and silver. One PCB and one herbicide were detected in upper alluvial groundwater samples. The PCB and herbicide were each detected at low levels in 1992 samples and these constituents have not been detected since that time.

Surface Soils

A low-level detection of benzene was identified at only one sample location offsite in the Las Mareas area (GP-413). This location is near the edge of the pavement along the road in Las Mareas (Plate 4). In subsurface soils and groundwater at this location, benzene was not detected. Because VOCs by their physical nature are least likely to persist in the surface soil as compared to the subsurface soil or groundwater, this single benzene value offsite is questionable. Toluene was detected at low levels at several locations offsite. Ethylbenzene and xylenes were found only onsite. The results of this investigation demonstrated that groundwater is not discharging to the surface or volatilizing through the subsurface. No chlorinated VOCs were found onsite. SVOCs were detected primarily onsite with the exception of one sample in the AES area.

The list of metals found in surface soil is consistent with previous detections (*RFI Report*, July 1999) with the exclusion of beryllium and the addition of antimony and iron. Regarding the metals detected in surface soils, CPCPRC performed a detailed statistical evaluation of metals using site-specific background surface soil data. This evaluation was intended to assess whether the metals levels in surface soils in the offsite areas around the site are naturally occurring or a result of facility operations.

The results of the statistical analysis indicated that statistically significant differences over background only occurred in the areas where fill has been placed, including:

- West area – chromium, manganese, and vanadium.
- AES area – copper and vanadium.

The results demonstrate that the metals in surface soils in offsite areas are not facility-related.

The complete statistical analysis was provided previously to EPA in the October 12, 2001, Response to Comments and discussed with EPA. The statistical analysis has been resubmitted as Appendix A of this report.

Subsurface Soils

Maximum detections of BTEX constituents were significantly higher than the maximum detections of the other VOCs. The elevated BTEX levels were found in areas of known groundwater contamination. Detailed discussion of where BTEX contamination is found in groundwater is presented later in this section. SVOCs were infrequently detected in subsurface soils and were primarily identified onsite.

With the exception of aluminum and iron, the list of metals detected in subsurface soils is consistent with the metals previously found in subsurface soils (Section 5.0, *RFI Report*,

July 1999). Aluminum and iron had not been identified in the *RFI Report* but were found in the recently collected subsurface soil samples. One sample collected onsite in 1991 was shown to contain low levels of the herbicide dalapon.

Surface Water

Except for some sporadic detects, BTEX constituents were not typically found in the Effluent Channel. BTEX was not found in the Holding Pond or in surface water on the AES property. Chlorinated VOCs were detected in the Effluent Channel only. Methane and MTBE were identified at low levels in the conveyance ditches and the Effluent Channel. SVOCs, meanwhile, were found in low levels in the Effluent Channel and the Holding Pond.

Chromium (VI), a likely risk driver, was found in one surface water sample from the Holding Pond and one sample from the Effluent Channel. Chromium (VI), however, was not found in surface water in the AES area.

It should be noted that surface water samples have been analyzed for PCBs during the semiannual events, but PCBs have never been detected in these sampling events.

Sediment

Benzene was detected at low levels in one sample in the AES area and in several samples onsite and in the Effluent Channel. Other BTEX constituents were limited to the onsite area with the exception of some low-level detects offsite.

Twelve rounds of semiannual data plus the resampling of SD-002 indicate that PAHs were detected in the channel 11 percent of the time or less. PAHs were found in the Holding Pond sediments and onsite. No SVOCs were found in the AES area sediments.

Two PCBs, including Aroclor-1248 and Aroclor-1260, were detected in the Effluent Channel sediments. The PCBs were detected in 1994 samples and no PCBs have been found in sediments since that time.

Chromium (VI) was found onsite, in the Effluent Channel and the Holding Pond. This constituent was not found in the AES area sediments. The list of metals detected in sediment samples is consistent with the metals previously found (*RFI Report*, July 1999), with the addition of iron during the most recent sampling.

2.4 BTEX Extent and Fate

This subsection summarizes the site conceptual model of hydrogeology influencing plume migration, the extent of BTEX contamination based on the data collected, and a brief analysis of the fate and transport of BTEX constituents. Consistent with previous reports, benzene was selected to represent BTEX contamination at the site. This is because benzene is the most mobile of the BTEX constituents and is likely to be the primary risk driver. For complete analysis of BTEX fate and transport, the reader is referred to CPCPRC's *CMS-Related Investigations Report*, dated March 2003.

2.4.1 Hydrogeology

The following is a brief overview of the hydrogeological site conceptual model:

- The base of the aquifer system in the vicinity of the site is identified as andesite bedrock and is typically found at about 80 feet bgs.
- Above the bedrock is the lower alluvial aquifer. The lower alluvial aquifer is present beneath the entire facility and the top of the unit is typically observed at about 25 feet bgs. The aquifer materials consist primarily of fine-to-medium sand with some gravel. Groundwater flow in this aquifer is generally to the south. Ultimately, groundwater in this aquifer discharges to the Caribbean Sea.
- Above the lower alluvial aquifer, a clay layer is typically found, which forms a discontinuous aquitard between the lower and upper alluvial aquifers.
- The upper alluvial aquifer was deposited in an alluvial fan/transitional marine environment. The aquifer materials consist of widely varying combinations of silt, sand, and gravel. Groundwater flow in this aquifer is to the east, south, and west with lithology (i.e., the orientation of the sand deposits) exerting the primary control on groundwater flow. Based on RFI findings (July 1999), a small volume (about 2 to 4 gallons per minute [gpm]) of groundwater discharges to the Effluent Channel south of the site. Ultimately, groundwater in this aquifer discharges to the Caribbean Sea.

2.4.2 BTEX Extent

Upper Alluvial Groundwater

Plates 1, 2, and 3 present the extent of groundwater contamination in each of the three offsite plumes as of December 1999. The plots show where CPCPRC collected data to define these plumes. Plate 5 presents the current limits of groundwater contamination based on data collected in offsite areas since December 1999, including data collected during the January-February 2001 event and during the most recent semiannual monitoring event in December 2003.

Some specific observations developed from examination of benzene extent (Plates 1 through 3 and Plate 5) are listed below:

- Monitoring wells along the western boundary (MW-104, MW-1R, and MW-158) show decreasing benzene levels from December 1999 (Plate 1) to December 2003 (Plate 5). At MW-28, the benzene levels are consistently elevated and although the December 2003 value is higher than the December 1999 level, it is below the historical high for this well of 899 mg/L measured in June 2002.
- In the West area, groundwater quality data collected between the southern edge of this plume and the Effluent Channel demonstrate that this plume does not intersect the Effluent Channel (Plate 1 and Plate 5).
- At wells MW-18, MW-24, MW-25, and MW-17R along the southeastern perimeter, benzene levels have decreased significantly between December 1999 and December 2003 (see Plates 2 and 5).

- Wells in the offsite area east of the southeast perimeter plume indicate that low level detections of benzene are found in both December 1999 and December 2003 (see Plates 2 and 5). Historically, wells in this are have either demonstrated fluctuation between low-level detections and nondetections.
- Monitoring wells MW-5R, MW-7R and MW-16 along the southeast corner show a decrease in benzene levels between December 1999 (see Plates 3 and 5) and December 2003.
- Wells in the offsite area east and southeast of the southeast corner plume indicate that low level detections of benzene are found in both December 1999 and December 2003 (see Plates 3 and 5). Historically, wells in this area have either demonstrated fluctuation between low-level detections and nondetections (e.g., MW-120).
- In the southeast corner, groundwater quality data collected within and along the PRASA pipeline envelope indicate that the plume in this area does not migrate along the pipeline envelope south of the 1-mg/L plume contour in this area (Plates 3 and 5).

In summary, benzene levels were observed to decrease significantly in most upper alluvial wells between December 1999 and December 2003. Additionally, benzene levels are either below detection (less then 0.001 mg/L) or at low detected values in wells located immediately outside the areas of groundwater contamination (Plate 5). Further, groundwater quality data demonstrate that the plume in the West area does not intercept the Effluent Channel, and the PRASA pipeline envelope is not impacted south of the 1-mg/L plume contour in this area (Plate 5).

Figure 2-2 provides a comprehensive view of benzene extent in the upper alluvial aquifer for both the onsite and offsite areas. The contours of benzene onsite are based on historical data from onsite wells. The historical benzene value as well as the date of the benzene measurement is shown on Figure 2-2. The contours of benzene offsite are based on the data presented in Plates 1 through 3 and Plate 5.

Lower Alluvial Groundwater

Figure 2-3 presents the December 1999 benzene levels in the lower alluvial aquifer. The latest (December 2003) benzene levels are shown on Figure 2-4. Since the lower alluvial aquifer is underlain by andesite bedrock, contamination in the lower alluvial aquifer defines the vertical extent of groundwater contamination at the site.

Examination of the figures shows that, in most cases, benzene levels declined significantly in the lower alluvial aquifer between December 1999 and December 2003. This finding demonstrates that the groundwater contamination in the lower alluvial aquifer is decreasing significantly. At MW-30D, the benzene levels in 1999 are the same as those found in 2003. At DMW-1, benzene was below detection in December 1999 and found at a low estimated level in December 2003. However, benzene at this location is well below the historical high of 0.05 mg/L measured in 1994.

The groundwater quality data demonstrate that benzene is only found in isolated areas of the lower alluvial aquifer. Benzene is not found between the site and the Caribbean Sea

(DMW-3 and MW-45D), benzene is not found south of the AES area (MW-133D and MW-161D), or in the Las Mareas area (DMW-2).

2.4.3 Summary of Findings – BTEX Extent

CPCPRC believes that the stability of the plumes, the decline in benzene levels in most areas of the upper alluvial aquifer, and the decline in benzene levels in all areas of the lower alluvial aquifer since December 1999 are a result of the following:

- Continued focus on tank testing and repair, resulting in a significant reduction in the release of petroleum hydrocarbons.
- Recovery of significant mass of released petroleum hydrocarbons through operation of the Enhanced Fluid Recovery (EFR) system and the Voluntary Interim Stabilization Measure (VISM) trench.
- Significant reduction in the volume of product stored in the Tank Basins since the facility modified operations in June 2001.
- Active natural attenuation of petroleum hydrocarbons primarily via adsorption and biodegradation. These mechanisms are discussed in more detail below.

2.5 Benzene Fate and Transport

This subsection discusses the fate of benzene contamination described in the previous subsection. The discussion of benzene fate draws on the extensive lithologic and groundwater quality data collected during the numerous investigations and sampling events at the site. Lithologic considerations impacting benzene fate and transport will be presented first followed by an evaluation of natural attenuation processes.

2.5.1 Lithologic Considerations

Upper Alluvial Aquifer

Through CPCPRC's extensive data collection efforts, it has been found that the primary geologic control on plume migration in the upper alluvial aquifer is the presence and orientation of coarse-grained bodies in this aquifer and the truncation of these deposits in places by fine-grained materials. The depositional patterns in the upper alluvial aquifer are typical of an alluvial fan/transitional marine depositional environment (*RFI Report*, July 1999).

Plate 6 presents the distribution of coarse- and fine-grained deposits in the upper alluvial aquifer. Where benzene contamination is found in relation to the aquifer deposits is also presented. This figure was constructed using more than 500 investigation locations including monitoring wells and Geoprobes™ constructed both onsite and offsite. The methods and assumptions used to construct Plate 6 are described in the *CMS-Related Investigations Report* (May 2003).

General observations made from examination of Plate 6 include the following:

1. Coarse-grained deposits are thickest in the northern and central portions of the site.

2. Coarse-grained deposits are thin or absent along the site's southern boundary and in the southeastern corner. Further to the south and east, coarse-grained deposits begin to thicken (i.e., near the Caribbean Sea, by Las Mareas, and near the old Smith-Kline Evaporation Pond).

3. The shapes of the three offsite plumes in the upper alluvial aquifer closely correlate with the orientation of the coarse- and fine-grained deposits in the aquifer. Along the plume centerlines, coarse-grained deposits average about 5 feet in thickness. Along the perimeters of the plumes, truncation of coarse-grained deposits by fine-grained deposits is observed in several areas.

4. In the onsite areas, benzene distribution also relates closely to the distribution of coarse-grained materials. For example, the small "finger" of petroleum hydrocarbons observed west of the oxidation pond mimics the distribution of coarse-grained materials in this area. It should be remembered here that the Stormwater Pond and Holding Pond together have been determined to discharge about 23 gpm to the underlying upper alluvial aquifer (*RFI Report*, July 1999). It is concluded that this infiltration and the absence of coarse-grained materials along the southern edge of the site prevent the migration of petroleum hydrocarbons to the south.

Area-specific observations for the upper alluvial aquifer are described below.

West Area. The shape of the plume in the area offsite to the west closely correlates with the presence and orientation of coarse-grained deposits in the area. This is particularly evident along the terminal end of this plume where the somewhat irregular shape of the end of the plume mimics the orientation of the coarse-grained deposits. The presence of clay materials to the south restricts the plume from moving in this direction. Groundwater quality data collected between the southern edge of this plume and the Effluent Channel demonstrate that this plume does not intersect the Effluent Channel (Plate 5).

Southeastern Perimeter. The plume along the southeastern perimeter of the site shows that where coarse-grained deposits are present, the plume is present. Migration to the east and south is limited by the truncation of coarse-grained materials in these directions. This lack of coarse-grained materials helps explain why this plume has not migrated south since December 1999. The clay deposits (southeast corner of Tank Basin K) observed between this plume and the plume in the southeast corner explain why these plumes are two separate plumes. Groundwater quality data collected east of this plume demonstrate that contamination is not migrating to the east (Plate 5).

Southeast Corner. In the southeast corner, coarse-grained materials are truncated by fine-grained deposits, and the lack of coarse-grained materials helps explain why this plume has not migrated south since 1999 and is not migrating south along the PRASA line. As first discussed in the facility's *RFI Report* (July 1999), this plume underlies the Effluent Channel in the southeast corner.

In the RFI, it was determined that groundwater flow to the south along the channel averages between 2 to 4 gpm. Benzene is found sporadically in the conveyance ditches and the NPDES discharge, but is not found in Effluent Channel surface water. Benzene also has not been found in Effluent Channel sediments since the low-level detection at SW-NPDES2 in 1999.

Onsite. In the onsite areas, plume distribution also relates closely to the distribution of coarse-grained materials. For example, the small "finger" of petroleum hydrocarbons observed in the south-central portion of the site mimics the distribution of coarse-grained materials in this area (Plate 6). In addition, the Stormwater Pond and Holding Pond together have been determined to discharge about 23 gpm to the underlying upper alluvial aquifer (*RFI Report*, July 1999). It is concluded that this infiltration and the absence of coarse-grained materials along the southern edge of the site have prevented the migration of contaminants to the south.

Lower Alluvial Aquifer

Borings and wells completed in the lower alluvial aquifer indicate that this aquifer is a fairly homogeneous unit typically described as sand with fines ranging from less than 5 to 10 percent (ASTM D2488 Group Symbols SW to SW-SM). As such, preferential flow pathways are not considered to be important in the lower alluvial aquifer. Instead, once petroleum hydrocarbons are introduced, they will tend to migrate in the direction of groundwater flow, which is to the south-southwest (*RFI Report*, July 1999).

2.5.2 Natural Attenuation

Natural attenuation processes at the site were evaluated using the abundant field data collected. As a first step in evaluating natural attenuation, CPCPRC quantified the groundwater flow or seepage velocity beneath the site. Details on the calculation of seepage velocity, including estimates of effective porosity, hydraulic conductivity, and hydraulic gradients, can be found in the *RFI Report* (July 1999) and in the *CMS-Related Investigations Report* (May 2003). Seepage velocity calculations are summarized in Table 2-8.

TABLE 2-8
Calculated Groundwater Seepage Velocities

Plume	Effective Porosity	Sand Fraction	Bulk Hydraulic Conductivity (ft/day)	Hydraulic Gradient	Seepage Velocity (ft/year)
West Area	0.20	50 %	30	0.004	219
Southeast Perimeter	0.20	50 %	30	0.004	219
Southeast Corner	0.20	50 %	30	0.007	383
Lower Alluvial Aquifer	0.30	--	270	0.0014	460

Based on the 1987 assumed contaminant release date (*RFI Report*, July 1999) and the calculated groundwater seepage velocities, a conservative solute would be expected to migrate the following distances:

- West Area and Southeast Perimeter – 3,504 feet
- Southeast Corner – 6,128 feet
- Lower Alluvial Aquifer – 7,360 feet

Data presented in Plates 1 through 3 and Plate 5 demonstrate that actual plume migration from the suspected source areas are much less than the distances predicted considering advective transport alone. This result indicates that natural attenuation processes are limiting benzene migration. Of these processes, adsorption and biodegradation are considered to be the most significant and are briefly discussed below.

Adsorption

Unlike a water particle or conservative solute, an organic solute particle such as benzene may partition (or adsorb) from the groundwater to the aquifer matrix. By this adsorption process, the movement of the solute particle is retarded (slowed down) relative to the movement of groundwater. The degree to which contaminants are adsorbed on soils is dependent on the fraction of organic carbon (f_{oc}) and the chemical-specific water/carbon-partitioning coefficient (K_{oc}).

To estimate the amount of soil partitioning, and hence benzene retardation, the ratio of hydrocarbons in the soil and water phase (the soil-water distribution coefficient – K_d) are calculated using the following equation:

$$K_d = f_{oc} K_{oc}$$

From information provided in the literature (Wiedemeier, et. al, September 1998) values for these parameters are:

f_{oc} of 0.1% (f_{oc} = 0.001 for a medium fluvial/deltaic sand)

K_{oc} = 83 Liters/kilogram (kg) (benzene)

The value for f_{oc} of 0.1 percent is equivalent to 1 gram of organic carbon per 1,000 grams of sample, or 1,000 mg/kg.

As a result of adsorption, contaminant transport velocity in the aquifer is less than the seepage velocity of the groundwater. The ratio of the velocities is expressed as:

$$V_s/V_c = R$$

Where:

V_s = average groundwater seepage velocity
V_c = average velocity of contaminants
R = coefficient of retardation

The coefficient of retardation can be defined by the following linear relationship:

$$R = 1 + (K_d \theta_b/n)$$

Where:

R= coefficient of retardation
K_d = distribution coefficient for benzene (0.083 Liters/kilogram)
n = effective porosity (20 percent upper alluvial and 30 percent lower alluvial)
θ_b = soil bulk density (value of 1.7 kg/L from Wiedemeier, et. al, September 1998)

Using these values, the following coefficients of retardation for benzene were calculated:

Upper alluvial aquifer – 1.7

Lower alluvial aquifer – 1.5

Table 2-9, below, summarizes the average velocity of benzene relative to the average seepage velocity of groundwater and the predicted distal end of the plume fronts considering retardation.

TABLE 2-9
Calculated Average Benzene Velocities and Predicted Plume Fronts

Plume	Seepage Velocity (ft/year)	Retardation Factor	Benzene Velocity (ft/year)	Predicted Plume Front (16 years of Transport)	Actual Plume Front (ft)
West Area	219	1.7	129	2,064	1,845
Southeast Perimeter	219	1.7	129	2,064	675
Southeast Corner	383	1.7	225	3,600	765
Lower Alluvial Aquifer	460	1.5	307	4,912	410

These results indicate that benzene, in the absence of biodegradation, should have migrated between about 2,000 and 5,000 feet over the last 16 years. Recognizing that retardation alone may be insufficient to describe the rate of benzene migration, consideration is given to biodegradation processes.

Biodegradation

Biodegradation of petroleum hydrocarbons is the result of metabolic activity whereby microorganisms process the petroleum hydrocarbons as food through a series of diverse reactions. The result of this metabolism is the destruction of the petroleum hydrocarbon and observable shifts in groundwater chemistry, including:

- Consumption of electron acceptors used to take up the electrons generated through the metabolism of hydrocarbons. Primary electron acceptors include oxygen, sulfate, and nitrate.
- Reaction byproducts. Primary reaction byproducts include methane and soluble ferrous iron (Fe^{+2}) reflecting reduction of insoluble ferric iron (Fe^{+3}).

By monitoring water quality for these constituents, an assessment of the biodegradation capacity of an aquifer can be made. The biodegradation capacity of the aquifers was quantified based on literature-cited utilization factors and site geochemical data collected during the semiannual monitoring events (June 1998 through December 2003). An explanation of the method by which biodegradation capacity was quantified can be found in the *CMS-Related Investigations Report* (May 2003).

Conclusions drawn from the biodegradation data presented in the *CMS-Related Investigations Report* (May 2003) include the following:

- From a stochiometric perspective, methanogenesis plays the dominant role in benzene degradation. In addition, variation in methane values between the maximum, minimum, and average values is primarily responsible for the wide variation in the estimates of biodegradation capacity.
- If average biodegradation capacity values are considered as most representative, then significant reduction in benzene concentrations can be expected in the source zones and plumes. In the lower alluvial aquifer, the average value suggests that there is adequate biodegradation capacity to degrade all the benzene mass measured. This likely explains the large discrepancy between the observed extent of benzene (< 410 feet at MW-21D) and the extent of benzene based on retardation alone (4,912 feet; see Table 2-9).
- Methane values are elevated in the interior plume areas (e.g., MW-165, MW-18, and MW-5R) indicating active biodegradation via methanogenesis. Outside the plume areas, methane is either detected at low levels or is below detection.
- By grouping wells by area, CPCPRC used a conservative approach to develop estimates of biodegradation capacity in which composite data of electron acceptors and byproducts from both the source zone and outside the plume areas were used. Had the data been limited to only maximum values from wells inside the source zones, the estimated biodegradation capacity would suggest complete degradation of benzene in the plumes is possible.

2.5.3 Summary of Findings – BTEX Fate and Transport

Based on the analyses of benzene fate and transport outlined above, a summary of the fate of BTEX constituents is as follows:

- The actual distances the plumes have migrated are much less than the distances predicted considering advective transport alone. This result demonstrates that natural attenuation processes are limiting benzene migration. Of these processes, retardation and biodegradation were examined.
- Even accounting for retardation, the distal ends of the plumes are less than would be predicted particularly for the southeast perimeter plume, the plume in the southeast corner, and benzene in the lower alluvial aquifer.
- Although biodegradation is demonstrated to be active in the two shallow plumes along the eastern side of the site, it should be recalled that these plumes have also encountered a significant permeability contrast (low-permeability clays – Plate 6). This permeability contrast also helps control contaminant migration in these two plumes.
- For the lower alluvial aquifer, the high biodegradation capacity accounts for the lack of migration in this aquifer as well as the observed significant declines in benzene levels.
- In the west area, the plume movement predicted by incorporating advection and retardation is fairly close to the actual plume movement. This suggests that the values for hydraulic conductivity and retardation coefficient are fairly accurate. In addition, there is significant biodegradation in this area as demonstrated by the very high methane values measured in the area.

Although there are some uncertainties inherent in fate and transport analyses at CPCPRC, the fact remains that the plumes in the upper alluvial aquifer have been stable over the last 4 years (since December 1999) and benzene levels have decreased significantly in the lower alluvial aquifer.

2.6 Conclusions

An understanding of the results of the analytical sampling and fate and transport analysis define the conceptual model of the site. Understanding the site conceptual model is relevant to risk assessment since this helps define the potential future human and ecological receptors that may be exposed to facility-related chemicals and their potential exposure routes. Key findings relative to potential exposure pathways include the following:

- The results of this surface soil investigation demonstrate that groundwater is not discharging to the surface or volatilizing through the subsurface. In addition, the results demonstrate that the metals in surface soils in offsite areas are not facility-related.
- In the West area, groundwater quality data collected between the southern edge of this plume and the Effluent Channel demonstrate that this plume does not intersect the Effluent Channel (Plate 1 and Plate 5).
- In the southeast corner, groundwater quality data collected within and along the PRASA pipeline envelope indicate that the plume in this area does not migrate along the

pipeline envelope south of the 1-mg/L plume contour in this area (Plates 3 and 5). Thus, benzene is not migrating south towards the Caribbean Sea and Las Mareas via the pipeline.

- Contamination in the in the southeast corner groundwater plume does discharge to the effluent channel at an average flow between 2 to 4 gpm (*RFI Report*, July 1999). Benzene is found sporadically in the conveyance ditches and the NPDES discharge, but is not found in Effluent Channel surface water.
- The groundwater quality data demonstrate that benzene is only found in isolated areas of the lower alluvial aquifer. Benzene is not found between the site and the Caribbean Sea, benzene is not found south of the AES, or in the Las Mareas area.

Although not specifically related to potential receptor exposure, it is noted that the results of the data analyses demonstrate that in most cases, maximum detections of BTEX constituents were significantly higher historically than are currently measured. Thus, by including historical benzene data for groundwater, a conservative estimate of potential risk is presented.

TABLE 2-2
Summary of Detected Constituents in Shallow Groundwater (GWS)

Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
VOC	1,2,4-TRIMETHYLBENZENE	µg/L	5	42	12	5.10E+00	4.07E+03
	ISOPROPYLBENZENE	µg/L	2	42	5	5.32E+01	3.35E+03
	METHANE	µg/L	141	203	69	1.00E+01	1.20E+06
	N-BUTYLBENZENE	µg/L	1	42	2	4.60E+02	4.60E+02
	N-PROPYLBENZENE	µg/L	1	42	2	1.18E+02	1.18E+02
	TERT-BUTYLMETHYLETHER	µg/L	91	296	31	2.20E-01	9.24E+03
	1,1,2-TRICHLOROETHANE	µg/L	1	546	0.2	4.70E+00	4.70E+00
	1,2-DICHLOROETHANE	µg/L	8	561	1	1.10E+00	2.58E+03
	1,2-DICHLOROETHENE(TOTAL)	µg/L	1	80	1	2.20E+00	2.20E+00
	1,2-DICHLOROPROPANE	µg/L	2	550	0.4	3.00E+00	4.50E+00
	2-BUTANONE	µg/L	6	510	1	1.80E+00	1.30E+01
	ACETONE	µg/L	24	494	5	2.10E+00	2.50E+05
	BENZENE	µg/L	266	630	42	5.20E-02	2.30E+07
	CARBONDISULFIDE	µg/L	6	514	1	2.00E-01	7.00E+00
	CHLOROBENZENE	µg/L	20	562	4	1.10E+00	1.40E+01
	CHLOROFORM	µg/L	4	562	1	2.10E+00	1.70E+01
	CHLOROMETHANE	µg/L	2	549	0.4	3.20E+00	8.40E+00
	CIS-1,2-DICHLOROETHENE	µg/L	1	42	2	1.50E+00	1.50E+00
	DIBROMOCHLOROMETHANE	µg/L	1	550	0.2	5.50E+00	5.50E+00
	ETHYLBENZENE	µg/L	125	604	21	8.30E-01	2.47E+04
	METHYLENECHLORIDE	µg/L	39	548	7	1.00E+00	6.00E+02
	O-XYLENE	µg/L	67	241	28	8.00E-01	4.10E+04
	TOLUENE	µg/L	152	631	24	6.00E-01	9.40E+05
	XYLENES(TOTAL)	µg/L	184	627	29	9.50E-02	6.30E+05
SVOC	1,4-DICHLOROBENZENE	µg/L	2	513	0.4	1.00E+00	1.20E+00
	1H-INDENE	µg/L	6	58	10	2.20E+00	8.70E+01
	2,4-DIMETHYLPHENOL	µg/L	51	431	12	2.00E+00	1.10E+03
	2,4-DINITROTOLUENE	µg/L	1	460	0.2	1.42E+02	1.42E+02
	2,6-DINITROTOLUENE	µg/L	1	459	0.2	9.80E+00	9.80E+00
	2-METHYLNAPHTHALENE	µg/L	57	449	13	1.40E+00	9.90E+01
	2-METHYLPHENOL	µg/L	57	467	12	1.10E+00	6.40E+02
	2-NITROANILINE	µg/L	1	451	0.2	8.40E+00	8.40E+00
	3-NITROANILINE	µg/L	1	451	0.2	6.50E+00	6.50E+00
	4-CHLOROANILINE	µg/L	1	448	0.2	7.90E+00	7.90E+00
	4-METHYLPHENOL	µg/L	67	423	16	1.20E+00	5.03E+02
	4-NITROANILINE	µg/L	1	451	0.2	1.35E+01	1.35E+01
	4-NITROPHENOL	µg/L	1	432	0.2	6.80E+00	6.80E+00
	ACENAPHTHENE	µg/L	3	460	1	2.20E+00	3.90E+00
	ACENAPHTHYLENE	µg/L	1	459	0.2	3.50E+00	3.50E+00
	ANTHRACENE	µg/L	4	471	1	1.10E+00	4.40E+01
	BENZO(A)PYRENE	µg/L	1	472	0.2	4.30E+01	4.30E+01

TABLE 2-2
Summary of Detected Constituents in Shallow Groundwater (GWS)

Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
	BENZOICACID	µg/L	22	438	5	2.70E+00	1.10E+02
	BENZYLALCOHOL	µg/L	2	447	0.4	3.10E+00	1.37E+01
	BIS(2-ETHYLHEXYL)PHTHALATE	µg/L	123	464	27	1.30E+00	8.40E+04
	DI-N-BUTYLPHTHALATE	µg/L	14	472	3	1.30E+00	7.10E+00
	DI-N-OCTYLPHTHALATE	µg/L	1	472	0.2	3.97E+01	3.97E+01
	DIETHYLPHTHALATE	µg/L	3	471	1	1.80E+00	5.80E+00
	DIMETHYLPHTHALATE	µg/L	2	471	0.4	2.40E+00	1.26E+01
	FLUORENE	µg/L	46	457	10	2.00E+00	1.50E+02
	HEXACHLOROETHANE	µg/L	2	459	0.4	6.20E+00	1.22E+01
	N-NITROSO-DI-N-PROPYLAMINE	µg/L	2	459	0.4	4.60E+00	5.90E+00
	N-NITROSODIPHENYLAMINE	µg/L	1	459	0.2	4.00E+00	4.00E+00
	NAPHTHALENE	µg/L	139	554	25	1.30E+00	6.70E+03
	PHENANTHRENE	µg/L	23	471	5	2.00E+00	4.70E+01
	PHENOL	µg/L	130	475	27	2.71E+00	7.60E+03
	PHENOLICS	µg/L	8	25	32	2.00E+01	1.10E+03
METALS, TOTAL	ANTIMONY, TOTAL	µg/L	17	478	4	5.60E+00	1.43E+02
	ARSENIC, TOTAL	µg/L	160	510	31	9.30E-01	1.00E+03
	BARIUM, TOTAL	µg/L	371	475	78	2.00E+01	5.20E+03
	BERYLLIUM, TOTAL	µg/L	7	446	2	2.00E+00	5.60E+00
	CADMIUM, TOTAL	µg/L	52	533	10	6.80E-01	6.30E+01
	CHROMIUM (VI), TOTAL	µg/L	9	311	3	2.00E+01	1.10E+02
	CHROMIUM, TOTAL	µg/L	120	491	24	1.10E+00	2.76E+04
	COBALT, TOTAL	µg/L	79	358	22	1.60E+00	6.45E+02
	COPPER, TOTAL	µg/L	183	512	36	4.10E+00	2.12E+03
	IRON, FERROUS, TOTAL	µg/L	1	2	50	6.80E+02	6.80E+02
	IRON, TOTAL	µg/L	543	548	99	1.44E+01	9.85E+05
	LEAD, TOTAL	µg/L	82	539	15	1.50E+00	4.40E+02
	MAGNESIUM, TOTAL	µg/L	514	514	100	6.71E+03	2.03E+06
	MANGANESE, TOTAL	µg/L	497	500	99	2.52E+01	3.47E+04
	MERCURY, TOTAL	µg/L	66	513	13	3.00E-02	1.59E+01
	NICKEL, TOTAL	µg/L	189	516	37	2.10E+00	1.32E+04
	SELENIUM, TOTAL	µg/L	54	466	12	8.50E-01	5.72E+01
	SILVER, TOTAL	µg/L	18	300	6	2.00E+00	1.10E+01
	VANADIUM, TOTAL	µg/L	107	473	23	5.50E+00	2.80E+03
	ZINC, TOTAL	µg/L	147	448	33	1.30E+00	2.20E+03
METALS, DISSOLVED	ANTIMONY, DISSOLVED	µg/L	19	462	4	3.60E+00	1.20E+02
	ARSENIC, DISSOLVED	µg/L	139	481	29	1.00E+00	4.08E+02
	BARIUM, DISSOLVED	µg/L	390	449	87	6.10E+00	1.80E+03
	CADMIUM, DISSOLVED	µg/L	23	504	5	2.00E+00	7.13E+01
	CHROMIUM (VI), DISSOLVED	µg/L	1	279	0.4	1.00E+01	1.00E+01
	CHROMIUM, DISSOLVED	µg/L	19	462	4	5.20E-01	1.60E+03
	COBALT, DISSOLVED	µg/L	31	342	9	1.90E+00	7.15E+02

TABLE 2-2
Summary of Detected Constituents in Shallow Groundwater (GWS)

Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
	COPPER, DISSOLVED	µg/L	60	503	12	1.60E+00	2.60E+02
	IRON, DISSOLVED	µg/L	248	283	88	2.60E+01	1.99E+04
	LEAD, DISSOLVED	µg/L	24	499	5	1.20E+00	1.40E+02
	MAGNESIUM, DISSOLVED	µg/L	297	297	100	8.27E+03	1.04E+06
	MANGANESE, DISSOLVED	µg/L	455	466	98	9.40E+00	1.49E+04
	MERCURY, DISSOLVED	µg/L	11	496	2	2.90E-02	2.17E+02
	NICKEL, DISSOLVED	µg/L	140	498	28	2.40E+00	1.50E+03
	SELENIUM, DISSOLVED	µg/L	80	437	18	3.00E+00	2.63E+02
	SILVER, DISSOLVED	µg/L	6	286	2	1.00E+00	4.29E+02
	VANADIUM, DISSOLVED	µg/L	37	458	8	1.30E+00	3.38E+02
	ZINC, DISSOLVED	µg/L	335	425	79	7.60E+00	4.49E+02
PCB	AROCLOR-1242	µg/L	1	5	20	1.07E+00	1.07E+00
HERBICIDE	2,4-D	µg/L	3	15	20	7.40E-02	1.28E+00

Notes:
For non-detect values, the value used is one-half the method detection limit.
Rejected values are not included in the calculations.

TABLE 2-3
Summary of Detected Constituents in Deep Groundwater (GWD)

Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
VOC	METHANE	µg/L	44	82	54	1.00E+01	3.50E+05
	TERT-BUTYLMETHYLETHER	µg/L	25	121	21	4.90E-01	1.98E+02
	1,2-DICHLOROETHANE	µg/L	1	224	0.4	2.50E+00	2.50E+00
	1,2-DICHLOROETHENE(TOTAL)	µg/L	2	32	6	5.40E+00	6.30E+00
	ACETONE	µg/L	2	203	1	2.30E+00	7.00E+02
	BENZENE	µg/L	80	246	33	1.00E+00	2.18E+05
	CARBONDISULFIDE	µg/L	3	204	1	2.20E-01	1.90E+01
	CHLOROBENZENE	µg/L	1	224	0.4	4.80E+00	4.80E+00
	CHLOROFORM	µg/L	5	224	2	1.40E+00	3.40E+00
	CIS-1,2-DICHLOROETHENE	µg/L	2	20	10	1.00E+00	2.20E+00
	ETHYLBENZENE	µg/L	23	246	9	1.50E+00	3.13E+03
	METHYLENECHLORIDE	µg/L	18	224	8	1.00E+00	7.89E+01
	O-XYLENE	µg/L	13	101	13	1.20E+00	5.87E+03
	TETRACHLOROETHENE	µg/L	4	224	2	1.40E+00	7.00E+00
	TOLUENE	µg/L	27	247	11	9.00E-01	2.20E+04
	TRANS-1,2-DICHLOROETHENE	µg/L	1	192	1	1.40E+00	1.40E+00
	TRICHLOROETHENE	µg/L	4	224	2	1.40E+00	5.40E+00
	VINYLCHLORIDE	µg/L	1	224	0.4	1.43E+00	1.43E+00
	XYLENES (TOTAL)	µg/L	31	246	13	6.00E-01	1.30E+05
SVOC	2,4-DIMETHYLPHENOL	µg/L	2	171	1	4.50E+00	1.40E+01
	2-METHYLNAPHTHALENE	µg/L	2	183	1	5.70E+00	1.10E+01
	2-METHYLPHENOL	µg/L	1	176	1	3.60E+01	3.60E+01
	4-METHYLPHENOL	µg/L	1	171	1	5.40E+01	5.40E+01
	BIS(2-ETHYLHEXYL)PHTHALATE	µg/L	38	178	21	4.90E+00	7.80E+01
	DIETHYLPHTHALATE	µg/L	1	183	1	2.10E+00	2.10E+00
	DI-N-BUTYLPHTHALATE	µg/L	4	183	2	1.30E+00	2.30E+00
	FLUORENE	µg/L	4	183	2	1.20E+00	1.20E+01
	NAPHTHALENE	µg/L	14	209	7	1.30E+00	5.40E+01
	PHENOL	µg/L	24	176	14	4.40E+00	1.40E+03
METALS, TOTAL	ANTIMONY, TOTAL	µg/L	1	181	1	8.00E+01	8.00E+01
	ARSENIC, TOTAL	µg/L	43	192	22	1.00E+00	1.30E+02
	BARIUM, TOTAL	µg/L	110	179	61	1.20E+01	4.77E+03
	BERYLLIUM, TOTAL	µg/L	2	181	1	4.60E+00	5.20E+00
	CADMIUM, TOTAL	µg/L	16	201	8	2.00E+00	1.90E+01
	CHROMIUM(VI), TOTAL	µg/L	1	139	1	5.00E+01	5.00E+01
	CHROMIUM, TOTAL	µg/L	15	181	8	1.00E+01	7.00E+02
	COBALT, TOTAL	µg/L	5	134	4	1.80E+01	4.00E+02
	COPPER, TOTAL	µg/L	29	200	15	5.50E+00	4.03E+03
	IRON, TOTAL	µg/L	191	216	88	3.00E+01	1.95E+06
	LEAD, TOTAL	µg/L	13	201	6	2.00E+00	6.30E+01

TABLE 2-3
Summary of Detected Constituents in Deep Groundwater (GWD)

Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
	MAGNESIUM, TOTAL	µg/L	220	220	100	5.11E+03	5.23E+05
	MANGANESE, TOTAL	µg/L	173	191	91	1.00E+01	3.64E+04
	MERCURY, TOTAL	µg/L	4	191	2	2.00E-01	4.60E-01
	NICKEL, TOTAL	µg/L	16	201	8	2.00E+01	3.30E+02
	SELENIUM, TOTAL	µg/L	8	172	5	4.10E+00	1.39E+01
	SILVER, TOTAL	µg/L	9	103	9	1.00E+00	7.00E+00
	VANADIUM, TOTAL	µg/L	19	181	10	1.00E+01	4.99E+03
	ZINC, TOTAL	µg/L	33	171	19	1.00E+01	3.35E+03
METALS, DISSOLVED	ANTIMONY, DISSOLVED	µg/L	3	182	2	6.00E+01	9.00E+01
	ARSENIC, DISSOLVED	µg/L	44	192	23	1.00E+00	8.00E+01
	BARIUM, DISSOLVED	µg/L	144	181	80	3.40E+01	1.27E+03
	CADMIUM, DISSOLVED	µg/L	7	202	3	2.00E+00	4.00E+00
	COBALT, DISSOLVED	µg/L	1	133	1	3.10E+00	3.10E+00
	COPPER, DISSOLVED	µg/L	10	202	5	1.00E+01	3.00E+01
	IRON, DISSOLVED	µg/L	70	119	59	4.00E+01	1.48E+04
	LEAD, DISSOLVED	µg/L	4	200	2	2.00E+00	6.70E+00
	MAGNESIUM, DISSOLVED	µg/L	125	125	100	4.75E+03	2.15E+05
	MANGANESE, DISSOLVED	µg/L	161	193	83	1.00E+01	7.06E+03
	MERCURY, DISSOLVED	µg/L	1	199	1	3.90E-01	3.90E-01
	NICKEL, DISSOLVED	µg/L	6	202	3	2.00E+01	1.20E+02
	SELENIUM, DISSOLVED	µg/L	24	172	14	5.10E+00	2.55E+01
	SILVER, DISSOLVED	µg/L	3	109	3	2.00E+00	3.00E+00
	VANADIUM, DISSOLVED	µg/L	8	182	4	8.90E+00	5.40E+01
	ZINC, DISSOLVED	µg/L	139	172	81	1.00E+01	3.51E+02

Notes:
For non-detect values, the value used is one-half the method detection limit.
Rejected values are not included in the calculations.

TABLE 2-4
Summary of Detected Constituents in Surface Soils (SS)

Area Group	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
AES	VOC	1,1,1-TRICHLOROETHANE	µg/kg	6	10	60	6.30E-01	1.60E+00
		2-BUTANONE	µg/kg	2	10	20	3.80E+00	5.40E+00
		ACETONE	µg/kg	5	10	50	5.30E+00	1.20E+01
		TETRACHLOROETHENE	µg/kg	2	10	20	1.50E+00	1.70E+00
		TOLUENE	µg/kg	3	10	30	1.10E+00	2.00E+00
	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	µg/kg	1	10	10	6.90E+01	6.90E+01
	METALS	ANTIMONY	µg/kg	3	6	50	4.30E+02	7.70E+02
		ARSENIC	µg/kg	9	10	90	1.20E+03	4.60E+03
		BARIUM	µg/kg	10	10	100	3.62E+04	1.65E+05
		CADMIUM	µg/kg	10	10	100	1.20E+03	2.00E+03
		CHROMIUM	µg/kg	10	10	100	5.20E+03	1.56E+04
		COBALT	µg/kg	10	10	100	1.82E+04	3.01E+04
		COPPER	µg/kg	10	10	100	7.29E+04	1.49E+05
		IRON	µg/kg	10	10	100	3.65E+07	5.64E+07
		LEAD	µg/kg	10	10	100	8.20E+02	5.80E+03
		MAGNESIUM	µg/kg	10	10	100	8.48E+06	1.69E+07
		MANGANESE	µg/kg	10	10	100	5.44E+05	1.34E+06
		MERCURY	µg/kg	9	10	90	5.20E+00	2.40E+01
		NICKEL	µg/kg	10	10	100	5.50E+03	1.00E+04
		VANADIUM	µg/kg	10	10	100	1.20E+05	1.92E+05
		ZINC	µg/kg	10	10	100	4.22E+04	9.19E+04
BEACH	VOC	1,1,1-TRICHLOROETHANE	µg/kg	2	4	50	8.10E-01	1.30E+00
		2-BUTANONE	µg/kg	3	4	75	3.80E+00	6.00E+00
		ACETONE	µg/kg	4	4	100	8.90E+00	2.50E+01
		TETRACHLOROETHENE	µg/kg	1	4	25	1.90E+00	1.90E+00
		TOLUENE	µg/kg	3	4	75	1.00E+00	2.30E+00
	METALS	ARSENIC	µg/kg	4	4	100	2.70E+03	5.50E+03
		BARIUM	µg/kg	4	4	100	1.91E+04	7.97E+04
		CADMIUM	µg/kg	4	4	100	7.70E+02	2.10E+03
		CHROMIUM	µg/kg	4	4	100	7.30E+03	1.33E+04
		COBALT	µg/kg	4	4	100	8.40E+03	1.91E+04
		COPPER	µg/kg	4	4	100	2.43E+04	7.44E+04
		IRON	µg/kg	4	4	100	2.31E+07	4.26E+07
		LEAD	µg/kg	4	4	100	2.10E+03	3.15E+04
		MAGNESIUM	µg/kg	4	4	100	3.22E+06	7.60E+06
		MANGANESE	µg/kg	4	4	100	2.98E+05	2.15E+06
		MERCURY	µg/kg	4	4	100	9.00E+00	2.10E+01
		NICKEL	µg/kg	4	4	100	2.70E+03	7.20E+03
		VANADIUM	µg/kg	4	4	100	1.05E+05	1.76E+05
		ZINC	µg/kg	4	4	100	2.57E+04	8.25E+04

TABLE 2-4
Summary of Detected Constituents in Surface Soils (SS)

Area Group	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
LAS MAREAS	VOC	1,1,1-TRICHLOROETHANE	µg/kg	2	3	67	1.10E+00	1.30E+00
		2-BUTANONE	µg/kg	3	3	100	4.80E+00	1.20E+01
		ACETONE	µg/kg	3	3	100	1.50E+01	4.60E+01
		BENZENE	µg/kg	1	3	33	1.20E+00	1.20E+00
		TETRACHLOROETHENE	µg/kg	2	3	67	1.60E+00	1.80E+00
		TOLUENE	µg/kg	3	3	100	9.60E-01	1.80E+00
	METALS	ARSENIC	µg/kg	3	3	100	3.80E+03	4.80E+03
		BARIUM	µg/kg	3	3	100	1.65E+04	4.41E+04
		CADMIUM	µg/kg	3	3	100	6.40E+02	1.50E+03
		CHROMIUM	µg/kg	3	3	100	5.70E+03	1.56E+04
		COBALT	µg/kg	3	3	100	6.00E+03	1.21E+04
		COPPER	µg/kg	3	3	100	1.48E+04	3.83E+04
		IRON	µg/kg	3	3	100	1.19E+07	3.27E+07
		LEAD	µg/kg	3	3	100	1.50E+03	2.30E+04
		MAGNESIUM	µg/kg	3	3	100	5.49E+06	8.67E+06
		MANGANESE	µg/kg	3	3	100	2.69E+05	5.90E+05
		MERCURY	µg/kg	3	3	100	4.60E+00	3.80E+01
		NICKEL	µg/kg	3	3	100	2.20E+03	6.40E+03
		VANADIUM	µg/kg	3	3	100	5.07E+04	9.78E+04
		ZINC	µg/kg	3	3	100	2.15E+04	8.37E+04
ONSITE	VOC	BENZENE	µg/kg	5	5	100	5.00E+00	6.90E+01
		ETHYLBENZENE	µg/kg	1	5	20	1.10E+02	1.10E+02
		XYLENES(TOTAL)	µg/kg	2	5	40	7.00E+00	1.90E+01
	SVOC	BENZO(A)PYRENE	µg/kg	1	7	14	1.30E+03	1.30E+03
		BENZO(B)FLUORANTHENE	µg/kg	2	7	29	2.90E+02	2.40E+03
		BENZO(G,H,I)PERYLENE	µg/kg	3	7	43	4.50E+02	1.60E+03
		BIS(2-ETHYLHEXYL)PHTHALATE	µg/kg	3	7	43	1.20E+02	2.10E+02
		CHRYSENE	µg/kg	2	7	29	2.50E+02	3.40E+03
		FLUORANTHENE	µg/kg	1	7	14	7.40E+02	7.40E+02
		FLUORENE	µg/kg	1	7	14	1.40E+03	1.40E+03
		INDENO(1,2,3-CD)PYRENE	µg/kg	1	7	14	2.60E+02	2.60E+02
		PHENANTHRENE	µg/kg	2	7	29	1.60E+02	5.20E+03
		PYRENE	µg/kg	1	7	14	4.40E+02	4.40E+02
	METALS	ARSENIC	µg/kg	12	16	75	4.75E+02	3.16E+03
		BARIUM	µg/kg	13	16	81	1.11E+04	1.14E+06
		CADMIUM	µg/kg	6	16	38	3.47E+02	4.10E+03
		CHROMIUM	µg/kg	17	21	81	2.00E+03	1.72E+06
		CHROMIUM(VI)	µg/kg	1	5	20	5.00E+01	5.00E+01
		LEAD	µg/kg	15	16	94	7.59E+02	1.63E+05
		MERCURY	µg/kg	6	16	38	8.30E+01	5.27E+02
		SELENIUM	µg/kg	7	16	44	2.11E+02	8.75E+02

TABLE 2-4
Summary of Detected Constituents in Surface Soils (SS)

Area Group	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
		SILVER	µg/kg	5	16	31	6.12E+02	5.30E+03
		ZINC	µg/kg	2	2	100	7.64E+05	1.30E+06
PRASA	VOC	1,1,1-TRICHLOROETHANE	µg/kg	3	4	75	7.00E-01	1.80E+00
		2-BUTANONE	µg/kg	1	4	25	4.30E+00	4.30E+00
		ACETONE	µg/kg	1	4	25	1.90E+01	1.90E+01
		TETRACHLOROETHENE	µg/kg	1	4	25	2.30E+00	2.30E+00
		TOLUENE	µg/kg	1	4	25	1.00E+00	1.00E+00
	METALS	ANTIMONY	µg/kg	1	2	50	5.60E+02	5.60E+02
		ARSENIC	µg/kg	4	4	100	2.50E+03	4.00E+03
		BARIUM	µg/kg	4	4	100	2.43E+04	9.56E+04
		CADMIUM	µg/kg	4	4	100	5.30E+02	1.70E+03
		CHROMIUM	µg/kg	4	4	100	4.70E+03	2.10E+04
		COBALT	µg/kg	4	4	100	7.90E+03	2.35E+04
		COPPER	µg/kg	4	4	100	2.30E+04	8.89E+04
		IRON	µg/kg	4	4	100	1.78E+07	4.92E+07
		LEAD	µg/kg	4	4	100	1.60E+03	1.15E+04
		MAGNESIUM	µg/kg	4	4	100	5.63E+06	1.62E+07
		MANGANESE	µg/kg	4	4	100	3.24E+05	1.14E+06
		MERCURY	µg/kg	4	4	100	7.60E+00	1.30E+01
		NICKEL	µg/kg	4	4	100	3.10E+03	1.18E+04
		VANADIUM	µg/kg	4	4	100	5.42E+04	1.72E+05
		ZINC	µg/kg	4	4	100	4.36E+04	8.63E+04
WEST	VOC	1,1,1-TRICHLOROETHANE	µg/kg	4	5	80	6.70E-01	2.30E+00
		1,1-DICHLOROETHANE	µg/kg	1	5	20	8.10E-01	8.10E-01
		2-BUTANONE	µg/kg	2	5	40	5.40E+00	1.10E+01
		ACETONE	µg/kg	3	5	60	1.30E+01	8.20E+01
		METHYLENECHLORIDE	µg/kg	3	5	60	1.10E+00	1.80E+00
		TETRACHLOROETHENE	µg/kg	1	5	20	1.20E+00	1.20E+00
		TOLUENE	µg/kg	2	5	40	1.10E+00	1.90E+00
	METALS	ANTIMONY	µg/kg	2	2	100	5.60E+02	6.10E+02
		ARSENIC	µg/kg	5	5	100	1.70E+03	7.00E+03
		BARIUM	µg/kg	5	5	100	7.04E+04	1.08E+05
		CADMIUM	µg/kg	5	5	100	1.40E+03	2.00E+03
		CHROMIUM	µg/kg	5	5	100	1.19E+04	1.44E+04
		COBALT	µg/kg	5	5	100	1.73E+04	2.43E+04
		COPPER	µg/kg	5	5	100	6.22E+04	9.46E+04
		IRON	µg/kg	5	5	100	3.15E+07	4.30E+07
		LEAD	µg/kg	5	5	100	2.90E+03	6.20E+03
		MAGNESIUM	µg/kg	5	5	100	9.62E+06	1.67E+07
		MANGANESE	µg/kg	5	5	100	9.73E+05	1.43E+06
		MERCURY	µg/kg	5	5	100	6.00E+00	1.90E+01

TABLE 2-4
Summary of Detected Constituents in Surface Soils (SS)

Area Group	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
		NICKEL	µg/kg	5	5	100	7.00E+03	1.01E+04
		SELENIUM	µg/kg	2	5	40	3.50E+02	4.10E+02
		VANADIUM	µg/kg	5	5	100	1.21E+05	1.42E+05
		ZINC	µg/kg	5	5	100	6.28E+04	9.80E+04

Notes:
For non-detect values, the value used is one-half the method detection limit.
Rejected values are not included in the calculations.

TABLE 2-5
Summary of Detected Constituents in Subsurface Soils (SB)

Grouping	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
AES	VOC	1,1,1-TRICHLOROETHANE	µg/kg	3	12	25	8.80E-01	1.50E+01
		1,1-DICHLOROETHANE	µg/kg	1	12	8	5.70E+00	5.70E+00
		2-BUTANONE	µg/kg	5	12	42	4.90E+00	2.20E+01
		ACETONE	µg/kg	6	12	50	8.40E+00	5.20E+01
		BENZENE	µg/kg	1	12	8	7.60E+02	7.60E+02
		CARBONDISULFIDE	µg/kg	1	12	8	3.40E+01	3.40E+01
		ETHYLBENZENE	µg/kg	1	12	8	2.80E+03	2.80E+03
		TETRACHLOROETHENE	µg/kg	1	12	8	7.90E+00	7.90E+00
		TOLUENE	µg/kg	2	12	17	1.00E+00	9.60E+00
		XYLENES(TOTAL)	µg/kg	2	12	17	4.70E+02	2.70E+03
	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	µg/kg	2	12	17	6.10E+02	1.60E+03
		FLUORENE	µg/kg	1	12	8	5.20E+01	5.20E+01
		PHENOL	µg/kg	1	10	10	8.30E+01	8.30E+01
	METALS	ANTIMONY	µg/kg	2	6	33	5.60E+02	8.20E+02
		ARSENIC	µg/kg	13	13	100	9.47E+02	1.64E+04
		BARIUM	µg/kg	13	13	100	3.47E+04	1.40E+05
		CADMIUM	µg/kg	10	13	77	1.00E+03	1.60E+03
		CHROMIUM	µg/kg	13	13	100	6.04E+03	1.80E+04
		CHROMIUM(VI)	µg/kg	1	13	8	1.36E+02	1.36E+02
		COBALT	µg/kg	10	10	100	1.37E+04	2.34E+04
		COPPER	µg/kg	10	10	100	4.87E+04	9.95E+04
		IRON	µg/kg	10	10	100	3.20E+07	5.18E+07
		LEAD	µg/kg	13	13	100	7.75E+02	2.10E+03
		MAGNESIUM	µg/kg	10	10	100	6.22E+06	1.35E+07
		MANGANESE	µg/kg	10	10	100	3.51E+05	1.00E+06
		MERCURY	µg/kg	10	13	77	5.90E+00	2.40E+01
		NICKEL	µg/kg	10	10	100	4.90E+03	9.00E+03
		SELENIUM	µg/kg	2	13	15	3.90E+02	7.40E+02
		VANADIUM	µg/kg	10	10	100	9.92E+04	1.87E+05
		ZINC	µg/kg	10	10	100	4.93E+04	8.52E+04
BEACH	VOC	1,1,1-TRICHLOROETHANE	µg/kg	1	4	25	8.30E-01	8.30E-01
		2-BUTANONE	µg/kg	4	4	100	4.40E+00	8.80E+00
		ACETONE	µg/kg	4	4	100	9.50E+00	2.60E+01
		BENZENE	µg/kg	1	4	25	1.40E+00	1.40E+00
		CARBONDISULFIDE	µg/kg	1	4	25	1.60E+00	1.60E+00
		TOLUENE	µg/kg	1	4	25	1.40E+00	1.40E+00
	METALS	ARSENIC	µg/kg	4	4	100	1.70E+03	5.90E+03
		BARIUM	µg/kg	4	4	100	1.68E+04	1.12E+05
		BERYLLIUM	µg/kg	1	4	25	1.60E+02	1.60E+02

TABLE 2-5
Summary of Detected Constituents in Subsurface Soils (SB)

Grouping	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
		CADMIUM	µg/kg	4	4	100	5.40E+02	1.80E+03
		CHROMIUM	µg/kg	4	4	100	4.80E+03	2.41E+04
		COBALT	µg/kg	4	4	100	6.80E+03	4.66E+04
		COPPER	µg/kg	4	4	100	1.81E+04	1.14E+05
		IRON	µg/kg	4	4	100	1.31E+07	4.70E+07
		LEAD	µg/kg	4	4	100	6.40E+02	6.90E+03
		MAGNESIUM	µg/kg	4	4	100	4.12E+06	1.41E+07
		MANGANESE	µg/kg	4	4	100	3.07E+05	9.69E+05
		MERCURY	µg/kg	2	4	50	1.10E+01	1.50E+01
		NICKEL	µg/kg	4	4	100	2.60E+03	1.78E+04
		VANADIUM	µg/kg	4	4	100	4.49E+04	1.35E+05
		ZINC	µg/kg	4	4	100	2.18E+04	1.26E+05
BOUNDRY-EAST	VOC	ACETONE	µg/kg	1	1	100	3.00E+01	3.00E+01
		BENZENE	µg/kg	3	5	60	4.35E+03	8.20E+04
		ETHYLBENZENE	µg/kg	1	5	20	5.72E+03	5.72E+03
		TOLUENE	µg/kg	2	5	40	1.20E+03	5.06E+04
		XYLENES(TOTAL)	µg/kg	2	5	40	1.37E+03	5.93E+04
EAST	VOC	ACETONE	µg/kg	4	7	57	1.40E+01	8.20E+01
	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	µg/kg	7	7	100	6.10E+02	2.30E+03
	METALS	ARSENIC	µg/kg	3	3	100	7.27E+02	1.83E+03
		BARIUM	µg/kg	3	3	100	8.02E+04	1.54E+05
		CHROMIUM	µg/kg	3	3	100	1.06E+04	2.12E+04
		CHROMIUM(VI)	µg/kg	2	3	67	1.13E+02	1.71E+02
		LEAD	µg/kg	3	3	100	4.85E+02	2.24E+03
LAS MAREAS	VOC	1,1,1-TRICHLOROETHANE	µg/kg	1	3	33	9.60E+00	9.60E+00
		1,1-DICHLOROETHANE	µg/kg	1	3	33	3.30E+00	3.30E+00
		2-BUTANONE	µg/kg	3	3	100	5.60E+00	1.70E+01
		ACETONE	µg/kg	3	3	100	1.10E+01	4.70E+01
		BENZENE	µg/kg	1	3	33	1.50E+00	1.50E+00
		CARBONDISULFIDE	µg/kg	3	3	100	1.70E+00	1.80E+01
		TETRACHLOROETHENE	µg/kg	1	3	33	5.90E+00	5.90E+00
		TOLUENE	µg/kg	2	3	67	1.40E+00	9.30E+00
	METALS	ARSENIC	µg/kg	3	3	100	3.10E+03	4.40E+03
		BARIUM	µg/kg	3	3	100	1.38E+04	1.01E+05
		CADMIUM	µg/kg	3	3	100	3.60E+02	1.30E+03
		CHROMIUM	µg/kg	3	3	100	5.10E+03	1.71E+04
		COBALT	µg/kg	3	3	100	5.00E+03	2.50E+04
		COPPER	µg/kg	3	3	100	1.28E+04	8.72E+04
		IRON	µg/kg	3	3	100	9.68E+06	4.62E+07
		LEAD	µg/kg	3	3	100	5.30E+02	1.28E+04
		MAGNESIUM	µg/kg	3	3	100	5.12E+06	1.68E+07

TABLE 2-5
Summary of Detected Constituents in Subsurface Soils (SB)

Grouping	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
		MANGANESE	µg/kg	3	3	100	2.22E+05	1.05E+06
		MERCURY	µg/kg	2	3	67	2.00E+01	3.40E+01
		NICKEL	µg/kg	3	3	100	2.00E+03	1.11E+04
		VANADIUM	µg/kg	3	3	100	4.07E+04	1.51E+05
		ZINC	µg/kg	3	3	100	1.64E+04	1.13E+05
ONSITE	VOC	1,1,1-TRICHLOROETHANE	µg/kg	1	73	1	1.60E+01	1.60E+01
		1,1,2-TRICHLOROETHANE	µg/kg	1	73	1	2.10E+04	2.10E+04
		2-BUTANONE	µg/kg	2	78	3	2.70E+01	4.30E+01
		ACETONE	µg/kg	43	73	59	1.20E+01	2.50E+04
		BENZENE	µg/kg	26	83	31	3.70E+00	5.70E+05
		CHLOROFORM	µg/kg	3	78	4	5.10E+00	6.40E+00
		ETHYLBENZENE	µg/kg	27	78	35	5.60E+01	2.30E+05
		METHYLENECHLORIDE	µg/kg	7	73	10	5.50E+00	3.70E+01
		O-XYLENE	µg/kg	1	1	100	1.61E+05	1.61E+05
		TOLUENE	µg/kg	18	78	23	2.60E+03	1.70E+05
		XYLENES(TOTAL)	µg/kg	32	78	41	1.30E+01	1.10E+06
	SVOC	2-METHYLNAPHTHALENE	µg/kg	4	33	12	1.30E+02	3.20E+03
		BENZO(A)PYRENE	µg/kg	1	33	3	2.60E+02	2.60E+02
		BENZO(B)FLUORANTHENE	µg/kg	3	33	9	1.60E+02	6.50E+02
		BENZO(G,H,I)PERYLENE	µg/kg	2	33	6	7.00E+02	3.40E+03
		BIS(2-ETHYLHEXYL)PHTHALATE	µg/kg	1	33	3	4.70E+02	4.70E+02
		CHRYSENE	µg/kg	3	33	9	1.50E+02	5.30E+02
		FLUORENE	µg/kg	2	33	6	1.30E+02	2.50E+02
		INDENO(1,2,3-CD)PYRENE	µg/kg	1	33	3	3.80E+02	3.80E+02
		NAPHTHALENE	µg/kg	3	33	9	2.10E+02	4.20E+03
		PHENANTHRENE	µg/kg	4	33	12	1.20E+02	6.30E+02
		PYRENE	µg/kg	1	33	3	1.10E+02	1.10E+02
	METALS	ALUMINUM	µg/kg	2	2	100	1.13E+07	1.34E+07
		ANTIMONY	µg/kg	2	2	100	4.60E+03	6.00E+03
		ARSENIC	µg/kg	19	23	83	6.02E+02	5.94E+03
		BARIUM	µg/kg	23	23	100	2.87E+04	6.66E+05
		BERYLLIUM	µg/kg	2	2	100	1.64E+03	1.72E+03
		CADMIUM	µg/kg	2	23	9	4.91E+02	4.45E+03
		CHROMIUM	µg/kg	20	23	87	7.14E+03	1.51E+05
		COBALT	µg/kg	2	2	100	1.61E+04	1.71E+04
		COPPER	µg/kg	2	2	100	6.65E+04	8.00E+04
		IRON	µg/kg	2	2	100	2.81E+07	3.21E+07
		LEAD	µg/kg	20	23	87	6.02E+02	4.40E+04
		MAGNESIUM	µg/kg	2	2	100	8.87E+06	9.93E+06
		MANGANESE	µg/kg	2	2	100	7.30E+05	8.20E+05
		MERCURY	µg/kg	3	23	13	7.90E+01	2.91E+02

TABLE 2-5
Summary of Detected Constituents in Subsurface Soils (SB)

Grouping	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
		NICKEL	µg/kg	2	2	100	4.30E+04	1.10E+05
		SELENIUM	µg/kg	1	23	4	5.48E+02	5.48E+02
		SILVER	µg/kg	13	23	57	5.26E+02	9.11E+02
		VANADIUM	µg/kg	2	2	100	1.86E+05	3.19E+05
		ZINC	µg/kg	2	2	100	1.11E+05	3.12E+05
	HERBICIDE	DALAPON	µg/kg	1	2	50	1.21E+01	1.21E+01
PRASA	VOC	1,1,1-TRICHLOROETHANE	µg/kg	3	4	75	5.80E-01	1.30E+00
		2-BUTANONE	µg/kg	2	4	50	6.50E+00	1.70E+01
		ACETONE	µg/kg	3	4	75	4.70E+01	7.30E+01
		BENZENE	µg/kg	2	4	50	1.90E+01	1.00E+04
		ETHYLBENZENE	µg/kg	1	4	25	2.50E+02	2.50E+02
		TOLUENE	µg/kg	2	4	50	1.60E+00	1.80E+03
		XYLENES (TOTAL)	µg/kg	2	4	50	5.90E+00	3.00E+03
	METALS	ANTIMONY	µg/kg	1	1	100	4.70E+02	4.70E+02
		ARSENIC	µg/kg	4	4	100	7.90E+02	3.20E+03
		BARIUM	µg/kg	4	4	100	3.35E+04	1.53E+05
		CADMIUM	µg/kg	4	4	100	7.80E+02	1.60E+03
		CHROMIUM	µg/kg	4	4	100	1.22E+04	1.65E+04
		COBALT	µg/kg	4	4	100	1.23E+04	2.48E+04
		COPPER	µg/kg	4	4	100	4.95E+04	8.96E+04
		IRON	µg/kg	4	4	100	3.63E+07	5.03E+07
		LEAD	µg/kg	4	4	100	1.10E+03	4.70E+03
		MAGNESIUM	µg/kg	4	4	100	7.15E+06	1.07E+07
		MANGANESE	µg/kg	4	4	100	6.90E+05	1.13E+06
		MERCURY	µg/kg	4	4	100	8.20E+00	1.70E+01
		NICKEL	µg/kg	4	4	100	7.00E+03	9.60E+03
		VANADIUM	µg/kg	4	4	100	8.48E+04	1.75E+05
		ZINC	µg/kg	4	4	100	5.64E+04	8.79E+04
SOUTH	VOC	ACETONE	µg/kg	4	10	40	2.20E+02	1.30E+04
	SVOC	BENZO(B)FLUORANTHENE	µg/kg	1	5	20	1.30E+02	1.30E+02
		CHRYSENE	µg/kg	1	5	20	2.40E+02	2.40E+02
		PHENANTHRENE	µg/kg	1	5	20	4.40E+02	4.40E+02
	METALS	ARSENIC	µg/kg	1	2	50	2.65E+03	2.65E+03
		BARIUM	µg/kg	2	2	100	1.28E+05	1.07E+06
		CHROMIUM	µg/kg	1	2	50	1.14E+04	1.14E+04
		LEAD	µg/kg	1	2	50	2.56E+03	2.56E+03
		SILVER	µg/kg	1	2	50	8.13E+02	8.13E+02
WEST	VOC	1,1,1-TRICHLOROETHANE	µg/kg	6	7	86	7.90E-01	1.20E+01
		2-BUTANONE	µg/kg	4	7	57	4.70E+00	9.00E+00
		ACETONE	µg/kg	7	7	100	9.80E+00	5.90E+01
		CARBONDISULFIDE	µg/kg	1	7	14	6.60E-01	6.60E-01

TABLE 2-5
Summary of Detected Constituents in Subsurface Soils (SB)

Grouping	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
		METHYLENECHLORIDE	µg/kg	1	7	14	7.50E-01	7.50E-01
		TOLUENE	µg/kg	2	7	29	1.10E+00	1.30E+00
	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	µg/kg	1	7	14	1.50E+02	1.50E+02
	METALS	ANTIMONY	µg/kg	1	1	100	4.80E+02	4.80E+02
		ARSENIC	µg/kg	6	7	86	1.80E+03	4.10E+03
		BARIUM	µg/kg	7	7	100	5.99E+04	1.83E+05
		CADMIUM	µg/kg	5	7	71	1.20E+03	1.70E+03
		CHROMIUM	µg/kg	6	7	86	1.30E+04	4.75E+04
		COBALT	µg/kg	5	5	100	1.98E+04	2.62E+04
		COPPER	µg/kg	5	5	100	7.42E+04	1.05E+05
		IRON	µg/kg	5	5	100	4.30E+07	4.79E+07
		LEAD	µg/kg	7	7	100	1.70E+03	9.27E+04
		MAGNESIUM	µg/kg	5	5	100	1.15E+07	1.60E+07
		MANGANESE	µg/kg	5	5	100	5.67E+05	1.67E+06
		MERCURY	µg/kg	5	7	71	6.40E+00	1.60E+01
		NICKEL	µg/kg	5	5	100	7.60E+03	1.08E+04
		SILVER	µg/kg	1	2	50	8.21E+02	8.21E+02
		VANADIUM	µg/kg	5	5	100	1.30E+05	1.67E+05
		ZINC	µg/kg	5	5	100	7.50E+04	9.83E+04

Notes:
For non-detect values, the value used is one-half the method detection limit.
Rejected values are not included in the calculations.

TABLE 2-6

Summary of Detected Constituents in Surface Water (SW)

Grouping	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
AES	METALS, TOTAL	ARSENIC, TOTAL	µg/L	1	1	100	1.70E+00	1.70E+00
		BARIUM, TOTAL	µg/L	1	1	100	1.90E+02	1.90E+02
		CHROMIUM, TOTAL	µg/L	1	1	100	9.60E-01	9.60E-01
		IRON, TOTAL	µg/L	1	1	100	1.90E+02	1.90E+02
		MAGNESIUM, TOTAL	µg/L	1	1	100	2.56E+05	2.56E+05
		MANGANESE, TOTAL	µg/L	1	1	100	6.70E+02	6.70E+02
		NICKEL, TOTAL	µg/L	1	1	100	4.30E+01	4.30E+01
		VANADIUM, TOTAL	µg/L	1	1	100	3.20E+00	3.20E+00
CHANNEL	VOC	METHANE	µg/L	12	20	60	2.00E+01	7.70E+02
		TERT-BUTYLMETHYLETHER	µg/L	4	25	16	1.50E+00	2.92E+01
		2-BUTANONE	µg/L	1	44	2	4.30E+00	4.30E+00
		ACETONE	µg/L	1	42	2	2.20E+00	2.20E+00
		BENZENE	µg/L	5	41	12	2.00E+00	3.70E+02
		BROMODICHLOROMETHANE	µg/L	1	44	2	2.30E-01	2.30E-01
		CARBONDISULFIDE	µg/L	3	44	7	5.30E+01	1.20E+02
		CHLOROFORM	µg/L	1	44	2	5.00E-01	5.00E-01
		ETHYLBENZENE	µg/L	2	45	4	5.70E-01	6.10E+00
		METHYLENECHLORIDE	µg/L	1	44	2	2.09E+01	2.09E+01
		TOLUENE	µg/L	4	45	9	1.70E+00	1.40E+01
		XYLENES(TOTAL)	µg/L	4	45	9	3.90E+00	6.10E+01
	SVOC	4-METHYLPHENOL	µg/L	1	38	3	3.00E+00	3.00E+00
		BIS(2-ETHYLHEXYL)PHTHALATE	µg/L	2	42	5	1.07E+01	1.54E+01
		BUTYLBENZYLPHTHALATE	µg/L	1	44	2	1.40E+00	1.40E+00
		DI-N-BUTYLPHTHALATE	µg/L	4	44	9	3.20E+00	7.10E+00
	METALS, TOTAL	ARSENIC, TOTAL	µg/L	5	44	11	1.00E+00	1.10E+01
		BARIUM, TOTAL	µg/L	27	41	66	1.00E+01	1.90E+03
		BERYLLIUM, TOTAL	µg/L	1	41	2	7.00E+00	7.00E+00
		CHROMIUM(VI), TOTAL	µg/L	1	29	3	1.10E+01	1.10E+01
		CHROMIUM, TOTAL	µg/L	13	43	30	9.30E-01	6.30E+02
		COBALT, TOTAL	µg/L	2	29	7	1.40E+00	2.60E+02
		COPPER, TOTAL	µg/L	12	40	30	1.00E+01	1.30E+03
		IRON, TOTAL	µg/L	33	35	94	2.90E+02	5.25E+04
		LEAD, TOTAL	µg/L	12	42	29	2.50E+00	3.70E+02
		MAGNESIUM, TOTAL	µg/L	37	37	100	6.00E+03	7.14E+04
		MANGANESE, TOTAL	µg/L	35	36	97	4.00E+01	2.67E+03
		MERCURY, TOTAL	µg/L	2	44	5	7.90E-01	8.80E-01
		NICKEL, TOTAL	µg/L	25	40	63	3.90E+01	1.20E+03
		SELENIUM, TOTAL	µg/L	2	41	5	1.00E+00	5.10E+00
		VANADIUM, TOTAL	µg/L	29	41	71	1.70E+01	5.10E+03
		ZINC, TOTAL	µg/L	26	35	74	2.00E+01	2.60E+03

TABLE 2-6

Summary of Detected Constituents in Surface Water (SW)

Grouping	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
	DISMET	BARIUM, DISSOLVED	µg/L	38	44	86	2.00E+01	7.30E+02
		CHROMIUM, DISSOLVED	µg/L	1	41	2	1.00E+01	1.00E+01
		COBALT, DISSOLVED	µg/L	1	29	3	1.10E+00	1.10E+00
		IRON, DISSOLVED	µg/L	16	23	70	4.20E+01	9.00E+03
		LEAD, DISSOLVED	µg/L	3	41	7	2.00E+00	3.70E+00
		MAGNESIUM, DISSOLVED	µg/L	25	25	100	1.44E+04	5.80E+04
		MANGANESE, DISSOLVED	µg/L	35	36	97	2.00E+01	2.56E+03
		MERCURY, DISSOLVED	µg/L	1	38	3	3.80E-01	3.80E-01
		NICKEL, DISSOLVED	µg/L	20	41	49	3.90E+01	1.10E+03
		SELENIUM, DISSOLVED	µg/L	4	39	10	5.40E+00	5.87E+01
		VANADIUM, DISSOLVED	µg/L	21	41	51	1.40E+01	8.00E+02
		ZINC, DISSOLVED	µg/L	29	38	76	1.00E+01	3.10E+02
DITCHES	VOC	METHANE	µg/L	7	8	88	1.00E+01	1.30E+02
		TERT-BUTYLMETHYLETHER	µg/L	2	5	40	1.50E+00	2.40E+00
		BENZENE	µg/L	6	25	24	1.80E+00	1.60E+02
		ETHYLBENZENE	µg/L	3	25	12	1.60E+00	2.82E+02
		O-XYLENE	µg/L	1	8	13	2.62E+02	2.62E+02
		TOLUENE	µg/L	4	25	16	1.14E+01	1.30E+02
		XYLENES (TOTAL)	µg/L	5	25	20	1.30E+00	1.05E+03
HOLDING POND	VOC	ACETONE	µg/L	3	3	100	4.00E+00	6.40E+00
		METHYLENECHLORIDE	µg/L	3	3	100	1.70E+00	2.00E+00
	SVOC	BIS(2-ETHYLHEXYL)PHTHALATE	µg/L	1	3	33	1.80E+01	1.80E+01
	METAL, TOTAL	CHROMIUM (VI), TOTAL	µg/L	1	3	33	1.10E+01	1.10E+01
		CHROMIUM, TOTAL	µg/L	2	3	67	3.70E+01	6.51E+01
		IRON, TOTAL	µg/L	3	3	100	3.64E+02	3.00E+03
		LEAD, TOTAL	µg/L	1	3	33	3.50E+00	3.50E+00
		MAGNESIUM, TOTAL	µg/L	3	3	100	8.88E+03	1.07E+04
		MANGANESE, TOTAL	µg/L	3	3	100	9.36E+01	2.41E+02
		NICKEL, TOTAL	µg/L	3	3	100	4.08E+01	9.85E+01
		VANADIUM, TOTAL	µg/L	3	3	100	2.18E+02	2.78E+02
		ZINC, TOTAL	µg/L	3	3	100	5.80E+01	1.97E+02
	DISMET	BARIUM, DISSOLVED	µg/L	3	3	100	3.35E+02	5.37E+02
		MAGNESIUM, DISSOLVED	µg/L	3	3	100	7.65E+03	7.75E+03
		VANADIUM, DISSOLVED	µg/L	3	3	100	1.82E+02	1.86E+02
		ZINC, DISSOLVED	µg/L	3	3	100	5.20E+01	5.91E+01

Notes:
For non-detect values, the value used is one-half the method detection limit.
Rejected values are not included in the calculations.

TABLE 2-7
Summary of Detected Constituents in Sediment (SD)

Area Group	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
AES	VOC	1,1,1-TRICHLOROETHANE	µg/kg	14	20	70	6.50E-01	2.80E+00
		1,1-DICHLOROETHANE	µg/kg	1	20	5	1.20E+00	1.20E+00
		2-BUTANONE	µg/kg	11	20	55	5.70E+00	2.40E+01
		ACETONE	µg/kg	15	20	75	6.50E+00	1.10E+02
		BENZENE	µg/kg	1	20	5	7.80E-01	7.80E-01
		METHYLENECHLORIDE	µg/kg	3	20	15	1.50E+00	2.10E+00
		TETRACHLOROETHENE	µg/kg	1	20	5	4.40E+00	4.40E+00
		TOLUENE	µg/kg	4	20	20	1.20E+00	4.10E+00
	METALS	ANTIMONY	µg/kg	8	8	100	5.10E+02	7.60E+02
		ARSENIC	µg/kg	20	20	100	1.80E+03	9.00E+03
		BARIUM	µg/kg	20	20	100	6.25E+04	1.67E+05
		BERYLLIUM	µg/kg	2	20	10	1.20E+02	1.70E+02
		CADMIUM	µg/kg	12	20	60	8.30E+02	2.10E+03
		CHROMIUM	µg/kg	20	20	100	8.80E+03	1.56E+04
		COBALT	µg/kg	20	20	100	1.34E+04	2.49E+04
		COPPER	µg/kg	20	20	100	5.19E+04	1.07E+05
		IRON	µg/kg	20	20	100	2.49E+07	4.87E+07
		LEAD	µg/kg	20	20	100	1.70E+03	1.42E+04
		MAGNESIUM	µg/kg	20	20	100	1.09E+07	2.55E+07
		MANGANESE	µg/kg	20	20	100	6.01E+05	1.48E+06
		MERCURY	µg/kg	20	20	100	7.90E+00	2.00E+01
		NICKEL	µg/kg	20	20	100	7.20E+03	1.01E+04
		VANADIUM	µg/kg	20	20	100	8.17E+04	1.50E+05
		ZINC	µg/kg	20	20	100	5.38E+04	1.02E+05
CHANNEL	VOC	TERT-BUTYLMETHYLETHER	µg/kg	2	28	7	1.40E+00	2.58E+01
		1,2-DICHLOROETHANE	µg/kg	2	55	4	1.30E+00	4.20E+00
		2-BUTANONE	µg/kg	14	55	25	1.80E+00	4.70E+01
		ACETONE	µg/kg	29	54	54	1.13E+01	4.80E+02
		BENZENE	µg/kg	6	54	11	2.00E+00	1.20E+03
		BROMODICHLOROMETHANE	µg/kg	1	55	2	2.20E+01	2.20E+01
		CARBONDISULFIDE	µg/kg	14	55	25	1.00E+00	3.90E+01
		METHYLENECHLORIDE	µg/kg	4	55	7	1.30E+00	2.50E+01
		O-XYLENE	µg/kg	1	21	5	1.00E+00	1.00E+00
		TOLUENE	µg/kg	2	54	4	6.70E+00	2.80E+01
		XYLENES (TOTAL)	µg/kg	3	55	5	5.00E+00	2.10E+01
	SVOC	2, 4, 6-TRICHLOROPHENOL	µg/kg	1	46	2	5.10E+02	5.10E+02
		BENZO(A)PYRENE	µg/kg	4	53	8	1.50E+02	4.79E+02
		BENZO(B)FLUORANTHENE	µg/kg	4	53	8	3.02E+02	5.60E+02
		BENZO(G, H, I)PERYLENE	µg/kg	6	53	11	1.30E+02	1.00E+04
		BENZOICACID	µg/kg	1	45	2	8.47E+02	8.47E+02

TABLE 2-7
Summary of Detected Constituents in Sediment (SD)

Area Group	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
		CHRYSENE	µg/kg	4	53	8	7.60E+01	5.80E+02
		DIBENZ(A, H)ANTHRACENE	µg/kg	2	53	4	9.70E+01	6.32E+02
		DI-N-BUTYLPHTHALATE	µg/kg	1	53	2	2.38E+02	2.38E+02
		INDENO(1,2,3-CD)PYRENE	µg/kg	3	53	6	1.30E+02	1.26E+03
		PHENANTHRENE	µg/kg	2	52	4	8.70E+01	1.90E+02
		PYRENE	µg/kg	3	51	6	9.29E+01	1.20E+02
		PYRIDINE	µg/kg	1	38	3	5.29E+01	5.29E+01
	PCB	AROCLOR-1248	µg/kg	3	20	15	2.80E+01	2.00E+02
		AROCLOR-1260	µg/kg	1	19	5	1.60E+01	1.60E+01
	METALS	ANTIMONY	µg/kg	5	41	12	3.00E+03	9.00E+03
		ARSENIC	µg/kg	48	56	86	9.30E+02	7.16E+03
		BARIUM	µg/kg	54	57	95	1.00E+04	2.50E+05
		BERYLLIUM	µg/kg	6	45	13	2.00E+02	7.40E+02
		CADMIUM	µg/kg	20	56	36	3.90E+02	2.43E+03
		CHROMIUM	µg/kg	54	57	95	2.40E+03	1.87E+06
		CHROMIUM (VI)	µg/kg	9	25	36	2.77E+02	3.24E+04
		COBALT	µg/kg	27	31	87	3.60E+03	1.24E+04
		COPPER	µg/kg	43	46	93	9.00E+03	1.40E+05
		IRON	µg/kg	43	43	100	3.57E+06	6.52E+07
		LEAD	µg/kg	57	57	100	2.55E+01	9.61E+04
		MAGNESIUM	µg/kg	37	37	100	1.45E+06	8.49E+06
		MANGANESE	µg/kg	43	43	100	7.40E+04	2.05E+06
		MERCURY	µg/kg	20	55	36	2.30E+01	7.50E+02
		NICKEL	µg/kg	41	46	89	5.10E+03	1.99E+05
		SELENIUM	µg/kg	17	56	30	5.00E+02	1.00E+04
		VANADIUM	µg/kg	44	46	96	3.00E+03	3.93E+05
		ZINC	µg/kg	44	46	96	4.90E+03	4.21E+05
HOLDING POND	VOC	2-BUTANONE	µg/kg	2	6	33	7.40E+00	1.82E+01
		ACETONE	µg/kg	5	6	83	4.88E+01	8.94E+02
		CARBONDISULFIDE	µg/kg	6	6	100	2.30E+00	8.09E+01
		O-XYLENE	µg/kg	2	6	33	1.90E+00	2.40E+00
		VINYLACETATE	µg/kg	1	6	17	1.40E+00	1.40E+00
		XYLENES (TOTAL)	µg/kg	2	6	33	3.50E+00	6.00E+00
	SVOC	BENZO(A)PYRENE	µg/kg	4	6	67	1.37E+02	3.18E+02
		BENZO(B)FLUORANTHENE	µg/kg	4	6	67	1.53E+02	3.23E+02
		BENZO(G,H,I)PERYLENE	µg/kg	5	6	83	7.93E+01	4.50E+02
		BIS(2-ETHYLHEXYL)PHTHALATE	µg/kg	1	6	17	3.24E+02	3.24E+02
		CHRYSENE	µg/kg	4	6	67	2.05E+02	3.73E+02
		FLUORENE	µg/kg	3	6	50	1.20E+02	7.83E+02
		INDENO(1,2,3-CD)PYRENE	µg/kg	2	6	33	8.16E+01	9.92E+01
		PHENANTHRENE	µg/kg	2	6	33	5.00E+02	6.75E+02

TABLE 2-7
Summary of Detected Constituents in Sediment (SD)

Area Group	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
		PYRENE	µg/kg	2	6	33	9.59E+01	1.36E+02
	METALS	ARSENIC	µg/kg	4	6	67	6.70E+02	2.00E+03
		BARIUM	µg/kg	6	6	100	3.80E+04	7.04E+04
		CADMIUM	µg/kg	6	6	100	5.60E+02	1.70E+03
		CHROMIUM	µg/kg	6	6	100	7.41E+04	8.66E+05
		CHROMIUM (VI)	µg/kg	4	6	67	1.15E+04	3.60E+04
		COBALT	µg/kg	6	6	100	6.60E+03	1.15E+04
		COPPER	µg/kg	6	6	100	3.36E+04	5.16E+04
		IRON	µg/kg	6	6	100	8.96E+06	2.02E+07
		LEAD	µg/kg	6	6	100	2.70E+03	2.79E+04
		MAGNESIUM	µg/kg	6	6	100	3.09E+06	7.36E+06
		MANGANESE	µg/kg	6	6	100	2.86E+05	4.95E+05
		MERCURY	µg/kg	6	6	100	4.40E+01	3.40E+02
		NICKEL	µg/kg	6	6	100	3.10E+04	2.17E+05
		SELENIUM	µg/kg	1	6	17	4.60E+02	4.60E+02
		VANADIUM	µg/kg	6	6	100	1.20E+05	3.99E+05
		ZINC	µg/kg	6	6	100	1.25E+05	1.01E+06
ONSITE	VOC	2-BUTANONE	µg/kg	1	18	6	7.70E+01	7.70E+01
		ACETONE	µg/kg	10	13	77	2.70E+02	2.20E+03
		BENZENE	µg/kg	3	18	17	2.60E+00	4.90E+04
		CARBONDISULFIDE	µg/kg	4	16	25	2.10E+01	2.70E+02
		CHLOROFORM	µg/kg	2	18	11	5.10E+00	5.10E+00
		ETHYLBENZENE	µg/kg	3	16	19	3.40E+02	3.20E+04
		XYLENES (TOTAL)	µg/kg	3	16	19	6.00E+01	1.00E+05
	SVOC	2-METHYLNAPHTHALENE	µg/kg	1	7	14	9.20E+03	9.20E+03
		ANTHRACENE	µg/kg	2	16	13	4.70E+02	8.10E+02
		BENZO(A)ANTHRACENE	µg/kg	1	16	6	1.80E+03	1.80E+03
		BENZO(A)PYRENE	µg/kg	4	16	25	5.30E+02	1.00E+04
		BENZO(B)FLUORANTHENE	µg/kg	7	16	44	2.50E+03	1.80E+04
		BENZO(G,H,I)PERYLENE	µg/kg	5	13	38	1.20E+03	5.60E+04
		BIS(2-ETHYLHEXYL)PHTHALATE	µg/kg	2	16	13	2.00E+03	3.80E+03
		CHRYSENE	µg/kg	7	16	44	2.50E+03	1.30E+04
		FLUORANTHENE	µg/kg	2	16	13	6.80E+02	8.50E+02
		FLUORENE	µg/kg	8	13	62	1.30E+03	1.00E+04
		INDENO(1,2,3-CD)PYRENE	µg/kg	2	13	15	5.90E+03	7.40E+03
		NAPHTHALENE	µg/kg	1	16	6	7.70E+03	7.70E+03
		PHENANTHRENE	µg/kg	9	16	56	3.30E+02	3.00E+04
		PYRENE	µg/kg	4	16	25	4.20E+02	2.00E+04
	METALS	ARSENIC	µg/kg	13	13	100	3.30E+02	2.66E+04
		BARIUM	µg/kg	13	13	100	2.57E+04	3.25E+05
		CADMIUM	µg/kg	8	13	62	4.10E+02	8.67E+03

TABLE 2-7
Summary of Detected Constituents in Sediment (SD)

Area Group	Chemical Group	Constituent	Units	Number of Detects	Number of Analyses	Percent Detects	Minimum Detected Value	Maximum Detected Value
		CHROMIUM	µg/kg	13	13	100	2.90E+04	3.09E+06
		CHROMIUM (VI)	µg/kg	1	3	33	7.75E+02	7.75E+02
		COBALT	µg/kg	3	3	100	5.60E+03	7.70E+03
		COPPER	µg/kg	3	3	100	2.01E+04	3.18E+04
		LEAD	µg/kg	12	13	92	2.51E+04	3.51E+05
		MERCURY	µg/kg	13	13	100	1.35E+02	6.88E+03
		NICKEL	µg/kg	3	3	100	1.08E+05	1.75E+05
		SELENIUM	µg/kg	11	13	85	1.10E+02	1.27E+04
		VANADIUM	µg/kg	3	3	100	1.49E+05	2.36E+05
		ZINC	µg/kg	3	3	100	3.31E+05	3.84E+05

Notes:
For non-detect values, the value used is one-half the method detection limit.
Rejected values are not included in the calculations.

SECTION 3.0

Human Health Risk Assessment

A refined baseline human health risk assessment (HHRA) was conducted to evaluate potential risks to human receptors who may be exposed to environmental media at the CPCPRC site (Figure 3-1). The objective of a baseline HHRA is to analyze the potential "baseline risk" (i.e., the risk that could occur if no action is taken to remediate the site) under current and future land-use conditions.

This HHRA was prepared in accordance with standard EPA guidelines for risk assessment (e.g., EPA, 1989a) and has been refined considering EPA comments on previous submittals. Detailed presentation of the relevant previous CPCPRC documents, EPA comments on those documents, and other related correspondence was presented in Section 1.0 of this report.

The steps involved in preparing this HHRA are presented graphically in Figure 3-2 and are described below:

- **Description of Site.** A brief description of the CPCPRC site and land surrounding the site is provided. Further details of the site conditions can be found in the *RFI Report* (July 1999).
- **Hazard Identification.** Hazard identification includes evaluating the sampling and analytical data for use in the risk assessment (RA), and identifying the chemicals of concern (COCs). The COCs are the facility-related chemicals that have the greatest potential to pose unacceptable risks to human receptors who might come in contact with environmental media. The hazard identification step is presented in Section 3.2.
- **Exposure Assessment.** An exposure assessment is conducted to evaluate potential exposure pathways and the potential magnitude of exposures to COCs at the CPCPRC site. Estimates of exposure are developed for current and future land-use conditions. The exposure assessment involves identifying potentially exposed human populations and pathways of exposure, estimating exposure point concentrations (EPCs) for specific pathways, and estimating chemical intakes. This step is discussed in Section 3.3.
- **Toxicity Assessment.** Toxicity assessment involves identifying toxicity values that were used to evaluate the potential for adverse health effects at estimated exposure levels. This step is discussed in Section 3.4.
- **Risk Characterization.** Risk characterization combines the results of the exposure and toxicity assessments to characterize (quantify) potential health risks by comparing estimated risks for the potential receptors and exposure pathways to acceptable risk levels. A summary of the estimated risks for the potential receptors and exposure pathways and a comparison to acceptable risk levels is provided in Section 3.5.
- **Uncertainty Assessment.** Section 3.6 discusses the uncertainty associated with respect to the four steps of the HHRA process.

Figure 3-1 – CPC Puerto Rico Core Facility

Figure 3-2 Steps Involved in Preparing This HHRA

3.1 Description of Site and Surrounding Area

The CPCPRC facility is a 211-acre petrochemical plant located on the southeast coast of Puerto Rico (Figure 3-1) centered at approximately 17°56'45" north latitude and 66°08'30" west longitude. CPCPRC is located approximately a quarter mile north of the Caribbean Sea.

CPCPRC processed naphtha into light hydrocarbon products by fractional distillation and other processes prior to recent process modifications. Benzene, toluene, xylenes, cyclohexane, liquid petroleum gas, gasoline, and other products are produced at CPCPRC. Currently, the facility receives mixed xylenes that are converted to para-xylene. The primary light hydrocarbon products are pumped through a pipeline to the tanker-loading terminal at Las Mareas Harbor. The gasoline is distributed to destinations around Puerto Rico by tanker trucks through a truck-loading area on the eastern side of the CPCPRC facility and barges from the harbor facility.

CPCPRC was constructed in 1966 on land previously graded and used for sugar cane cultivation. Elevations range from 45 feet above mean sea level (msl) at the northern portion of CPCPRC, to less than 5 feet msl at the southern boundary. A manmade harbor, Las Mareas Harbor, was built about a half mile southwest of the main operation area to receive and ship products for CPCPRC. There are two out-of-service ballast water ponds (one never used) in the Las Mareas Harbor area. These ponds were addressed in a closure document (Closure Plan for the Ballast Water Basins, March 2004) that was approved by EPA on July 20, 2004.

Surface drainage across the CPCPRC facility enters one of five stormwater runoff collection or diversion systems (*RFI Report*, July 1999). Runoff is then either contained in the Storm Water Pond or enters one of several permitted NPDES outfalls as described in the *RFI Report* (July 1999). Water that enters the Storm Water Pond then flows into the Holding Pond for later treatment in the onsite Industrial Water Treatment Plant (IWTP). The NPDES outfalls discharge to the manmade earthen Effluent Channel located along the southern border of the CPCPRC facility (*RFI Report*, July 1999). Along CPCPRC's portion of the Effluent Channel (i.e., directly south of the facility), the permitted discharge accounts for the majority of flow.

West of the CPCPRC property, CPCPRC's permitted discharge commingles with discharges from Ayerst Wyeth Pharmaceutical and stormwater runoff from Advanced Energy System's (AES) coal-fired power plant, and then ultimately discharges to the Caribbean Sea at Las Mareas Harbor.

In the past, the land surrounding the facility was used mainly for sugar cane production. Currently, PRASA operates a wastewater treatment plant east of the facility. Several industrial facilities are located north of Highway 3 (approximately a half mile north of the facility). These include Ayerst Wyeth Pharmaceuticals, Inc. (AWPI), Baxter and IPR Pharmaceutical Company and the former Fibers facility (a listed Superfund site). A Puerto Rico Department of Corrections facility is located directly northwest of the AWPI plant and houses a population of approximately 600 inmates.

AP Industries, Inc. (formerly the location of SmithKline & Beecham laboratories, as well as ChemSource, Inc.) is located near the northwest corner of the West Cane Field (current AES

power plant area) approximately a half mile west of the facility. Directly west of the facility, AES constructed and operates a coal-fired power plant in the area previously referenced as the "West Cane field" in earlier reports.

Similar to the CPCPRC site, the pre-construction topography of the AES area sloped to the south with elevations at about 24 feet above msl in the north and about 5 feet above msl at the southern property boundary. Construction of the AES coal-fired power plant began in November 1999 and included complete removal of all vegetation in the West Cane Field. Following this site preparation work, AES transported, placed, and compacted, fill material. The fill was placed to raise and level the area and, therefore, more fill was placed in the southern portions of the facility than in the northern portions. Based on discussion with AES during January-February 2001, about 8 feet of fill was placed at the southern edge and little to no fill was placed along the northern edge of the property. Construction of the power facility was then started on the compacted and graded fill. Only a small portion of the AES property has remained undeveloped. This area runs along AES's southern fence line. The AES property is fenced and guarded 24-hours a day.

The town of Guayama, located northeast of the facility, is the largest population center in the area. The population of the Guayama Municipio is approximately 42,000. The permanent population within a 2-mile radius of the facility is small and generally is employed by the industrial facilities surrounding CPCPRC, the government, or the fishing industry.

In the mid-1960s, all the inhabitants of Las Mareas were relocated to the village of Barrancas, approximately 2 miles northeast. The population of Barrancas is approximately 4,500. Las Mareas subsequently was re-inhabited and approximately 30 to 35 small dwellings are currently occupied.

3.2 Hazard Identification

The hazard identification step was performed so that appropriate and reliable data are carried through the quantitative steps of the HHRA. This section provides the sources of the sampling and analytical data and describes how the data were selected and evaluated for use in the risk assessment. This section also describes the process used to select COCs.

3.2.1 Data Sources Used for HHRA

The facility has been thoroughly characterized through sampling of various solid and aqueous media. During these characterization activities (see Section 2.0), samples have been collected from nearly 400 unique locations, some of which were sampled multiple times(i.e., wells and sediment and surface water in the Effluent Channel). Of these total locations, collection efforts included more than 60 surface soil samples (0 to 2 feet), nearly 150 subsurface soils (> 2 feet), and about 70 sediment samples, in addition to the installation of 100 permanent wells and 418 Geoprobe™ investigations.

Comprehensive organic and inorganic analyses have been performed on the sampled media. More than 400 unique chemical constituents have been analyzed for at the facility since 1987 and data used in the RAs (both human health and ecological) is current through December 2003. A vast majority of the constituents analyzed for have never been detected at the facility. The data used in the HHRA were previously described in Section 2.0.

The locations of the samples used in the HHRA are presented in figures contained within this section and are presented later as part of the data grouping discussion.

As stated previously, for surface water, sediment, and groundwater, multiple samples were collected as part of twelve semiannual monitoring events initiated in June 1998. At those locations where multiple sampling events have occurred, each sample was used in the risk assessment and each sample was treated as a separate observation. Both total and dissolved concentrations of inorganic chemicals were available for groundwater and surface water; however, total concentrations were used in the risk calculations in accordance with EPA guidance (EPA, 2001c).

All of the data used in this HHRA went through the data validation process and were considered of sufficient quality for risk assessment. EPA was previously provided with data validation reports for data through December 1999 in the July 1999 *RFI Report* and the revised CMS Work Plan. Data validation reports are provided herein (Appendix C, C-1) for data used in the HHRA that were collected after December 1999.

All field and laboratory quality assurance/quality control (QA/QC) data, such as surrogate recoveries, equipment blanks, field blanks, trip blanks, and duplicates were separated from original samples in the database. These data were used, as appropriate, to perform data validation and to determine data usability but were not used in the risk calculations. As a result of data validation, data qualifier codes were added to the original sample data, as necessary.

3.2.2 Selection of Chemicals of Concern

Preliminary chemicals of potential concern (COPCs) were selected for the HHRA by comparing all detected concentrations of chemicals in each medium for each exposure area to preliminary remediation goals (PRGs) based on the exposure pathways that were identified in the exposure assessment (presented later in this section). If even one detected concentration for a chemical exceeded the PRG, the chemical was considered a preliminary COPC. Other factors were then evaluated to determine if the COPC should be considered a COC that would be carried through the quantitative risk calculations (Figure 3-2). The factors used to disqualify COPCs as COCs were:

1. Chemical was detected in less than 5 percent of the samples.
2. Chemical concentration was found to have no statistically significant difference, was nominally different (p=0.05), or was significantly lower than background samples (Appendix A, Statistical Analysis of Metals in Surface Soils).
3. The maximum detected value for the metal in sediment or subsurface soil was below the background maximum detected value for surface soils. Background values were not available for subsurface soil and sediment. Background surface soil values were used for subsurface soil and sediment.
4. Phosphorous and Phosphorus, Total – Consistent with rationale presented in *Draft Risk Characterization Report* (July 2001), phosphorous was eliminated since the PRG for this chemical is based on white phosphorous, which is unstable in the natural environment and is not expected to be present in the surface or groundwaters. The form of phosphorous commonly found in nature is phosphate.

Chemicals that were never detected in any media at CPCPRC were removed from COPC consideration. This means that any chemical that was detected, even if only one time, was compared to PRGs. According to EPA guidance, chemicals with a low frequency of detection (typically 5 percent) may be eliminated as COPCs (EPA, 1989a). However, by comparing all detected chemicals to PRGs, an additional degree of conservatism has been added to the CPCPRC risk characterization.

The following section describes the exposure factors and formulas used to calculate the PRGs that were used in selecting COPCs. In addition, summaries of the COPCs and COCs are provided. The exposure factors and formulas presented consider EPA comments on previous risk assessment-related submittals and EPA comments on the Closure Plan for the Ballast Water Basins (March 2004).

Exposure Factors Used to Calculate PRGs

PRGs were calculated for the following exposure pathways (see Exposure Assessment presented later in this section):

- Industrial workers potentially exposed to surface soil (IW_SS) through incidental ingestion, dermal contact, and inhalation of particulates, VOCs, and mercury
- Construction workers potentially exposed to shallow groundwater (CW_GWS) through incidental ingestion, dermal contact, and inhalation of VOCs, and mercury
- Construction workers potentially exposed to subsurface soil (CW_SB), surface soil (CW_SS), or onsite sediment and AES area sediment (CW_SD) through incidental ingestion, dermal contact, and inhalation of particulates, VOCs, and mercury
- Maintenance workers potentially exposed to surface water (MW_SW) in the Effluent Channel, the small stormwater conveyance ditches, and Holding Pond through incidental ingestion, dermal contact, and inhalation of VOCs and mercury
- Maintenance workers potentially exposed to sediment (MW_SD) in the Effluent Channel and Holding Pond through incidental ingestion, dermal contact, and inhalation of particulates, VOCs, and mercury
- Trespassers potentially exposed to Effluent Channel, ditches, and AES area surface water (TRES_SW) through incidental ingestion, dermal contact, and inhalation of VOCs and mercury
- Trespassers potentially exposed to Effluent Channel and AES area sediment (TRES_SD) through incidental ingestion, dermal contact, and inhalation of particulates, VOCs and mercury
- Offsite residents potentially exposed to shallow or deep groundwater (RES_GWS and RES_GWD) through ingestion, dermal contact, and inhalation of VOCs and mercury

The exposure factors used to calculate the PRGs for the exposure pathways described above were based on EPA default values, site-specific information, agreement reached with EPA during comment and response to comment on previous submittals, and the RA presented in the Closure Plan for the Ballast Water Basin (March 2004). The exposure factors used in the PRG calculations are summarized in Table 3-1.

TABLE 3-1
Exposure Factors

Parameter	Units	CW_GWS	CW_SD CW_SS CW_SB	IW_SS	RES_GWD RES_GWS	TRES_EFF_SW	TRES_EFF_SD	MW_SW	MW_SD
Target Excess Lifetime Cancer Risk (TR)	--	1.00E-06[a]	1.00E-06[a]	1.00E-06[a]	1.00E-06[a]	1.00E-06[a]	1.00E-06[a]	1.00E-06[a]	1.00E-06[a]
Target Hazard Index (THI)	--	0.1[L]	0.1[L]	0.1[L]	0.1[L]	0.1[L]	0.1[L]	0.1[L]	0.1[L]
Body Weight Adult (BWa)	kg	70[a]	70[a]	70[a]	70[a]	70[a]	70[a]	70[a]	70[a]
Body Weight Child (BWc)	kg	--	--	--	15[a]	15[a]	15[a]	--	--
Averaging Time, Cancer (ATc)	yrs	70[a]	70[a]	70[a]	70[a]	70[a]	70[a]	70[a]	70[a]
Averaging Time, Non-Cancer (ATn)	yrs	1[b]	1[b]	25[a]	30[a]	30[a]	30[a]	25[a]	25[a]
Averaging Time, Non-Cancer – Child (ATn-c)	yrs	--	--	--	6[a]	6[a]	6[a]	--	--
Exposure Frequency (EF)	days/yr	25[c]	250[a]	250[a]	350[a]	350[a]	350[a]	20[k]	20[k]
Exposure Time (ET)	hrs	8[d]	8[d]	NA	0.58/ 1[h]	1[d]	1[d]	8[d]	8[d]
Exposure Duration (ED)	yrs	1[b]	1[b]	25[a]	30[a]	30[a]	30[a]	25[a]	25[a]
Exposure Duration – Child (ED-c)	yrs	--	--	--	6[a]	6[a]	6[a]	--	--
Water Ingestion Rate – Adult (IRw)	L/day	0.04[e]	NA	NA	2[a]	0.083[e]	NA	0.04[e]	NA
Water Ingestion Rate (IRw) – age adjusted	L-yr/Kg-day	--	--	--	1.09	0.045	--	--	--
Water Ingestion Rate – Child (IRw-c)	L/day	--	--	--	1[a]	0.042[e]	--	--	--
Soil Ingestion Rate – Adult (IRs)	mg/day	NA	330[f]	100[f]	NA	NA	100[a]	NA	330[f]
Soil Ingestion Rate (IRs) – age adjusted	mg-yr/Kg-day	--	--	--	--	--	114	--	--
Soil Ingestion Rate – Child (IRs-c)	mg/day	--	--	--	--	--	200[a]	--	--
Air Inhalation Rate – Adult (IRa)	M^3/day	20[a]	20[a]	20[a]	20[a]	0.833[m]	0.833[m]	20[a]	20[a]
Air Inhalation Rate (IRa) – age adjusted	M^3-yr/Kg-day	--	--	--	10.86	0.45	0.45	--	--
Air Inhalation Rate – Child (IRa-c)	M^3/day	--	--	--	10[a]	0.42[m]	0.42[m]	--	--
Particulate Emission Factor (PEF)	M^3/kg	NA	7.24E+07[g]	4.23E+08[g]	NA	NA	2.39E+09[g]	NA	4.98E+06[g]
Volatilization Factor, Water (K)	L/m^3	0.5[a]	NA	NA	0.5[a]	0.5[a]	NA	0.5[a]	NA
Volatilization Factor, Soil (VF)	M^3/kg	NA	chem-spec[i]	chem-spec[i]	NA	NA	chem-spec[i]	NA	chem-spec[i]
Skin Surface Area – Adult (SA)	cm^2/day	3300[h]	3300[h]	3300[h]	18000[h]	13605[n]	7610[n]	3300[h]	3300[h]
Skin Surface Area (SA) – age adjusted	cm^2-yr/Kg-day	--	--	--	8811	7305	447[o]	--	--
Skin Surface Area – Child (SA)	cm^2/day	--	--	--	6600[h]	6600[h]	3300[j]	--	--
Adherence Factor Adult (AF)	mg/cm^2	NA	0.3[h]	0.2[h]	NA	NA	0.07[h]	NA	0.3[h]
Adherence Factor age adjusted (AF)	mg/cm^2-yr	--	--	--	--	--	0.096	--	--
Adherence Factor Child (AF)	mg/cm^2	--	--	--	--	--	0.2[h]	--	--

TABLE 3-1
Exposure Factors

Parameter	Units	CW_GWS	CW_SD CW_SS CW_SB	IW_SS	RES_GWD RES_GWS	TRES_EFF_SW	TRES_EFF_SD	MW_SW	MW_SD
Absorption Factor, Metals (ABSm)	--	NA	chem-spec[i]	chem-spec[i]	NA	NA	chem-spec[i]	NA	chem-spec[i]
Absorption Factor, SVOA (ABSs)	--	NA	chem-spec[i]	chem-spec[i]	NA	NA	chem-spec[i]	NA	chem-spec[i]
Absorption Factor, VOA (ABSv)	--	NA	chem-spec[i]	chem-spec[i]	NA	NA	chem-spec[i]	NA	chem-spec[i]
Dermal Permeability, Metals (PCm)	cm/hr	chem-spec[i]	NA	NA	chem-spec[i]	chem-spec[i]	NA	chem-spec[i]	NA
Dermal Permeability, SVOA (PCs)	cm/hr	chem-spec[i]	NA	NA	chem-spec[i]	chem-spec[i]	NA	chem-spec[i]	NA
Dermal Permeability, VOA (PCv)	cm/hr	chem-spec[i]	NA	NA	chem-spec[i]	chem-spec[i]	NA	chem-spec[i]	NA

References/Notes

[a] EPA, 1991. U.S. Environmental Protection Agency. Risk Assessment Guidance for Superfund, Human Health Evaluation Manual, Part B, "Development of Risk-based Preliminary Remediation Goals. OWSER Directive 9285.7-01B. December. Age-adjusted scenarios assume 24 years as an adult and 6 years as a child.

[b] Professional Judgment 1. Length of construction projects assumed to be not more than one year.

[c] Professional Judgment 2. Exposure to groundwater by construction workers is assumed to occur on 10 percent of the working days or, 25 days.

[d] Professional Judgment 3. Normal workday schedule is assumed to be 8-hour shifts. Normal trespassing assumed to be 1 hour.

[e] Professional Judgment 4. Water ingestion rate for construction workers is assumed to be 10 percent of the incidental ingestion rate recommended for a swimming scenario (RAGS Part A recommends 0.05 L/hr for swimming); water ingestion rate for construction workers = 0.05 L/hr * 8 hr/day * 0.1 = 0.04 L/day). Water ingestion rate for trespassers calculated as indicated in this section (please see age-adjusted equations).

[f] EPA, 2001b. U.S. Environmental Protection Agency. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Office of Solid Waste Engineering & Engineering Response (OSWER) Directive 9355.4-24. March.

[g] PEFs calculated according to the methodology in EPA, 2001b. U.S. Environmental Protection Agency. Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites. Office of Solid Waste Engineering & Engineering Response (OSWER) Directive 9355.4-24. March.

[h] EPA, 2001c. Risk Assessment Guidance for Superfund, Volume I. Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment). Interim Guidance EPA/540/R/99/005. OSWER 9285.7-02EP PB 99-963312. September. Note: The showering ET is 0.58 for an adult and 1 for a child. The AF of 0.07 for the adult is based on adult resident gardener. The AF of 0.2 for the child is for child playing in wet soil.

[i] EPA, 2001c. Risk Assessment Guidance for Superfund, Volume I. Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment). Interim Guidance EPA/540/R/99/005. OSWER 9285.7-02EP PB 99-963312. September. Note: Chemical-specific dermal permeability factors were obtained from Table B.2; other permeability factors for organics were calculated according to the methodology in Section 3.1.2; a default of 0.001 cm/hr was used for other inorganics per Table 3.1. Chemical-specific absorption factors and default values for semivolatile organics and inorganics were obtained from Table 3.4. A default of 0 percent was used for volatiles based on guidance provided in the Texas Risk Reduction Program – TNRCC Web site, March 15, 2001 – "ABSGI and ABS.dvalues.", Texas Natural Resource Conservation Commission (TNRCC). TNRCC received recommendations from the EPA Dermal Working Group for default absorption factors (0 percent for volatile organics, 10 percent for semivolatile organics, and 1 percent for inorganics). The default of 0 percent for volatile organics is based on the assumption that volatile organics are likely to partition to the air rather than the skin.

[j] one-half the skin surface area for the total 5-6 year old child.

[k] Professional Judgment 5. Exposure frequency for Effluent Channel construction work based on actual historical frequency.

[l] Target Hazard Quotient of 0.1 based on EPA request during January 2000 meeting with CPCPRC.

[m] Air inhalation rate for trespassers calculated as indicated in this section (please see age-adjusted equations).

[n] Exposure Factors Handbook Volume I August 1997 (EPA/600/P-95/002Fa. Adult trespasser surface water SA based on lower extremities, hands, forearms, and one-half of trunk. Adult trespasser sediment SA based on lower extremities.

[o] The adherence factor is included in the age-adjusted skin contact factor (please see age-adjusted equations).

Since there are no EPA-approved toxicity values for lead, PRGs were not calculated for lead. For solid media (i.e., soil, subsurface soil, and sediment), detected concentrations of lead were compared to the EPA Region 9 soil PRG for industrial land use (750 parts per million [ppm]) to determine if lead is a COPC in the various exposure areas. For residential groundwater, detected concentrations of lead were compared to the action level of 15 µg/L (EPA, 2001a) to determine if lead is a COPC in groundwater. PRGs were not established for lead for the following pathways: construction worker exposure to groundwater, maintenance worker exposure to surface water, and trespasser exposure to surface water. The action level is based on residential use of groundwater so is not applicable to the worker and trespasser pathways. Uncertainties associated with the lead PRGs are presented in Section 3.6.1.

PRG Formulas

For each exposure scenario, PRGs that equate to an excess lifetime cancer risk (ELCR) of 1 in 1 million exposed individuals ($1x10^{-6}$), and a Hazard Index (HI) of 0.1 were calculated for a master list of chemicals, whether detected or not at the CPCPRC facility.

Tables in Appendix C, C-2 present chemical-specific values, toxicity data, and the carcinogenic and noncarcinogenic PRGs for each of the exposure scenarios. Note that the PRGs were separately calculated for each exposure route (i.e., dermal, ingestion, and inhalation) and the final PRG for each medium was calculated to account for contributions from all exposure routes. For residential exposure to groundwater, if an MCL is promulgated for a certain chemical, that MCL was used as the final PRG. The toxicity and chemical-specific values used in the PRG calculations are current through September 2004.

Industrial Worker, Construction Worker, and Maintenance Worker. The noncarcinogenic PRGs for exposure via solid media (i.e., soil, subsurface soil, or sediment) ingestion, particulate and vapor inhalation, and dermal contact were calculated using the following equation and the intake parameters in Table 3-1:

$$PRG_{soil},\ mg/Kg = \frac{THI\ x\ BW\ x\ AT_n\ x\ 365 days\ per\ year}{EF\ x\ ED\ x\left\{\left[\left(1/RfD_{oral}\ x 10^{-6}\ Kg/mg\ x\ IR_{soil}\right)+\left(1/RFD_{inhal}\ x\ IR_{air}\ x\left(1/VF+1/PEF\right)\right)+\right.\right.}$$

Where:

THI	Target hazard index (unitless)
BW	Body weight (kg)
AT_n	Averaging time – noncarcinogens (years)
EF	Exposure frequency (days/year)
ED	Exposure duration (years)
IR	Ingestion rate (mg/day)
RfD_{oral}	Oral reference dose (mg/kg-day)
VF	Volatilization factor – soil (m^3/kg)
PEF	Particulate emission factor – soil (m^3/kg)
IR_{air}	Inhalation rate (m^3/day)
RfD_{inhal}	Inhalation reference dose (mg/kg-day)

SA	Skin surface (cm^2/day)
AF	Adherence factor (mg/ cm^2)
ABS	Absorption factor (unitless)

The noncarcinogenic PRGs for inorganic constituents for potential exposure via groundwater or surface water ingestion, vapor inhalation, and dermal contact were calculated using the following equation and the intake parameters in Table 3-1:

$$PRG_{water},\ mg/L = \frac{THI\ x\ BW\ x\ AT_n\ x\ 365\ days\ per\ year}{EF\ x\ ED\ x\ \left\{\left[\left(ET\ x\ 1/RfD_{oral}\ x\ SA\ x\ PC\ x\ 0.001 L/cm^3\right)+\left(1/RFD_{inhal}\ x\ IR_{air}\ x\ K\right)+\left(1/RfDoral\ x\ IR_{water}\right)\right]\right\}}$$

Where:

THI	Target hazard index (unitless)
BW	Body weight (kg)
AT_n	Averaging time – noncarcinogens (years)
EF	Exposure frequency (days/year)
ED	Exposure duration (years)
IR_{water}	Water ingestion rate (L/day)
RfD_{oral}	Oral reference dose (mg/kg-day)
K	Volatilization factor – water (L/m^3)
IR_{air}	Inhalation rate (m^3/day)
RfD_{inhal}	Inhalation reference dose (mg/kg-day)
PC	Dermal permeability coefficient (cm/hr)
ET	Exposure time (hours)
SA	Skin surface (cm^2/day)

The noncarcinogenic PRGs for organic constituents for potential exposure to groundwater or surface water through ingestion, vapor inhalation, and dermal contact were calculated using one of the following equations and the intake parameters in Table 3-1:

$$PRG_{water},\ mg/L = \frac{THI\ x\ BW\ x\ AT_n\ x\ 365\ days\ per\ year}{EF\ x\ ED\ x\ \left\{\left[\left(1/RfD_{oral}\ x\ SA\ x\ 2PC\ x\ \sqrt{\frac{6\tau xET}{\pi}}\ 0.001 L/cm^3\right)+\left(1/RFD_{inhal}\ x\ IR_{air}\ x\ K\right)+\left(1/RfDoral\ x\ IR_{water}\right)\right]\right\}}$$

or

$$PRG_{water},\ mg/L = \frac{THI\ x\ BW\ x\ AT_n\ x\ 365 days\ per\ year}{EF\ x\ ED\ x\ \left\{\left[\left(1/RfD_{oral}\ x\ SA\ x\ PC\ x\left[\frac{ET}{1+B}+2\tau\left(\frac{1+3B+3B^2}{(1+B)^2}\right)\right]x\ 0.001 L/cm^3\right)+\left(1/RFD_{inhal}\ x\ IR_{air}\ x\ K\right)+\left(1/RfDoral\ x\ IR_{water}\right)\right]\right\}}$$

where:

THI	Target hazard index (unitless)
BW	Body weight (kg)
AT_n	Averaging time – noncarcinogens (years)
EF	Exposure frequency (days/year)

ED	Exposure duration (years)
SA	Skin surface (cm^2/day)
PC	Dermal permeability coefficient
ET	Exposure time (hours) (cm/hr)
IR_{water}	Water ingestion rate (L/day)
RfD_{oral}	Oral reference dose (mg/kg-day)
K	Volatilization factor – water (L/m^3)
IR_{air}	Inhalation rate (m^3/day)
RfD_{inhal}	Inhalation reference dose (mg/kg-day)

The criteria to determine which formula to use for the PRG for a particular organic constituent and the other parameters (τ and B) used for the dermal portion of the PRG equation for organic constituents are explained in detail in a later section (Chemical Intake).

The carcinogenic PRGs for exposure via solid media (i.e., soil, subsurface soil, or sediment) ingestion, particulate and vapor inhalation, and dermal contact were calculated using the following equation and the intake parameters in Table 3-1:

$$PRG_{soil},\ mg/Kg = \frac{TR\ x\ BW\ x\ AT_c\ x\ 365\ days\ per\ year}{EF\ x\ ED\ x\ \left\{\left[\left(SF_{oral}\ x\ 10^{-6}\ Kg/mg\ x\ IR_{soil}\right) + \left(SF_{inhal}\ x\ IR_{air}\ x\ \left(1/VF + 1/PEF\right)\right) +\right.\right.}$$

Where:

TR	Target risk (unitless)
BW	Body weight (kg)
AT_c	Averaging time – carcinogens (years)
EF	Exposure frequency (days/year)
ED	Exposure duration (years)
IR	Ingestion rate (mg/day)
SF_{oral}	Oral slope factor (kg-day/mg)
VF	Volatilization factor – soil (m^3/kg)
PEF	Particulate emission factor (m^3/kg)
IR_{air}	Inhalation rate (m^3/day)
SF_{inhal}	Inhalation slope factor (kg-day/mg)
SA	Skin surface (cm^2/day)
AF	Adherence factor (mg/cm^2)
ABS	Absorption factor (unitless)

The carcinogenic PRGs for inorganic constituents for potential exposure to groundwater or surface water through ingestion, vapor inhalation, and dermal contact were calculated using the following equation and the intake parameters in Table 3-1:

$$PRG_{water},\ mg/L = \frac{TR\ x\ BW\ x\ AT_c\ x\ 365\ days\ per\ year}{EF\ x\ ED\ x\ \left\{\left[\left(ET\ x\ SF_{oral}\ x\ SA\ x\ PC\ x\ 0.001 L/cm^3\right) + \left(SF_{inhal}\ x\ IR_{air}\ x\ K\right) + \left(SF_{oral}\ x\ IR_{water}\right)\right]\right\}}$$

where:

TR	Target risk (unitless)
BW	Body weight (kg)

AT_c	Averaging time – carcinogens (years)
EF	Exposure frequency (days/year)
IR_{water}	Water ingestion rate (L/day)
SF_{oral}	Oral slope factor (kg-day/mg)
K	Volatilization factor – water (L/m^3)
IR_{air}	Inhalation rate (m^3/day)
SF_{inhal}	Inhalation slope factor (kg-day/mg)
PC	Dermal permeability coefficient (cm/hr)
ET	Exposure time (hours)
SA	Skin surface (cm^2/day)

The carcinogenic PRGs for organic constituents for potential exposure to groundwater or surface water through ingestion, vapor inhalation, and dermal contact were calculated using one of the following equations and the intake parameters in Table 3-1:

$$PRG_{water},\ mg/L = \frac{TR\ x\ BW\ x\ AT_c\ x\ 365 days\ per\ year}{EF\ x\ ED\ x\left\{\left[\left(SF_{oral}\ x\ SA\ x\ 2PC\ x\sqrt{\frac{6\tau x ET}{\pi}}\ 0.001 L/cm^3\right)+\left(SF_{inhal}\ x\ IR_{air}\ x\ K\right)+\left(SF_{oral}\ x\ IR_{water}\right)\right]\right\}}$$

or

$$PRG_{water}\ mg/L = \frac{TR\ x\ BW\ x\ AT\ x\ 365 days\ per\ year}{EF\ x\ ED\ x\left\{\left[\left(SF_{oral}\ x\ SA\ x\ PC\ x\left[\frac{ET}{1+B}+2\tau\left(\frac{1+3B+3B^2}{(1+B)^2}\right)\right]\ x\ 0.001 L/cm^3\right)+\left(SF_{inhal}\ x\ IR_{air}\ x\ K\right)+\left(SF_{oral}\ x\ IR_{water}\right)\right]\right\}}$$

where:

THI	Target risk (unitless)
BW	Body weight (kg)
AT_c	Averaging time – carcinogens (years)
EF	Exposure frequency (days/year)
ED	Exposure duration (years)
IR_{water}	Water ingestion rate (L/day)
SF_{oral}	Oral slope factor (mg/kg-day/mg)
K	Volatilization factor – water (L/m^3)
IR_{air}	Inhalation rate (m^3/day)
SF_{inhal}	Inhalation slope factor (mg/kg-day/mg)
PC	Dermal permeability coefficient (cm/hr)
ET	Exposure time (hours)
SA	Skin surface (cm^2/day)

The criteria to determine which formula to use for the PRG for a particular organic constituent and the other parameters (τ and B) used for the dermal portion of the PRG equation for organic constituents are explained in detail in a subsequent section (Chemical Intake)

Resident and Trespasser

For the resident trespasser and residential groundwater use exposure pathways, CPCPRC calculated PRGs for the noncarcinogenic constituents for the childhood resident. CPCPRC used age-adjusted factors in the PRG equations for the carcinogens as agreed to in previous comment and response-to-comment as follows:

The noncarcinogenic PRGs for trespasser exposure to sediment via sediment ingestion, particulate and vapor inhalation, and dermal contact were calculated using the following equation and the parameters in Table 3-1:

$$PRG_{\text{sediment}},\ mg/Kg = \frac{THI\ x\ BW\ x\ AT_n\ x\ 365 days\ per\ year}{EF\ x\ ED\ x\ \left\{\left[\left(1/RfD_{oral}\ x 10^{-6}\ Kg/mg\ x\ IR_{soil}\right) + \left(1/RFD_{inhal}\ x\ IR_{air}\ x \left(1/VF + 1/PEF\right)\right) + \right.\right.}$$

$$\left.\left.\left(1/RfDoral x 10^{-6}\ Kg/mg\ x\ SA x\ AF\ x\ ABS\right)\right]\right.$$

Where:

THI	Target hazard index (unitless)
BW	Body weight (kg)
AT_n	Averaging time – noncarcinogens (years)
EF	Exposure frequency (days/year)
ED	Exposure duration (years)
$IR_{sediment}$	Sediment ingestion rate (mg/day)
RfD_{oral}	Oral reference dose (mg/kg-day)
VF	Volatilization factor – soil (m^3/kg)
PEF	Particulate emission factor – soil (m^3/kg)
IR_{air}	Inhalation rate (m^3/day)
RfD_{inhal}	Inhalation reference dose (mg/kg-day)
SA	Skin surface (cm^2/day)
AF	Adherence factor (mg/ cm^2)
ABS	Absorption factor (unitless)

* For the noncarcinogenic chemicals, PRGs are based on childhood trespasser exposures.

For carcinogenic chemicals, PRGs are calculated using age-adjusted factors that take into account the difference in daily sediment ingestion rates, body weights, and exposure duration for children from 1 to 6 years old and for others for 24 years.

The following equation was used along with the intake parameters in Table 3-1 to calculate the age-adjusted carcinogenic PRGs for the trespasser exposure to sediment:

$$PRG_{\text{sediment}},\ mg/Kg = \frac{TR\ x\ AT_c\ x\ 365 days\ per\ year}{EF\ x\ \left\{\left[\left(SF_{oral}\ x 10^{-6}\ Kg/mg\ x\ IR_{soil}\right) + \left(SF_{inhal}\ x\ IR_{air}\ x\ \left(1/VF + 1/PEF\right)\right) + \right.\right.}$$

$$\left.\left.\left(SF\ oral\ x 10^{-6}\ Kg/mg\ x\ SA x\ ABS\right)\right]\right.$$

Where:

TR	Target risk (unitless)
AT_c	Averaging time – carcinogens (years)
EF	Exposure frequency (days/year)

$IR_{sediment}$	Sediment ingestion rate (mg-yr/kg-day)
SF_{oral}	Oral slope factor (kg-day/mg)
VF	Volatilization factor – soil (m^3/kg)
PEF	Particulate emission factor (m^3/kg)
IR_{air}	Inhalation rate (m^3-yr/kg-day)
SF_{inhal}	Inhalation slope factor (kg-day/mg)
SA	Skin contact factor(mg-yr/kg-day)
ABS	Absorption factor (unitless)

The age-adjusted sediment ingestion rate was calculated using the following equation:

$$IR_{sediment} = \frac{IR_c \ x \ ED_c}{BW_c} + \frac{IR_a \ x \ ED_a}{BW_a}$$

Where:

$IR_{sediment}$	Age-adjusted sediment ingestion rate (mg-yr/kg-day)
IR_c	Child sediment ingestion rate (200 mg/day)
ED_c	Child exposure duration (6 years)
BW_c	Child body weight (15 kg)
IR_a	Adult sediment ingestion rate (100 mg/day)
ED_a	Adult exposure duration (24 years)
BW_a	Adult body weight (70 kg)

The age-adjusted inhalation rate was calculated using the following equation:

$$IR_{air} = \frac{IR_c \ x \ ED_c}{BW_c} + \frac{IR_a \ x \ ED_a}{BW_a}$$

Where:

IR_{air}	Age-adjusted inhalation rate (m^3-yr/kg-day)
IR_c	Child inhalation rate (10 m^3/24 hr day*1hour exposed)
ED_c	Child exposure duration (6 years)
BW_c	Child body weight (15 kg)
IR_a	Adult inhalation rate (20 m^3/24 hr day*1hour exposed)
ED_a	Adult exposure duration (24 years)
BW_a	Adult body weight (70 kg)

The age-adjusted skin contact factor was calculated using the following equation:

$$SA = \frac{SA_c \ x \ ED_c \ x \ AF_c}{BW_c} + \frac{SA_a \ x \ ED_a \ x \ AF_a}{BW_a}$$

Where:

SA	Skin contact factor (mg-yr/kg-day)
SA_c	Child skin surface area – (3,300 cm^2/day)
ED_c	Child exposure duration (6 years)
AF_c	Child adherence factor (mg/cm^2)
BW_c	Child body weight (15 kg)
SA_a	Adult skin surface area – (7,610 cm^2/day)
ED_a	Adult exposure duration (24 years)
AF_a	Adult adherence factor (mg/cm^2)

BW_a Adult body weight (70 kg)

The noncarcinogenic PRGs for trespasser exposure to inorganic chemicals in surface water and residential exposure to groundwater via ingestion, vapor inhalation, and dermal contact were calculated using the following equation and the parameters in Table 3-1:

$$PRG_{water},\ mg/L = \frac{THI\ x\ BW\ x\ AT_n\ x\ 365\ days\ per\ year}{EF\ x\ ED\ x\ \{[(ET\ x\ 1/RfD_{oral}\ x\ SA\ x\ PC\ x\ 0.001 L/cm^3) + (1/RFD_{inhal}\ x\ IR_{air}\ x\ K) + (1/RfDoral\ x\ IR_{water})]\}}$$

The noncarcinogenic PRGs for trespasser exposure to organic chemicals in surface water and residential exposure to groundwater via ingestion, vapor inhalation, and dermal contact were calculated using the following equation and the parameters in Table 3-1:

$$PRG_{water},\ mg/L = \frac{THI\ x\ BW\ x\ AT_n\ x\ 365\ days\ per\ year}{EF\ x\ ED\ x\ \left\{\left[\left(1/RfD_{oral}\ x\ SA\ x\ 2PC\ x\ \sqrt{\frac{6\tau xET}{\pi}}\ 0.001 L/cm^3\right) + (1/RFD_{inhal}\ x\ IR_{air}\ x\ K) + (1/RfDoral\ x\ IR_{water})\right]\right\}}$$

or

$$PRG_{water},\ mg/L = \frac{THI\ x\ BW\ x\ AT_n\ x\ 365\ days\ per\ year}{EF\ x\ ED\ x\ \left\{\left[\left(1/RfD_{oral}\ x\ SA\ x\ PC\ x\left[\frac{ET}{1+B} + 2\tau\left(\frac{1+3B+3B^2}{(1+B)^2}\right)\right]\ x\ 0.001 L/cm^3\right) + (1/RFD_{inhal}\ x\ IR_{air}\ x\ K) + (1/RfDoral\ x\ IR_{water})\right]\right\}}$$

The criteria to determine which formula to use for the PRG for a particular organic constituent and the other parameters (τ and B) used for the dermal portion of the PRG equation for organic constituents are explained in detail in a subsequent section (Chemical Intake).

Again, for the noncarcinogenic chemicals, childhood parameters were used to calculate PRGs.

For carcinogenic chemicals, PRGs are calculated using age-adjusted factors that take into account the difference in daily water ingestion rates, body weights, and exposure duration for children from 1 to 6 years old and for others for 24 years.

The following equation was used along with the intake parameters in Table 3-1 to calculate the age-adjusted carcinogenic PRGs for the trespasser exposure to inorganic chemicals in surface water and residential exposure to groundwater:

$$PRGwater,\ mg/L = \frac{TR\ x\ AT_C\ x\ 365\ days\ per\ year}{(EFx\ [(IR_{water}\ x\ SF_{oral}) + (K\ x\ IR_{air}\ x\ SF_{inhal}) + (PC\ x\ ET\ x\ SA\ x\ 0.001\ L/cm^3\ x\ SF_{oral})])}$$

The following equation was used along with the intake parameters in Table 3-1 to calculate the age-adjusted carcinogenic PRGs for the trespasser exposure to organic chemicals in surface water and residential exposure to groundwater:

$$PRG_{water},\ mg/L = \frac{TR \times AT_c \times 365 days\ per\ year}{EF \times \left\{\left[\left(SF_{oral} \times SA \times 2PC \times \sqrt{\frac{6\tau \times ET}{\pi}} 0.001 L/cm^3\right) + \left(SF_{inhal} \times IR_{air} \times K\right) + \left(SF_{oral} \times IR_{water}\right)\right]\right\}}$$

or

$$PRG_{water}\ mg/L = \frac{TR \times AT \times 365 days\ per\ year}{EF \times \left\{\left[\left(SF_{oral} \times SA \times PC \times \left[\frac{ET}{1+B} + 2\tau\left(\frac{1+3B+3B^2}{(1+B)^2}\right)\right] \times 0.001 L/cm^3\right) + \left(SF_{inhal} \times IR_{air} \times K\right) + \left(SF_{oral} \times IR_{water}\right)\right]\right\}}$$

The criteria to determine which formula to use for the PRG for a particular organic constituent and the other parameters (τ and B) used for the dermal portion of the PRG equation for organic constituents are explained in detail in a subsequent section (Chemical Intake).

The age-adjusted water ingestion rate was calculated using the following equation:

$$IR_{water} = \frac{IR_c \times ED_c}{BW_c} + \frac{IR_a \times ED_a}{BW_a}$$

Where:

IR_{water}	Age-adjusted water ingestion rate (L-yr/kg-day)
IR_c	Child water ingestion rate (1 L/24 hr day*hours exposed)
ED_c	Child exposure duration (6 years)
BW_c	Child body weight (15 kg)
IR_a	Adult water ingestion rate (2 L/24 hr day*hours exposed)
ED_a	Adult exposure duration (24 years)
BW_a	Adult body weight (70 kg)

The age-adjusted inhalation rate was calculated using the following equation:

$$IR_{air} = \frac{IR_c \times ED_c}{BW_c} + \frac{IR_a \times ED_a}{BW_a}$$

Where:

IR_{air}	Age-adjusted inhalation rate (m^3-yr/kg-day)
IR_c	Child inhalation rate (10 m^3/24 hr day*hours exposed)
ED_c	Child exposure duration (6 years)
BW_c	Child body weight (15 kg)
IR_a	Adult inhalation rate (20 m^3/24 hr day*hours exposed)
ED_a	Adult exposure duration (24 years)
BW_a	Adult body weight (70 kg)

The age-adjusted skin surface was calculated using the following equation:

$$SA = \frac{SA_c \ x \ ED_c}{BW_c} + \frac{SA_a \ x \ ED_a}{BW_a}$$

Where:

SA	Age-adjusted skin surface (cm^2-yr/kg-day)
SA_c	Child skin surface area – (6,600 cm^2/day)
ED_c	Child exposure duration (6 years)
BW_c	Child body weight (15 kg)
SA_a	Adult skin surface area – (18,000 cm^2/day for residents and 13,600 cm^2/day for trespassers)
ED_a	Adult exposure duration (24 years)
BW_a	Adult body weight (70 kg)

Summary of Preliminary COPCs and Final COCs

Table 3-2 presents the results of the COPC screening process for the exposure pathways and areas. Examination of Table 3-2 reveals that the COPC list is essentially the same as the COPC list presented in Table 3-2 of the *Draft Risk Characterization Report* (July 2001). The final COCs for each exposure pathway and area are denoted on Table 3-2. The criteria discussed in Section 3.2.2 were used to eliminate preliminary COPCs from the final list of COCs. Consistent with the *Draft Risk Characterization Report* (July 2001), the table includes rationale for eliminating some COPCs from further evaluation for each risk scenario.

3.3 Exposure Assessment

The potential exposure pathways, environmental medium, potential receptors, and routes of exposure used in this exposure assessment are the same as those described for the PRG screening (Section 3.2.2). Estimates of chemical intake rates were developed for each exposure pathway considered to be potentially complete.

The methods used to evaluate potential human exposure to COCs included the following:

- Identifying potentially exposed populations
- Identifying potentially complete exposure pathways
- Estimating EPCs
- Estimating chemical intake rates for each potentially complete exposure pathway

3.3.1 Conceptual Model

The conceptual model for the CPCPRC site (Figure 3-3) depicts potential sources of contamination, potential contaminant migration pathways, and exposure pathways to potential receptors. This model was developed based on the history of facility operations, evaluation of the nature and extent of contamination in various environmental media at the facility and in offsite areas, and information about potential receptors.

3.3.2 Potential Exposure Pathways

An exposure pathway describes the mechanism through which a receptor (potentially exposed individual) might contact COCs in environmental media. There must be a complete exposure pathway from the contaminant source to the human receptor for chemical intake to occur. A complete exposure pathway consists of the following five elements (EPA, 1989a):

- Source of contaminant release to the environment
- Transport medium (e.g., soil or groundwater)
- Environmental fate and transport mechanism (e.g., migration from soil to groundwater or volatilization from groundwater into air)
- Point of contact (termed the "exposure point" or "exposure area") with the COC
- Intake route for a COC into the receptor (e.g., ingestion, inhalation, or dermal contact)

If one of these elements is missing, then the exposure pathway is incomplete and there is no intake (and subsequently no health risk) associated with that pathway.

Potential Contaminant Sources

The evaluation of contaminant source areas at the CPCPRC facility has been presented previously in Section 3.0 of the July 1999 *RFI Report*. In summary, the release information indicates that through inadvertent releases, BTEX constituents and naphthalene are the principal sources of contamination to soil and/or groundwater.

Potential Transport Mechanisms

Potential routes of contaminant transport exist where contaminants can be released to the environment from source material or affected media. Based on the physical model of fate and transport mechanisms for the site (*RFI Report*, July 1999 and *CMS-Related Investigations Report*, May 2003), the potential release and transport mechanisms include the following:

- Volatilization of chemicals from surface and subsurface soil and groundwater
- Erosion and transport (i.e., resuspension) of affected dust by wind or water
- Groundwater plumes impacting overlying subsurface soils.
- Leaching of chemicals from surface and subsurface soil into groundwater (or directly to groundwater if source material is in contact with the groundwater).
- Discharge of groundwater into surface water.

Figure 3-3 Conceptual Model for the CPCPRC Site

Potential Receptor Groups, Exposure Areas, and Exposure Routes

The following section describes the current and potential future human receptors that may be exposed to facility-related chemicals and their potential exposure routes. In addition, the exposure areas that were evaluated for each receptor group are described. Figures 3-4 through 3-14 show the exposure areas for both onsite and offsite areas and the samples for each exposure area that were used in the HHRA.

Industrial Workers (IW)

Under current conditions, onsite industrial workers include CPCPRC employees and subcontractors. Operations are limited to CPCPRC activities and include processing mixed xylenes into para-xylenes and gasoline loading operations. The facility is divided into four main operational areas that include the process area, the tank storage area, the wastewater treatment area, and Las Mareas Harbor, a manmade harbor a half mile southwest of the main facility. The majority of the onsite industrial workers spend most of their time either indoors (in offices north of the process area) or in the process area.

It was assumed that under current and future conditions, the activities that industrial workers engage in would be associated with exposure to surface soil. Potential exposures to subsurface soil are evaluated as part of the construction worker scenarios (intrusive work). Potable water for the CPCPRC facility is obtained from PRASA so there are no complete exposure pathways involving groundwater for this receptor group.

The data evaluation presented in Section 2.0 of this report indicate that groundwater is not discharging to the surface in the AES area (or any other offsite area) as was postulated. Considering this and the fact that the facility is constructed on imported fill, the surface soils on AES property are not impacted by a facility release and, therefore, do not require risk evaluation. To be conservative, however, CPCPRC evaluates the potential risk to an AES industrial worker from surface soils on AES property.

The AES industrial workers are assumed to also spend most of their time indoors or working outdoors operating the power generation and support systems. Potable water for the AES facility is also obtained from PRASA so there are no complete exposure pathways involving groundwater for this receptor group.

Onsite industrial workers or offsite industrial workers in the AES area may be exposed to surface soil through the incidental ingestion (as a result of hand-to-mouth or face contact), inhalation of particulates, VOCs and mercury, and dermal contact exposure routes. Two exposure areas (CPCPRC area surface soil and AES area surface soil) were evaluated for the industrial worker receptor group. Figure 3-4 presents the sample locations used to evaluate this exposure pathway (IW_SS).

In addition to potential exposure to surface soil, industrial workers in the AES administration building or coal conveyance structure could be exposed to VOCs that could volatilize from groundwater below the buildings into the indoor air. The potential risks associated with this exposure pathway were evaluated using the Johnson and Ettinger model, an EPA model developed as a screening tool for assessing potential exposure to VOCs in indoor air. Details of the Johnson and Ettinger model inputs and results are provided in Appendix C (C-3) of this report.

Construction Workers (CW)

Future onsite and offsite construction workers may come in contact with surface soil, subsurface soils, or shallow groundwater during construction/excavation activities. In addition, future CPCPRC construction workers may be exposed to sediment in onsite impoundments. On AES property, exposure to sediment in the undeveloped area of the AES facility is also considered.

Exposure to environmental media during these construction activities may be through incidental ingestion, inhalation of particulates (soil only), VOCs and mercury, and dermal contact along the hands, forearms, and face.

The following exposure areas were evaluated for the construction worker receptor group: AES, Beach, Boundary-east, Boundary-west, East, Las Mareas, CPCPRC (i.e., onsite), PRASA, shallow groundwater, South, and West. Figures 3-5, 3-6, 3-7, and 3-8 present the locations of the samples used to evaluate the surface soils (CW_SS), subsurface soils (CW_SB), shallow groundwater (CW_GWS), and sediment on the CPCPRC site and in the undeveloped area of AES (CW_SD). As indicated on the figures, samples to evaluate exposure for this pathway have been labeled based on their geographic locations for both on and offsite areas.

It should be stated again, that the data evaluation presented in Section 2.0 of this report indicates that groundwater is not discharging to the surface in the AES area (or any offsite area) and therefore, surface sediments in the undeveloped area of AES property are not impacted by a facility release and do not require risk evaluation. To be conservative, however, CPCPRC has evaluated the potential risk to an AES construction worker from sediments on the AES property.

Maintenance Workers (MW)

Future onsite maintenance workers may come in contact with surface water in the Effluent Channel, Holding Pond, and ditches and sediment in the Effluent Channel and Holding Pond.

Exposure to sediment and surface water during these maintenance activities may be through incidental ingestion, inhalation of particulates, VOCs and mercury, and dermal contact.

Three exposure areas (Effluent Channel, Holding Pond, and ditches) were evaluated for this receptor group. Figures 3-9 and 3-10 present the sediment and surface water sample locations, respectively, used to evaluate this pathway (MW_SD and MW_SW).

Trespassers (TRES)

Access to the facility is limited to CPCPRC and its contractors and visitors. The perimeter of the facility is fenced and guarded 24-hours a day. These conditions are not expected to change in the future. Therefore, the trespasser receptor group was not evaluated for onsite areas. However, it has been conservatively assumed that trespassers may be exposed to sediment and surface water in the Effluent Channel and surface water in the ditches. Trespassers may be exposed to surface water and sediment through incidental ingestion, inhalation of particulates, VOCs and mercury, and dermal contact exposure routes.

The data evaluation presented in Section 2.0 of this report indicate that groundwater is not discharging to the surface in the AES area (or any offsite area) as was postulated. Considering this, the sediment and surface water in the undeveloped AES area are not impacted by a facility release and, therefore, do not require risk evaluation. To be conservative, however, CPCPRC evaluates the potential risk to a resident trespasser potentially in contact with sediment and surface water in this undeveloped area. It is noted that this undeveloped area of AES is fenced and it is unlikely that trespassing would occur. None the less, exposure to sediments and surface water has been evaluated.

Trespasser exposure to sediment and surface water in the undeveloped area of AES through incidental ingestion, inhalation of particulates, VOCs and mercury, and dermal contact exposure routes is considered.

Three exposure areas (Effluent Channel, ditches, and the undeveloped AES area) were evaluated for this receptor group. Figure 3-11 and 3-12 presents the sediment and surface water sample locations, respectively used to evaluate this pathway (TRES_SD and TRES_SW).

Offsite Residents (RES)

The facility is located approximately three miles southwest of the center of the city of Guayama and 1.5 miles from the edge of the city's major populace. Two other communities in the vicinity large enough to be included in the 1990 census are Quebrada (population 1,191) and Corazon (population 2,747). Quebrada, the closest of these communities to the facility, is located approximately 1.1 miles northwest of the facility boundary. Corazon is located northeast of Guayama, approximately 5 miles from the facility. Other small villages in the area include Jobos and Puerto de Jobos to the west, and Barrancas to the east. Jobos is south of Quebrada and Puerto de Jobos is west of Jobos on the coast. None of these communities is downgradient (i.e., south) of the CPCPRC facility.

To the south Las Mareas is a very small community consisting of a single row of about 35 dwellings. The houses are constructed as either slab on grade or on raised piers. There are no basements considering the very close proximity to the Caribbean Sea (200 to 300 feet).

Residents in Las Mareas obtain their water from a PRASA potable water pipeline and no wells currently exist in the community other than the monitoring wells installed and monitored by CPCPRC. In the unlikely event a resident did install a well, it is reasonable to assume that this well would be installed near their home. It is unlikely that a resident would build a home on property adjacent to the facility, particularly in the areas of the mapped plumes. Where the plume is mapped to the west, AES has constructed a power plant. To the east the land over the mapped plumes is either paved roadway (Southeast Boundary Plume) or a concrete-treated wastewater discharge pipe (PRASA pipeline). Outside the mapped plume to the east, BTEX has not been found. This observation is in line with the key conclusion drawn overall for the site that:

- Where BTEX occurs in groundwater, there is the potential for risk, and benzene drives that risk. In areas outside the plumes, risk is minimal or absent.

Considering these observations, CPCPRC considers their approach to evaluating residential groundwater exposure to be very conservative.

The locations of the groundwater samples used to evaluate potential exposure to shallow and deep groundwater are shown in Figures 3-13 and 3-14, respectively (RES_GWS and RES_GWD). Examination of these groups reveals the following:

- Many of the wells are in the areas of mapped plumes or near them, biasing this data set to lead to the conclusion that if a resident installed a domestic well, they would be exposed to levels observed in the mapped plumes. Therefore, this is a worst-case scenario.

It has been conservatively assumed if wells were installed in the future for use by offsite residents, these receptors could potentially be exposed to groundwater through the ingestion, inhalation of VOCs and mercury, and dermal contact exposure routes.

In addition, it has been postulated that offsite residents in the Las Mareas area could be exposed to VOCs that volatilize from groundwater into indoor air in their homes. The potential risks associated with this exposure pathway were evaluated using the Johnson and Ettinger model; details of the Johnson and Ettinger model inputs and results are provided in a Technical Memorandum included in Appendix C (C-3).

3.3.4 Quantification of Exposure

EPCs can be estimated by directly measuring concentrations at a point of contact or by modeling a chemical release to the exposure point. EPCs were calculated for COCs in accordance with EPA guidance (EPA, 2002a). The EPC for each chemical depends on the number of samples collected, the concentration of those samples, and the variance in concentrations. Statistical tests were used to determine the distribution of the data set and are used to calculate appropriate EPCs. The details of the statistical tests and the calculated EPCs are provided below.

The sampling locations were grouped in terms of potential exposure in geographic areas as depicted in Figures 3-4 through 3-14; these data groupings were then used to calculate the EPCs.

The groupings are based on potential exposure areas, sample location, current facility practices and usage, and potential future activities. The sampling locations were divided into the following data groupings or exposure areas and EPCs were calculated for each exposure area:

- IW_SS—Industrial Worker Exposure to Surface Soils. This group includes all surface soil samples (0 to 2 feet bgs) collected from onsite locations and on AES (Figure 3-4).
- CW_SS—Construction Worker Exposure to Surface Soils. This group includes all surface soil samples (0 to 2 feet bgs) collected from the following exposure areas: CPCPRC, AES, Beach, Las Mareas, PRASA, South, and West (Figure 3-5).
- CW_SB—Construction Worker Exposure to Subsurface Soils. This group includes all subsurface soil samples (i.e., below 2 feet bgs) collected from the following exposure areas: CPCPRC, AES, Beach, Boundary-East, Las Mareas, PRASA, South, East, and West (Figure 3-6).

- CW_GWS—Construction Worker Exposure to Shallow Groundwater. This group includes the following exposure areas: CPCPRC, AES, Beach, Boundary-East, Boundary-West, Las Mareas, PRASA, South, East, and West (Figure 3-7).
- CW_SD—Construction Worker Exposure to Sediments. This group includes sediment samples collected onsite near the surface impoundments and from the AES area (Figure 3-8).
- MW_SD—Maintenance Worker Exposure to Sediments. This group includes all sediment samples collected from the Effluent Channel and Holding Pond (Figure 3-9).
- MW_SW—Maintenance Worker Exposure to Surface Water. This group includes all surface water samples collected from the Effluent Channel, Holding Pond, and ditches (Figure 3-10).
- TRES_SD—Trespasser Exposure to Sediment. This group includes all sediment samples collected in the Effluent Channel and the AES area (Figure 3-11).
- TRES_SW—Trespasser Exposure to Surface Water. This group includes all surface water samples collected in the Effluent Channel, ditches, and the AES area (Figure 3-12).
- RES_GWS—Residential Exposure to Shallow Groundwater. This group includes shallow groundwater wells and Geoprobes™ (CMS-related field effort January-February 2001) onsite in all offsite areas. Onsite, residential exposure to groundwater is unlikely because the facility is an industrial site with limited access. This condition is not expected to change. However, onsite wells were included to be conservative (Figure 3-13).
- RES_GWD—Residential Exposure to Deep Groundwater. This group includes all deep groundwater wells (Figure 3-14).

The EPCs for the data groupings or exposure areas were calculated using a statistical estimate of an upper bound on the average exposure concentrations, using EPA guidance for statistical analysis of monitoring data (EPA, 1989b; 1992; and 2002a). An EPC was calculated for each COC within each exposure area. Non-detect values were replaced with proxy values equal to one-half of the detection limit.

For each case, a 95 percent upper confidence limit (UCL) using an assumption of normality was calculated. The 95 percent UCL was calculated for each chemical for data using the following equation:

$$UCL = \bar{x} + t\left(\frac{s}{\sqrt{n}}\right)$$

Where:

UCL = upper confidence limit
$\bar{x}$ = mean of the sample data
t = student-t statistic (for 95 percent confidence and n samples)
s = standard deviation of the sample data
n = number of samples

This is a well-known and simple calculation, but the normal UCL is known to provide too low a concentration when the data are skewed. Since most environmental data (including the concentrations in this study) are skewed, the normal UCL is not typically considered an appropriate estimate of the mean.

Two other methods of calculating the 95 percent UCL were used to achieve a "recommended 95 percent UCL of the mean". These included the bootstrap t UCL and a Chebychev UCL, both nonparametric approaches. They are considered nonparametric since they require no assumption regarding the statistical distribution of the target population.

There are many variations of the bootstrap method. Each variation relies on Monte Carlo resampling techniques where each bootstrap sample is resampled from the data set with the same sample size as the original data set. The specific variation of bootstrap method used in these calculations was the bootstrap-t method. Just as the normal UCL (see equation above) relies on the t statistic, this technique also essentially develops a statistic that is used in a similar equation. Unlike the t statistic, which is applicable to estimating the means of data sets that are normally distributed, the bootstrap t statistic is estimated directly from the available data and does not require a normal theory assumption.

The process essentially builds a t table that is appropriate to the data set at hand. Theoretical efforts show that the bootstrap-t confidence limit provides a closer estimate of the desired confidence interval than a standard bootstrap approach (Efron, 1993). It is essentially a generalization of the Student *t* method. This method is presented in EPA guidance (EPA, 1997b; EPA, 2002).

The Chebychev method is also presented in EPA guidance (EPA, 2002). It is calculated using the following equation:

$$UCL = \bar{x} + \sqrt{\frac{1}{alpha} + 1}\left(\frac{s}{\sqrt{n}}\right)$$

Where:

UCL = upper confidence limit

$\bar{x}$ = mean of the sample data

alpha = the desired error rate (for 95 percent confidence, *alpha* = 100 percent – 95 percent = 5 percent)

s = standard deviation of the sample data

n = number of samples

While it would appear that alpha should always be 5 percent to calculate 95 percent UCLs, EPA has determined that as skewness increases, the actual confidence that the true mean is below the calculated UCL becomes less than 95 percent (EPA, 2002a). For this reason, they suggest calculating Chebychev UCLs with larger confidence (i.e., 97.5 percent or 99 percent) for sample sets demonstrating increased skewness. The standard deviations of log-transformed data were used to access this skewness. When the standard deviation of log-transformed data was between 0.5 and 1, a 95 percent Chebychev UCL was calculated. When this standard deviation was between 1 and 2, a 97.5 percent UCL was calculated, while a 99 percent Chebychev UCL was calculated when this standard deviation was greater than 2.

With this simple calculation, the Chebychev UCL does not make as full a use of the distributional information of a sample data set as does the bootstrap t approach. The bootstrap t approach is known, however, to offer very elevated UCLs when one or more outliers are present in the data. The Chebychev UCL, although typically rather elevated relative to other methods of calculating UCLs, offers an alternative to the bootstrap t when it becomes unusually high. Thus the bootstrap t UCL was typically used, but the designated Chebychev UCL was chosen when the calculated bootstrap t UCL exceeded it.

Tables 3-3 and 3-4 present the calculated EPCs for the COCs that were found above conservative PRGs for each of the exposure pathways and exposure areas along with the summary of carcinogenic and noncarcinogenic risks (see Section 3.5). Due to the large size of a hard copy table, descriptive summary statistics and the results of the statistical testing can be found in electronic form for all detected constituents (DataSummaryHH.xls) on the attached CD along with the entire database used for this RA.

3.3.5 Chemical Intake

Intake variables (exposure factors) are used to calculate estimates of chemical intake. Table 3-1 summarized the exposure factors used in the HHRA and provides the source of those factors (i.e., EPA default values or site-specific information about receptor activities). The equations used to calculate estimates of chemical intakes (and inhalation exposure concentrations) associated with surface or subsurface material ingestion, dermal contact, and inhalation exposures are provided below. It should be noted that these equations are the same equations used to calculate conservative PRGs simply rearranged to now calculate intake.

The following equation was used to estimate surface soil, subsurface soil, sediment, groundwater, and surface water ingestion intakes:

$$CDI = \frac{C \times IR \times EF \times ED \times CF}{BW \times AT}$$

Where:

CDI = Chronic daily intake (milligrams per kilogram per day [mg/kg-day])
C = Chemical concentration (i.e., EPC) in surface soil, subsurface soil, sediment, groundwater, and surface water (ppm)
IR = Surface or subsurface material ingestion rate (mg/day)
EF = Exposure frequency (days/year)
ED = Exposure duration (years)
CF = Conversion factor (10^{-6} kg/mg)
BW = Body weight (kg)
AT = Averaging time (days)

The following equation was used to estimate surface soil, subsurface soil, and sediment dermal contact intakes:

$$CDI = \frac{C_S \times SA \times AF \times ABS \times EF \times ED \times CF}{BW \times AT}$$

Where:

CDI = Chronic daily intake (mg/kg-day)
C_s = Chemical concentration (i.e., EPC) in surface soil, subsurface soil or sediment(ppm)
SA = Exposed skin surface area (square centimeters [cm^2])
AF = Soil-to-skin adherence factor (mg/cm^2)
ABS = Dermal absorption factor (unitless)
EF = Exposure frequency (days/year)
ED = Exposure duration (years)
CF = Conversion factor (10^{-6} kg/mg)
BW = Body weight (kg)
AT = Averaging time (days)

The following equation was used to estimate surface and groundwater dermal contact intakes:

$$CDI = \frac{DA_{event} \ x \ SA \ x \ EF \ x \ ED}{BW \ x \ AT \ x \ 365 days / year}$$

where:

CDI = Chronic daily intake (mg/kg-day)

Da_{event} = Dermal adsorbed dose per event (mg/cm^2day

SA = Skin surface area (cm^2)

EF = Exposure frequency (days per year)

ED = Exposure duration (years)

BW = Body weight (kg)

AT = Averaging time (70 years for carcinogens and ED for noncarcinogens)

The dermally absorbed dose per event (DA_{event}) for inorganic and organic parameters is estimated using the approach presented in *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E* (EPA, 2001). The equation for estimating the DA_{event} for inorganic parameters is calculated using the following equation:

$$DA_{event}(inorganics) = K_p \ x \ C_w \ x \ t_{event}$$

where K_p for inorganics is 0.001 cm/hr. The value for t_{event} is assumed to be 8 hours per event.

The equation for estimating the DA_{event} for organic parameters is shown below (EPA, 2001). The following procedure is used to estimate DA_{event} values for organics:

STEP 1. Estimate K_p (cm/hour):

$$Log\ K_p = -2.80 + 0.66\ log\ K_{ow} - 0.0056\ MW$$

Log K_{ow} and molecular weight (MW) values used in this equation are presented in Table B-2 in *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E* (EPA, 2001).

STEP 2. Calculate B (dimensionless):

$$B = K_p \frac{\sqrt{MW}}{2.6}$$

STEP 3. Calculate the diffusion coefficient through skin, D_{sc} (cm²/hour) from the following equation, assuming that 1_{sc} = 10 µm = 10^{-3} cm:

$$Log \frac{D_{sc}}{l_{sc}} = -2.80 - 0.0056MW$$

STEP 4. Calculate τ (hour) from the following equation, assuming that l_{sc} = 10 µm = 10^{-3} cm:

$$\tau = \frac{l_{sc}^2}{6 D_{sc}}$$

STEP 5. Calculate the time needed to achieve steady-state t* (hour), based on the value of B:

$$If\ \ B \leq 0.6,\ then\ t^* = 2.4\tau$$

$$If\ B > 0.6,\ then\ t^* = 6\left(b - \sqrt{b^2 - c^2}\right)\tau$$

where:

$$b = \frac{1 + 2B}{3}$$

$$c = \frac{1 + 3B + 3B^2}{3(1 + B)}$$

STEP 6. Calculate DA_{event} (mg/cm²-event):

$$If\ t_{event} \leq t^*, then: DA_{event} = 2K_p C_w \sqrt{\frac{6\tau t_{event}}{\pi}}$$

$$If\ t_{event} > t^*, then: DA_{event} = K_p C_w \left[\frac{t_{event}}{1+B} + 2\tau\left(\frac{1 + 3B + 3B^2}{(1+B)^2}\right)\right]$$

The dermal adsorbed dose calculations are provided in Appendix C, C-5.

The inhalation concentrations associated with volatile and fugitive dust emissions from surface soil, subsurface soil, or sediment brought to the surface by construction activities are calculated using the following equation to estimate ambient air concentrations from surface and subsurface material (i.e., inhalation intakes):

$$IC = \frac{C_S \times (1/PEF + 1/VF) \times EF \times ED}{AT}$$

Where:

IC = Inhalation concentration (milligram per cubic meter [mg/m^3])
C_s = Chemical concentration (i.e., EPCs) in surface or subsurface material (ppm)
PEF = Particulate emission factor (m^3/kg)
VF = Volatilization factor (m^3/kg)
EF = Exposure frequency (days/year)
ED = Exposure duration (years)
AT = Averaging time (days)

The following equation was used to estimate intakes associated with inhalation of VOCs from surface and groundwater:

$$CDI = \frac{C_{gw} \times K \times IR \times EF \times ED}{BW \times AT}$$

where:

CDI	Chronic daily intake (mg/kg-day)
C_{gw}	Chemical concentration (i.e., EPC)in groundwater (mg/L)
K	Volatilization factor (0.5 L/m^3)
IR	Inhalation rate (m^3/day)
EF	Exposure frequency (days/year)
ED	Exposure duration (years)
BW	Body weight (kg)
AT	Averaging time (days)

3.3.6 Inhalation Exposures from Surface and Subsurface Soil, Sediment, and Groundwater

Inhalation of COCs adsorbed to respirable particles (PM_{10}) from surface and subsurface soil, and sediment was assessed using particulate emission factors (PEFs) that were calculated according to the methodology in *Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites* (EPA, 2001b). The PEF is an estimate of the relationship between the chemical concentration in soil and the concentration in respirable particles in air resulting

from fugitive dust emissions. The relationship was derived by Cowherd (1985) for a rapid assessment procedure applicable to a typical hazardous waste site where the surface contamination provides a relatively continuous and constant potential for emissions over an extended period of time (years). The PEF represents an annual average emission rate based on wind erosion that should be compared with chronic health criteria.

Site-specific assumptions regarding the size of the site and the location (constants for the PEF equations were selected based on data for Miami, FL) were used in the calculations. The site-specific assumptions and calculated PEFs are:

Industrial Worker – considering the entire facility size of 211 acres a PEF of 4.23×10^8 m^3/kg was calculated (Table 3-1).

Construction Worker – assuming the aerial extent of a construction event would be up to 1 acre in size, a PEF of 7.24×10^7 m^3/kg was calculated (Table 3-1).

Maintenance Worker – considering that fugitive dust from water-covered sediments is not realistic, the PEF for this scenario assumes that only a portion of the sediments in the Effluent Channel and Holding Pond are exposed to air. The Holding Pond is 0.7 acres in size and the Effluent Channel is about 4 acres in size. It was assumed that about 20 percent (1 acre) of the total area would represent exposed sediment. Therefore, for this scenario, a site size of 1 acre was used to calculate a PEF of 4.98×10^6 m^3/kg (Table 3-1).

Trespasser – similar to the maintenance worker scenario, it was assumed that a total of 1-acre of sediments were exposed to air. Using this value for site size, a PEF of 2.39×10^9 m^3/kg was calculated (Table 3-1).

Volatilization factors (VFs) for VOCs in soil, subsurface soil, and sediment were calculated according to the methodology in *Supplemental Guidance for Developing Soil Screening Levels for Superfund Sites* (EPA, 2001b). The same assumptions for the size of exposure areas for the various pathways described above for the PEFs were used for the VFs. The spreadsheets used to calculate the PEFs and VFs are included in Appendix C, C-4.

Volatilization of COCs from groundwater, and the subsequent mass transport of these vapors into indoor spaces constitutes a potential inhalation exposure pathway (EQM, 2003). The Johnson and Ettinger model was used to assess this potential exposure pathway for the AES facility, Las Mareas, and the administration building on CPCPRC exposure areas. Based on the modeling results, risk-based concentrations (RBCs) were derived. Groundwater data in the areas of interest were then compared to these RBCs (details of this modeling effort are provided in Appendix C (C-3).

3.4 Toxicity Assessment

The toxicity assessment describes the relationship between chemical exposure and the potential for occurrence of adverse health effects. This assessment provides, where possible, a numerical estimate of the potential for adverse health effects associated with chemical exposure (EPA, 1989a). This section also includes a brief description of the toxicity values used to characterize potential health risks from exposure to the COCs.

The COCs are classified into two broad categories: carcinogens and noncarcinogens. This classification is used because separate toxicity values are used and potential health risks are calculated differently for carcinogenic and noncarcinogenic effects. Data from toxicity studies with laboratory animals or from epidemiological studies of human populations were used to develop the toxicity values. In the risk characterization step (see Section 3.5), toxicity values are combined with exposure intakes to develop numerical estimates of carcinogenic health risks for carcinogenic COCs and hazard indices (HIs) for noncarcinogenic COCs.

The oral toxicity values (cancer slope factors and reference doses [RfDs]), inhalation toxicity values (unit risk factors), and reference concentrations (RfCs) used in the risk assessment were obtained from the following sources (in order of hierarchy):

- **IRIS (Integrated Risk Information System).** Database available online through the National Center for Environmental Assessment (NCEA) in Cincinnati, Ohio. IRIS is maintained by EPA (EPA, 2004a).
- **PPRTVs (Provisional Peer Reviewed Toxicity Values).** The Office of Research and Development/National Center for Environmental Assessment/Superfund Health Risk Technical Support Center (STSC) develops PPRTVs on a chemical specific basis when requested by EPA's Superfund program (EPA, 2004b).
- **Region 9 PRGs 2002 Table.** A summary table that presents generic PRGs and toxicity values used to calculate the PRGs. Toxicity values on this table are summarized from IRIS, the Health Effects Assessment Summary Tables (HEAST) (EPA, 1997a), and National Center for Environmental Assessment provisional values (EPA, 2002b).

Dermal toxicity values are not provided in these sources. Therefore, oral toxicity values were used to evaluate the dermal contact exposure route. Uncertainties associated with using oral toxicity factors for evaluating dermal exposure are presented in Section 3.6.3.

3.4.1 Toxicity Information for Noncarcinogenic Effects

Estimates of noncarcinogenic effects are evaluated using RfDs (oral and dermal exposures) and RfCs (inhalation exposures). The RfD and RfC are threshold values based on specific toxic effects. In general, the RfD or RfC is an estimate (with uncertainty of an order of magnitude or more) of a daily exposure to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime of exposure (EPA, 1989a). The RfDs and RfCs used for this HHRA are provided in Appendix C (C-2).

3.4.2 Toxicity Information for Carcinogenic Effects

Evidence of carcinogenicity of a chemical comes from two sources: lifetime studies with laboratory animals and/or human studies where potential cancer risk is associated with chemical exposure. Unless there is evidence to the contrary, if a carcinogenic response occurs at the exposure levels studied (typically high doses), it is conservatively assumed that carcinogenic responses can occur at all lower doses. Exposure to any level of a carcinogen is assumed to have the potential to induce cancer (i.e., no toxic threshold exists).

Because potential risks at low levels of exposure cannot be quantified directly by either animal or epidemiological studies, mathematical models are used to extrapolate from high

to low doses. The linearized multistage model for low dose extrapolation is recommended by regulatory agencies (EPA, 1986). Use of the linearized multistage model leads to a conservative upper-bound estimate of potential risk. The linearized multistage model incorporates a procedure for estimating the 95 percent UCL on the maximum likelihood estimate of the slope. Often the most sensitive animal species studied is used for extrapolation to humans (i.e., humans are assumed to be as sensitive as the most sensitive animal species tested). Given the conservative nature of the approach for estimating health risks for carcinogens, the actual risk is likely to be lower than the estimate calculated using these assumptions, and could be zero.

Numerical estimates of potential cancer potency for a chemical are provided as slope factors (SFs) (for ingestion and dermal exposures) or unit risk factors (URFs) (for inhalation exposures). Assuming dose-response linearity at low doses, SFs and URFs define the potential ELCR from a continuous lifetime exposure to the carcinogen. SFs and URFs are expressed in units of potential risk per mg/kg-day and as risk per microgram per cubic meter ($\mu g/m^3$) in inhaled air, respectively.

3.5 Risk Characterization

Risk characterization involves estimating the magnitude of potential adverse health effects from exposure to COCs. This estimation is accomplished by combining the estimated intakes (exposure levels) and toxicity factors to provide numerical estimates of potential carcinogenic health risks and HIs for noncarcinogenic COCs. Risk characterization also considers the nature and weight of evidence supporting these estimates, as well as the magnitude of uncertainty surrounding the estimates.

For this HHRA, risks were calculated for the exposure areas for each receptor group. In addition, cumulative risks were calculated assuming some of the receptor groups may engage in multiple activities during a day and consequently be exposed to various environmental media in several exposure areas. Risk estimates are presented in this section based on COC concentrations. Potential risks associated with naturally occurring metals that were eliminated as COCs are presented in Appendix C-6. This approach is consistent with EPA comments on previous risk assessment related submittals.

The risk estimates are intended to provide the basis for management decisions and do not predict actual health outcomes. The estimates are based on conservative (health-protective) assumptions and, thus, actual risks are likely to be less than these estimates, and might be zero.

3.5.1 Approach for Noncarcinogenic Health Effects

Hazard Quotients (HQs) were calculated for each COC by exposure route. The HQ was calculated as the ratio of the estimated intake (or inhalation concentration) to the RfD (or RfC) as follows:

$$HQ = \frac{Intake}{RfD} \text{ or } HQ = \frac{Inhalation\ \ Concentration}{RfC}$$

If the estimated daily intake for any COC exceeds its RfD (or inhalation concentration exceeds its RfC), the HQ will exceed 1. An HQ that exceeds 1 indicates that there is a potential for adverse health effects associated with exposure to that COC, but it does not indicate the actual level of risk.

A HI approach is used to assess the potential for noncarcinogenic health effects posed by more than one COC and by one or more COCs to which a receptor might be exposed by more than one exposure route. The HI approach assumes that simultaneous subthreshold exposures to several COCs or exposure routes are additive. The HI is equal to the sum of the HQs, and is calculated as follows:

$$HI = \frac{I_1}{RfD_1 \text{ or } RfC_1} + \frac{I_2}{RfD_2 \text{ or } RfC_2} + \cdots + \frac{I_i}{RfD_i \text{ or } RfC_i}$$

Where:

I = Intake level [CDI] (mg/kg-day) or inhalation concentration (mg/m^3)
RfD = Chronic reference dose (mg/kg-day)
RfC = Chronic reference concentration (mg/m^3)
I_i = Intake level (intake) for the *i*th chemical
RfD_i = Reference dose for the *i*th chemical
RfC_i = Reference concentration for the *i*th chemical

If the HI exceeds 1.0, there is a potential for systemic effects.

3.5.2 Approach for Assessing Potential Cancer Risks

The ELCR for an individual COC is calculated as the product of the intake and the SF for the COC:

$$Risk = Intake \times SF$$

Estimated ELCRs from exposure to multiple carcinogenic COCs and multiple exposure pathways were assumed to be additive based on EPA carcinogen risk assessment guidelines (EPA, 1986).

3.5.3 Approach for Lead

There are no EPA-approved toxicity values for lead. Therefore, the potential risks associated with exposure to lead were evaluated by comparing the detected concentrations of lead in exposure areas where lead is a COC to the exposure pathway specific-PRG for lead (e.g., the action level of 15 μg/L for residential drinking water).

3.5.4 Summary of Potential Risks by Receptor Group

The potential carcinogenic health risks for carcinogenic COCs and the HIs for noncarcinogenic COCs are summarized below, by receptor group, for each exposure area identified in the exposure assessment. The risk calculation spreadsheets from which these summary tables are taken are provided in Appendix C (C-2). The risk spreadsheets in

Appendix C present risk calculations for all identified COCs for each exposure pathway and each exposure route (i.e., dermal, inhalation, and ingestion).

Industrial Worker

Potential risks associated with exposures of industrial workers to surface soil via incidental ingestion, dermal contact, and inhalation were quantified for the onsite exposure area (Table 3-3).

For the onsite exposure area, the cumulative potential ELCR for the three exposure routes (8×10^{-6}) is within EPA's acceptable risk range (i.e., 1×10^{-6} to 1×10^{-4}). The HI associated with exposure to surface soil was not calculated because there were no noncarcinogenic COCs for this exposure area.

As discussed in Section 3.3.2, there is the potential for AES workers in the administration building and the coal conveyance structure to be exposed to VOCs that have volatilized from groundwater into indoor air. Details of the input values and results of the screening level evaluation for the indoor air pathway are presented in a Technical Memorandum in Appendix C (C-3) and are summarized here.

Indoor Air Exposure. RBCs were developed for detected VOCs in the AES area and near the administration building on the CPCPRC site. The RBCs are based on conservative modeling assumptions (see Appendix C, C-3) and a target carcinogenic risk threshold of 1×10^{-6} and a target HI of 0.1 for noncarcinogenic affects. The RBCs represent the concentrations in groundwater below which no adverse affects to indoor air are expected for a building conservatively assumed to be constructed directly above the contaminated groundwater. The results of the modeling (Johnson and Ettinger Model, June 2003) indicate that benzene was the only chemical that exceeded the RBC in the AES area and the CPCPRC administration building areas. It should be noted that none of the locations where benzene RBC was exceeded was within 300 feet of any structure.

Examination of Plate 5 shows that the area within the mapped plume is expected to be above the RBCs while the areas outside the mapped plume are below the RBCs. Again, the occupied structures on AES are outside the area of the mapped plume. In fact, benzene was not found in monitoring wells or Geoprobes™ directly adjacent to these structures.

It is important to note that using the RBCs in a comparison to the groundwater concentrations assumes that the building in which the receptor resides is directly above the area where the groundwater concentration was collected. Considering this and the current extent of benzene, the vapor intrusion pathway is currently incomplete.

Construction Worker

Potential risks associated with exposures to surface soil, subsurface soil, and shallow groundwater via incidental ingestion, dermal contact, and inhalation were quantified for 10 construction worker exposure areas (Tables 3-3 and 3-4).

Shallow Groundwater. For the AES exposure area, the cumulative potential ELCR associated with exposure to shallow groundwater is $4 \times 10^{-4,}$ which is above the EPA acceptable risk range. The combined HI for the pathways is 100. As shown in Tables 3-3 and 3-4, the major contributor to this risk is potential exposure to benzene in shallow groundwater.

For the Beach exposure area, the cumulative potential ELCR associated with exposure to shallow groundwater was not calculated because there were no carcinogenic COCs for this exposure area. The combined HI for these pathways (0.2) is well below the threshold value of one.

For the East Boundary exposure area, the cumulative potential ELCR associated with exposure to shallow groundwater (1×10^{-2}) is above EPA's acceptable risk range. The combined HI for the pathways is 3,000. The major contributor to this risk is potential exposure to benzene in shallow groundwater.

For the West Boundary exposure area, the potential ELCR associated with exposure to shallow groundwater (1×10^{-3}) is above EPA's acceptable risk range. The HI is 400. The major contributor to this risk is potential exposure to benzene in shallow groundwater.

For the East exposure area, the potential ELCR associated with exposure to shallow groundwater (7×10^{-7}) is below EPA's acceptable risk range. The HI for this pathway (0.02) is well below the threshold value of one.

For the Las Mareas exposure area, the cumulative potential ELCR associated with exposure to shallow groundwater was not calculated because there were no carcinogenic COCs for this exposure area. The HI for these pathways (0.20) is well below the threshold value of one.

For the onsite exposure area, the cumulative potential ELCR associated with exposure to shallow groundwater (6×10^{-4}) is above EPA's acceptable risk range. The combined HI for these pathways is 200. The major contributor to this risk is potential exposure to benzene in shallow groundwater.

For the PRASA exposure area, the cumulative potential ELCR associated with exposure to shallow groundwater (4×10^{-5}) is within EPA's acceptable risk range. The combined HI for these pathways is 10. The major contributor to this risk is potential exposure to benzene in shallow groundwater.

For the South exposure area, the potential ELCR associated with exposure to shallow groundwater (3×10^{-5}) is within EPA's acceptable risk range. The combined HI for these pathways (9) is above the threshold value of one. The sole contributor to this risk is potential exposure to benzene in shallow groundwater.

For the West exposure area, the cumulative potential ELCR associated with exposure to shallow groundwater (5×10^{-7}) is below EPA's acceptable risk range. The combined HI for these pathways (0.20) is well below the threshold value of one.

Subsurface Soil. For the AES exposure area, the cumulative potential ELCR associated with exposure to subsurface soil is $7 \times 10^{-7,}$ which is below the EPA acceptable risk range. The combined HI for the pathways is 0.60, which is below the threshold value of one.

For the East Boundary exposure area, the cumulative potential ELCR associated with exposure to subsurface soil (3×10^{-5}) is within EPA's acceptable risk range. The combined HI for the pathways is 9. The major contributor to this risk is potential exposure to benzene in subsurface soil.

For the onsite exposure area, the cumulative potential ELCR associated with exposure to subsurface soil (2×10^{-5}) is within EPA's acceptable risk range. The combined HI for these pathways is 8. The major contributor to this risk is potential exposure to benzene in subsurface soil.

For the PRASA exposure area, the cumulative potential ELCR associated with exposure to subsurface soil (3×10^{-6}) is within EPA's acceptable risk range. The combined HI for these pathways is 2. The major contributor to this risk is potential exposure to benzene in subsurface soil.

For the West exposure area, the cumulative potential ELCR associated with exposure to subsurface soil was not calculated because there were no carcinogenic COCs for this exposure area. The combined HI for these pathways (0.50) is well below the threshold value of one.

Sediment. For the AES exposure area, the cumulative potential ELCR associated with exposure to sediment is $4 \times 10^{-7,}$ which is below the EPA acceptable risk range. The combined HI for the pathways is 0.90, which is below the threshold value of one.

For the onsite exposure area, the cumulative potential ELCR associated with exposure to sediment (1×10^{-5}) is within EPA's acceptable risk range. The combined HI for these pathways is 40. The major contributors to this risk is potential exposure to benzene and mercury in sediment.

Mercury is not considered a threat to human health because the inhalation component of the PRG is based on elemental mercury, which is not found in natural systems.

Surface Soil. The cumulative potential ELCR and HI associated with construction worker exposure to surface soil were not calculated because there were no carcinogenic or noncarcinogenic COCs for any of the exposure areas.

Maintenance Workers

Potential risks associated with exposure to sediment and surface water in the Effluent Channel, Ditches, and Holding Pond in the undeveloped AES exposure area through incidental ingestion, inhalation, and dermal contact were quantified for the maintenance worker scenario (Table 3-3 and 3-4).

Sediment. For the Channel exposure area, the cumulative potential ELCR associated with exposure to sediment (3×10^{-6}) is within EPA's acceptable risk range. The combined HI for these pathways is 0.60, which is below the threshold value of one.

For the Holding Pond exposure area, the cumulative potential ELCR associated with exposure to sediment (1×10^{-6}) is below EPA's acceptable risk range. The combined HI for these pathways is 0.04, which is well below the threshold value of one.

Surface Water. For the Channel exposure area, the cumulative potential ELCR associated with exposure to surface water (6×10^{-6}) is within EPA's acceptable risk range. The combined HI for these pathways is 0.07, which is well below the threshold value of one.

For the Ditches exposure area, the cumulative potential ELCR associated with exposure to surface water (6×10^{-6}) is below EPA's acceptable risk range. The combined HI for these pathways is 0.20, which is below the threshold value of one.

Offsite Residents

Although there are no wells currently being used as drinking water sources in the offsite areas, potential risks associated with exposure to groundwater through ingestion, inhalation of VOCs, and dermal contact were quantified for future (currently, no use) offsite residents (Table 3-3 and 3-4).

The cumulative potential ELCR from exposure to deep groundwater (4×10^{-2}) is above EPA's acceptable risk range. The combined HI for deep groundwater (900) is above the threshold value of one. The major contributor to this risk is potential exposure to benzene in deep groundwater.

The cumulative potential ELCR from exposure to shallow groundwater ($1 \times 10^{+0}$) is above EPA's acceptable risk range. The combined HI for shallow groundwater (20,000) is above the threshold value of one. The major contributor to this risk is potential exposure to benzene in shallow groundwater.

As expected, the estimates of potential risks to hypothetical residents using groundwater are high and are driven by benzene. These risk estimates are based on the fact the group of wells used to quantify risk include wells that are located within or near the mapped plumes. As stated previously (Section 3.3.2), CPCPRC took this approach in keeping with its desire to develop conservative estimates of potential risk associated with facility-impacted media. It is unlikely that a resident would install a well in the areas of the mapped plumes and, therefore, it is unlikely a resident would be exposed to levels observed in the mapped plumes

Under the actual current conditions in offsite areas, the residential exposure to groundwater via a domestic well pathway is incomplete because there are no domestic wells constructed near the facility. Therefore, under current conditions there is no risk of exposure.

In Las Mareas, the only community downgradient of the facility, residents obtain their water from a PRASA potable water pipeline and no wells currently exist in the community other than the monitoring wells installed and monitored by CPCPRC. In CPCPRC's monitoring wells (MW-166 and DMW-2) constructed in residents' backyards (i.e., the most likely place for a resident to construct a well in the future), benzene has not been detected.

This observation is in line with the key conclusion drawn overall for the site based on data evaluations performed in this HHRA:

- Where BTEX occurs in groundwater, there is the potential for risk, and benzene drives that risk. In areas outside the plumes, risk is minimal or absent.

Regarding metals in groundwater, CPCPRC has carried the metals COCs through the HHRA to present a comprehensive RA. Based on the risk calculations, the only metals that individually have ELCRs greater than 1×10^{-5} or HIs greater than 1 are arsenic, iron, and manganese, which are shown to be extremely minor risk contributors in shallow groundwater and arsenic, iron, manganese, and vanadium, which are shown to be minor risk contributors in deep groundwater (Tables 3-3 and 3-4).

For all these metals, the average concentrations onsite are less than average concentrations measured in offsite areas. As described in detail in Appendix C-6, the average concentrations for these metals are found in the Beach, Mareas, and West areas. Because lower concentrations are found closest to the facility and higher concentrations are found farthest from the facility, these metals are not considered facility-related.

The residential shallow and deep groundwater EPCs for lead were below the action level of 15 μg/L for drinking water.

Indoor Air Exposure. As discussed in Section 3.3.2, there is the potential for offsite residents in the Las Mareas exposure area to VOCs that have volatilized from groundwater into indoor air within their homes.

The RBCs were developed for the Las Mareas area based on conservative modeling assumptions (see Appendix C, C-3) and a target carcinogenic risk threshold of 1×10^{-6} and a target HI of 0.1 for noncarcinogenic affects. The RBCs represent the concentrations in groundwater below which no adverse affects to indoor air are expected for a residence conservatively assumed to be constructed directly above the contaminated groundwater.

None of the detected concentrations of VOCs in groundwater in the Las Mareas area exceeded conservative RBCs. Considering this and the current extent of benzene (Plate 5), the vapor intrusion pathway is currently incomplete and it is unlikely that the indoor air pathway is a significant exposure pathway for offsite residents.

Trespassers

Potential risks associated with exposure to sediment and surface water in the AES, Effluent Channel, and Ditches exposure areas through incidental ingestion, inhalation, and dermal contact were quantified for the trespasser scenario (Tables 3-3 and 3-4).

Sediment. For the AES exposure area, the cumulative potential ELCR from the three exposure routes (1×10^{-5}) is within EPA's acceptable risk range. The HI for this exposure scenario (3) is above the threshold value of one. The major contributor to this risk is potential exposure to iron in sediment.

For the Effluent Channel exposure area, the cumulative potential ELCR from exposure to sediment (1×10^{-5}) is within EPA's acceptable risk range. The HI for this exposure scenario

(2) is above the threshold value of one. The largest contributor to this risk is potential exposure to iron in sediment.

Surface Water. For the AES exposure area, the cumulative potential ELCR from the three exposure routes (2×10^{-6}) is within EPA's acceptable risk range. The HI for this exposure scenario (0.02) is well below the threshold value of one.

For the Effluent Channel exposure area, the cumulative potential ELCR from exposure to surface water (3×10^{-5}) is within EPA's acceptable risk range. The HI for this exposure scenario is 1.

For the Ditches exposure area, the cumulative potential ELCR from exposure to surface water (2×10^{-5}) is within EPA's acceptable risk range. The HI for this exposure scenario is 0.60, which is below the threshold value of one.

3.5.5 Cumulative Risk from Multiple Activities

There are two receptor groups above that have the potential for exposure at several different exposure areas because they may engage in multiple activities during a day. The following potential multiple exposures were evaluated as part of the HHRA and these multiple exposure scenarios are consistent with those agreed to in comment and response to comment (Technical Review of Revised CMS Work Plan, February 2001):

- CPCPRC Worker – it is plausible that a CPCPRC worker may work daily at the facility, clear vegetation from the Effluent Channel, and also be involved in onsite construction/excavation work. During these activities, the individual may be exposed to surface soil, Effluent Channel surface water and sediment, shallow groundwater, and subsurface soil contamination.
- Offsite Resident – it is plausible that an offsite resident could be exposed to contaminated shallow or deep groundwater via domestic water wells. This resident could also be a trespasser in the Effluent Channel and potentially be exposed to Effluent Channel surface water and sediment. Because of these actions, the individual may be exposed to shallow and deep groundwater contamination and surface water and sediment contamination in the Effluent Channel.

It should be noted that CPCPRC has not performed any area- or time-weighting of the cumulative risks from multiple activities. The uncertainty associated by not accounting for area- or time-weighting is discussed later (Section 3.6.4).

CPCPRC Worker

The potential cumulative ELCR for CPCPRC workers that may be engaged in the multiple activities listed above is 6×10^{-4}, which is above EPA's acceptable risk range. This cumulative ELCR was calculated as follows:

> Industrial Worker Surface Soil 8×10^{-06} + Maintenance Worker Channel Surface Water 6×10^{-06} + Maintenance Worker Channel Sediment 3×10^{-06} + Construction Worker Onsite Shallow Groundwater 6×10^{-04} + Construction Worker Onsite Subsurface Soil 2×10^{-05} + Construction Worker Onsite Sediment 1×10^{-05}

This calculation reveals that contact with benzene in shallow groundwater during construction drives the risk.

For non-carcinogens, the HI for the multiple scenarios is 250, which is above EPA's acceptable risk threshold of one. This cumulative HI was calculated as follows:

> Maintenance Worker Channel Surface Water 0.07 + Maintenance Worker Channel Sediment 0.6 + Construction Worker Onsite Shallow Groundwater 200 + Construction Worker Onsite Subsurface Soil 8 + Construction Worker Onsite Sediment 40

Again, the calculation reveals that the major contributor to this potential risk is exposure to benzene in shallow groundwater during future construction activities.

Resident

The potential cumulative risk for offsite residents that may be engaged in the multiple activities listed above is $1 \times 10^{+0}$, which is above EPA's acceptable risk range. This cumulative ELCR was calculated as follows:

> Resident shallow groundwater $1 \times 10^{+0}$ + Resident deep groundwater 4×10^{-02} + Trespasser Channel Sediment 1×10^{-05} + Trespasser Channel Surface Water 3×10^{-05}

For non-carcinogens, the HI for the multiple scenarios is 20,900, which is above EPA's acceptable risk threshold of one. This cumulative HI was calculated as follows:

> Resident shallow groundwater 20,000 + Resident deep groundwater 900 + Trespasser Channel Sediment 3 + Trespasser Channel Surface Water 1

Again, the calculations reveal that the major contributor to this potential risk is exposure to benzene in groundwater (shallow and deep) during potential future groundwater use via a domestic well.

3.6 Uncertainty Assessment

This section presents a discussion of the uncertainties associated with the estimates of potential health risk provided in this baseline HHRA. The following subsections discuss uncertainty with respect to the four steps of the HHRA process.

3.6.1 Uncertainties Related to Hazard Identification

The purpose of data evaluation is to determine which chemicals, if any, are present at the CPCPRC site at concentrations warranting quantification of risk. Uncertainty with respect to data evaluation can arise from many sources, such as the quality of data used to characterize the site and the process to select the data for evaluation in the HHRA.

The screening process used to select COCs for evaluation in the HHRA was intended to include all chemicals with concentrations high enough to be of concern for the protection of public health. Because the COC screening procedures used maximum detected concentrations in the process, the COC selection process was sufficiently conservative so that potential sources of public health threats were not overlooked.

Some metals were eliminated as COCs based on background comparisons. Potential risks associated with these naturally occurring metals are presented in Appendix C-6.

For lead, PRGs were not established for the following exposure pathways: construction worker exposure to groundwater, maintenance worker exposure to surface water, and trespasser exposure to surface water. Consequently, the status of lead as a COPC or COC for those pathways was not determined. However, since the lead EPCs for the residential groundwater pathways (shallow and deep groundwater) did not exceed the action level of 15 μg/L, it is not likely that lead in groundwater would pose an unacceptable risk to constructions workers. Since lead was not a COPC in sediment and lead has not been detected above the action in surface water since December 1999, it is also not likely that lead in surface water would pose an unacceptable risk to maintenance workers or trespassers.

This process also included an evaluation of analytical detection limits (DLs) and reporting limits (RLs) to ensure that chemicals could be detected at concentrations of concern. Although some chemicals were not detected in any samples and had some detection limits that exceeded PRGs, the risk estimates are not significantly affected by excluding these chemicals as COCs. These chemicals are not anticipated to be associated with facility operations. Descriptive statistics for the non-detects are provided on the attached CD (NonDetects.xls).

The constituents listed in NonDetects.xls include heavier polynuclear aromatic hydrocarbons (PAHs), chemicals with hetero-atom functionality (i.e., nitro, amino, chloro, or thio functionality) or chemicals with high boiling points. These constituents are not expected from the facility considering that the CPCPRC facility was primarily a naphtha fractionation facility prior to 2001. It received naphtha already preprocessed in a refinery into a fraction with a nominal upper boiling point of ~100°C. Depending on the source of the naphtha the upper boiling range could be as high as 200°C. Even in the higher boiling fraction, there would be a minimal expectation to find the groups of constituents listed in NonDetects.xls.

Data from multiple sampling efforts were used in the HHRA. Although some interim actions have been completed at the facility, samples were included in the PRG comparisons to select COPCs even though they may not represent current conditions (e.g., located in areas where interim actions have occurred.) The locations where interim actions occurred were considered in the selection of final COCs for certain chemicals. However, risks could be overestimated by including historical data in areas of interim actions for COCs that were retained.

3.6.2 Uncertainties Related to Exposure Assessment

In identifying potentially complete exposure pathways for the HHRA, assumptions were made about current and future activities that occur onsite and in offsite areas near the facility (e.g., trespassers are wading in the Effluent Channel). These assumptions may result in an over- or under-estimation of risk depending on what actual activities occur in these onsite and offsite areas.

The quantification of exposure consists of two basic steps: estimation of potential EPCs and estimation of potential human intake. Potential sources of uncertainty associated with these two steps are discussed below.

Estimation of Exposure Point Concentrations

The objective of a baseline risk assessment is to estimate risks associated with average exposure over an area that is contacted on a daily basis (i.e., exposure area). The EPC is used to represent the average concentration for the COCs in an exposure area. Uncertainties associated with these EPCs may be due to uncertainties in the data set or the statistical protocols followed to calculate the EPCs.

It is assumed when calculating EPCs that the data sets are spatially representative of all parts of the exposure area and the sample locations are not biased toward "hot spots" or clean areas. However, locations of RFI samples for some of the exposure areas/ environmental media that were evaluated in this HHRA were purposely collected in areas of suspected releases (e.g., onsite soil samples) or known plume areas (e.g., monitoring well locations). Consequently, the EPCs may be over-estimated.

The EPC used in the exposure assessment is the 95 percent UCL of the mean chemical concentration. However, if the 95 percent UCL concentration exceeded the maximum detected concentration, then the maximum detected concentration was used as the EPC. The practice of using the maximum detected concentration, in certain cases as the EPC, is likely to result in an overestimation of some EPCs and consequently, result in an overestimate of risks.

A simplifying assumption was made that EPCs remain constant for the duration of exposure. Physical, chemical, or biological processes that could reduce chemical concentrations over time were not factored into the estimates of the EPCs. Use of this conservative assumption likely contributes to an overestimation of exposure.

Estimation of Potential Intake

When estimating potential human intakes (i.e., doses) from theoretical exposures through various pathways, several assumptions are made. Uncertainty is associated with assumptions concerning rates of ingestion, frequency and duration of exposure, and bioavailability of the chemicals in the medium. Whenever possible, site-specific information was used in the HHRA to establish the exposure assumptions used in the risk calculations. However, for some scenarios (e.g., residential use of groundwater), site-specific information (i.e., no domestic use) is not considered and standard default assumptions of intake area used. Typically, when site-specific information is not available to establish these assumptions, conservative (i.e., health-protective) estimates of potential exposure are used (e.g., EPA default values) that may result in overestimates of risk.

3.6.3 Uncertainties Related to Toxicity Information

The concentration of COCs to which people are potentially exposed in an environmental setting is usually much less than the concentrations used in the studies from which dose-response relationships are developed. Estimating potential health effects from environmental exposures, therefore, requires the use of models that allow extrapolation of health effects from high experimental doses (where effects can be measured) to low environmentally relevant doses. These models contain conservative assumptions that have uncertainties associated with them.

Uncertainties are associated with estimated noncarcinogenic toxicity values. For many noncarcinogenic effects, protective mechanisms are believed to exist in the human body that must be overcome before an adverse effect is manifested (EPA, 1989a). As a result, there is a range of exposures (from zero to some finite value) that can be tolerated by the human body with essentially no expression of adverse effects. In developing a noncarcinogenic toxicity value, the approach is to identify the upper bound of this tolerance range (e.g., the maximum subthreshold level). Because there is variability within the human population, attempts are made to identify a subthreshold level that is protective of sensitive individuals in the population. For most chemicals, this level can only be estimated. Noncarcinogenic toxicity values (RfDs and RfCs) incorporate uncertainty factors that indicate the degree of extrapolation used to derive the estimated value. RfD and RfC summaries in IRIS also contain a statement expressing the overall confidence that the evaluators have in the RfD or RfC (high, medium, or low). RfDs and RfCs are considered to have uncertainty spanning an order of magnitude or more, and, therefore, RfDs and RfCs should not be viewed as a strict scientific demarcation between toxic and nontoxic levels (EPA, 1989a).

The lack of a demonstrated threshold in dose-response relationships for carcinogens is generally interpreted by regulatory agencies to mean that a finite risk of cancer exists, even at very low doses of the carcinogen. EPA Slope Factors (SFs) typically are derived using the 95 percent UCL of the slope predicted by the linearized multistage model. The multistage model assumes that carcinogenesis results from a series of interactions between the carcinogenic chemical and deoxyribonucleic acid (DNA), with the rate of interactions linearly related to dose. EPA recognizes that this method produces conservative risk estimates and that there are other mathematical models.

Dermal toxicity values are not available in IRIS, PPRTV, or Region 9 PRGs Table. Therefore, oral toxicity values were used to evaluate dermal exposure. Draft guidance from EPA (EPA, 2001b) provides a draft methodology for adjusting oral toxicity values to be used in calculating risks for dermal exposure. Adjustment factors are available for 11 of the metals that were detected (antimony, barium, beryllium, cadmium, chromium III, chromium VI, manganese, mercury, nickel, silver, and vanadium). As shown on Tables 3-3 and 3-4, metals are not major risk drivers for the environmental media or exposure pathways evaluated in this risk assessment. In addition, for pathways where metals are evaluated as COCs, generally the dermal pathway is not a significant contributor to the risk or Hazard Index (e.g., HQs for dermal exposure are generally at least an order of magnitude lower than the HQs for oral exposure). Consequently, using unadjusted oral toxicity factors to evaluate dermal exposure is not likely to result in a significant underestimation of cumulative risks.

3.6.4 Uncertainties Related to Risk Characterization

The potential risk of adverse human health effects is characterized based on estimated potential exposures and estimated dose-response relationships. Two important additional sources of uncertainty are introduced in this phase of the HHRA: the evaluation of potential simultaneous exposure to multiple COCs and the combination of upper-bound exposure estimates with upper-bound toxicity estimates.

According to EPA guidance, after calculating the potential health risk from each COC, the total ELCR (and HI) posed by the exposure pathway is estimated by combining the estimated ELCR (and HQs) from each COC. Currently, additivity is assumed unless there is

evidence indicating that the chemicals interact synergistically (a combined effect that is greater than a simple addition of potential individual effects) or antagonistically (a combined effect that is less than a simple addition of potential individual effects) with each other. For virtually all combinations of chemicals, there is little, if any, evidence of interaction. Therefore, additivity is assumed. Additivity can either lead to an underestimation or overestimation of risk, depending on the chemical combination.

Additionally, CPCPRC has not taken account of time weighting or area weighting of potential risk from multiple exposures and has simply added carcinogenic effects and noncarcinogenic effects for postulated multiple exposures. The ability for a receptor to actually physically perform all the activities in a multiple exposure scenario may be unrealistic and overestimate risk.

The Johnson and Ettinger model was used to estimate potential risks associated with exposure to VOCs from groundwater that may volatilize to indoor air. The following represent the major assumptions and limitations of the Johnson and Ettinger model (EPA, 2003):

- That the structure is directly above the contamination which is not the case for the AES area.
- Contaminant vapors enter the structure primarily through cracks and openings in the walls and foundation.
- Convective transport occurs primarily within the building zone of influence and vapor velocities decrease rapidly with increasing distance from the structure.
- Diffusion dominates vapor transport between the source of contamination and the building zone of influence.
- All vapors originating from below the building will enter the building unless the floors and walls are perfect vapor barriers.
- All soil properties in any horizontal plane are homogeneous.
- The contaminant is homogeneously distributed within the zone of contamination.
- The areal extent of contamination is greater than that of the building floor in contact with the soil.
- Vapor transport occurs in the absence of convective water movement within the soil column (i.e., evaporation or infiltration), and in the absence of mechanical dispersion.
- The model does not account for transformation processes (e.g., biodegradation, hydrolysis, etc.).
- The soil layer in contact with the structure floor and walls is isotropic with respect to permeability.

Uncertainties are associated with these assumptions and may result in over- or under-estimation of potential exposure to indoor air.

Use of the RBCs based on vapor intrusion assume the receptor works or resides in a building that is directly over the source of the COCs. This is not the case in the AES facility exposure area – the plume is not below any structure but is currently beneath a lined surface water impoundment. In addition, the AES facility exposure area involves an industrial worker exposure scenario at two structures: the administration building and a coal conveyance structure; however, only the administration building would be continually occupied by humans during operation of the plant. The coal conveyance structure would be periodically occupied by humans during repairs or maintenance activities and would not likely present a significant vapor intrusion/inhalation risk. Consequently, the screening evaluation presented in Appendix C (C-3) is a conservative estimate of potential exposure to indoor air in the AES exposure area.

In the Las Mareas exposure area, although many homes are built on concrete piers, it has been conservatively assumed that the standard home is constructed as slab on grade. In addition, the windows of the houses consist of insect screens and louvers (i.e., no glass windows observed), likely resulting in a higher air exchange rate than the standard 0.25 per hour that is used in the modeling. As with the AES exposure area, the screening evaluation for the Las Mareas exposure area is a conservative estimate of potential exposure to indoor air.

3.6.5 Summary of Sources of Uncertainty

There is uncertainty naturally associated with any quantitative evaluation including the development of estimates of potential risks from releases from the CPCPRC site. While it is theoretically possible that this uncertainty leads to underestimates of potential risk, the use of numerous upper-bound and other health-protective assumptions more likely results in overestimates of potential risks. Any one individual's potential exposure and subsequent potential risk are influenced by all the exposure and toxicity parameters mentioned in this section and will vary on a case-by-case basis. Despite inevitable uncertainties associated with the steps used to estimate potential health risks, the use of numerous health-protective assumptions most likely leads to an overestimate of potential risks from exposure to environmental media at the CPCPRC facility and offsite areas.

3.7 Summary

Summaries of potential ELCRs and HIs for each receptor group are provided below. In addition, the exposure pathways that are the major contributors to risks are discussed along with the key uncertainties associated with the risk estimates for those exposure pathways.

3.7.1 Industrial Worker

For the industrial worker receptor group, potential ELCRs and HIs are within EPA's acceptable risk range for the onsite exposure area (There were no carcinogenic or noncarcinogenic COC for the AES exposure area). In addition, the screening evaluation for potential exposure of industrial workers to VOCs in indoor air in the AES exposure area indicates that although some groundwater wells in the area have historical concentrations of benzene that exceed the RBCs, the Geoprobes™ and monitoring wells adjacent to and in the

immediate vicinity of the AES structures do not have detectable concentrations of benzene (< 1 ppb).

3.7.2 Construction Worker

For the construction worker receptor group, shallow groundwater in the East area, Las Mareas area, the Beach area, and the West area do not pose unacceptable risk to the construction worker from either carcinogens or non-carcinogens. The AES and West areas do not pose unacceptable risk to the construction worker via contact with subsurface soil from either carcinogens or non-carcinogens. The AES area poses no unacceptable risk to the construction worker via contact with sediment from either carcinogens or non-carcinogens. Consistent with previous observations, these areas pose no unacceptable risk because they are outside the areas where groundwater plumes have been mapped.

The remaining areas that were evaluated have either potential ELCRs or HIs that exceed EPA's acceptable risk range. The main exposure pathway that contributes to these risks is potential exposure to benzene in shallow groundwater through the inhalation exposure route. For exposure to sediment onsite, the HI was above the threshold value. The main exposure pathway that contributes to this risk is potential exposure to benzene and to mercury through the inhalation exposure route. However, it is noted that mercury is not considered a threat to human health because the inhalation component of the PRG is based on elemental mercury, which is not found in natural systems.

These results support the major finding of this HHRA that:

> In those places where benzene is found at elevated levels in groundwater (see Plate 5 in Appendix B) potential for risk exists. Outside those areas, risk is minimal or absent.

3.7.3 Trespassers

For the trespasser receptor group, the potential ELCR and HI were within EPA's acceptable risk range for exposure to surface water in the AES, Effluent Channel, and Ditches exposure areas. For exposure to sediment in the AES and Effluent Channel areas, the HI was above the threshold value. The main exposure pathway that contributes to these risks is potential exposure to iron in sediment through the oral exposure route.

3.7.4 Offsite Residents

The potential ELCR for both shallow ($1 \times 10^{+0}$) and deep groundwater (4×10^{-2}) are above EPA's acceptable risk range due to benzene. The HI for the shallow groundwater (20,000) and for deep groundwater (900) are also above risk thresholds due to benzene. Again, it should be stated that there are currently no drinking water wells and, therefore, there is no contact with groundwater and this pathway is currently incomplete

The screening evaluation for potential exposure of residents to VOCs in indoor air in the Las Mareas area indicates that none of the detected concentrations of VOCs in groundwater in the Las Mareas area exceed conservative RBCs. Considering this and the current extent of benzene, the vapor intrusion pathway is currently incomplete and it is unlikely that the indoor air pathway is a significant exposure pathway for offsite residents.

3.8 Conclusions

CPCPRC's final HHRA represents a culmination of refinements of previous drafts of the HHRA and incorporates EPA comments on those previous drafts and new data collected after June 2001. The quantitative evaluation of analyzed constituents in facility media performed in the HHRA supports what has been intuitively apparent during data evaluation upfront of this HHRA that:

> Benzene in groundwater and subsurface soil drives potential risk and that where benzene is found at elevated levels in groundwater (i.e., the mapped plumes presented in Plate 5), potential for risk exists.

As described in Section 3.6 above, some uncertainties are naturally associated with any quantitative evaluation of data. As described, these uncertainties may either bias the results of the analysis towards an overestimate of potential risk or an underestimate of potential risk. Although there is some degree of uncertainty, the magnitude of that uncertainty does not prevent one from reaching an accurate conclusion regarding the potential risks associated with inadvertent releases of petroleum hydrocarbons from the site that:

> Benzene in groundwater and subsurface soil drives potential risk and that where benzene is found at elevated levels in groundwater, potential for risk exists.

3.9 References

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TABLE 3-2
Chemicals of Potential Concern (COPC) and Justification for Elimination (units are in ppb)

Risk Scenarios	Area	Parameter Name	Samples	Detects	Detects >PRG	Detection Frequency (%)	PRG	PRG-Basis	Max Det (ppb)	Is the Chemical a COC?	Basis for eliminating chemical as a COC
CW_GWS	AES	4-METHYLPHENOL	46	6	2	13	4.98E+01	NC	7.00E+01	YES	NA
		BENZENE	55	26	22	47	8.01E+01	NC	4.50E+05	YES	NA
		ETHYLBENZENE	55	13	2	24	1.65E+03	C	2.60E+03	YES	NA
		IRON, TOTAL	53	53	1	100	4.62E+05	NC	8.16E+05	YES	NA
		MERCURY, TOTAL	50	7	3	14	8.74E-01	NC	1.80E+00	YES	NA
		NAPHTHALENE	54	20	20	37	8.71E+00	NC	8.00E+01	YES	NA
		PHOSPHORUS	34	34	33	100	3.08E+01	NC	2.20E+03	NO	4
		PHOSPHORUS, TOTAL	15	3	6	20	3.08E+01	NC	3.20E+03	NO	4
		TOLUENE	55	17	9	31	1.07E+03	NC	2.00E+04	YES	NA
		XYLENES (TOTAL)	55	15	14	27	2.87E+02	NC	3.00E+04	YES	NA
	BEACH	IRON, TOTAL	9	9	1	100	4.62E+05	NC	9.85E+05	YES	NA
		PHOSPHORUS	3	3	3	100	3.08E+01	NC	1.90E+03	NO	4
		PHOSPHORUS, TOTAL	5	4	4	80	3.08E+01	NC	3.80E+03	NO	4
	BOUNDARY-EAST	1,2,4-TRIMETHYLBENZENE	10	3	2	30	1.74E+01	NC	1.00E+03	YES	NA
		1,2-DICHLOROETHANE	102	3	4	3	1.43E+01	NC	2.58E+03	NO	1
		2,4-DIMETHYLPHENOL	77	32	4	42	1.97E+02	NC	6.82E+02	YES	NA
		4-METHYLPHENOL	75	35	26	47	4.98E+01	NC	5.03E+02	YES	NA
		ACETONE	89	5	3	6	1.02E+03	NC	4.22E+03	YES	NA
		BENZENE	114	94	83	82	8.01E+01	NC	2.30E+07	YES	NA
		BIS(2-ETHYLHEXYL)PHTHALATE	80	24	2	30	1.75E+02	NC	8.40E+04	YES	NA
		ETHYLBENZENE	111	49	26	44	1.65E+03	C	1.16E+04	YES	NA
		NAPHTHALENE	90	56	58	62	8.71E+00	NC	6.70E+03	YES	NA
		PHENOL	81	56	2	69	5.94E+03	NC	7.60E+03	YES	NA
		PHOSPHORUS	48	48	48	100	3.08E+01	NC	1.85E+03	NO	4
		PHOSPHORUS, TOTAL	32	14	20	44	3.08E+01	NC	5.90E+02	NO	4
		TOLUENE	114	60	47	53	1.07E+03	NC	9.40E+05	YES	NA
		XYLENES (TOTAL)	113	65	57	58	2.87E+02	NC	5.70E+05	YES	NA
	BOUNDARY-WEST	1,2-DICHLOROETHANE	38	2	1	5	1.43E+01	NC	3.57E+01	YES	NA
		2,4-DINITROTOLUENE	35	1	1	3	2.02E+01	NC	1.42E+02	NO	1
		2-NITROANILINE	34	1	1	3	2.92E-01	NC	8.40E+00	NO	1
		3-NITROANILINE	34	1	1	3	2.89E+00	NC	6.50E+00	NO	1
		4-METHYLPHENOL	32	18	3	56	4.98E+01	NC	8.50E+01	YES	NA
		BENZENE	43	28	27	65	8.01E+01	NC	8.99E+05	YES	NA
		BENZO(A)PYRENE	35	1	1	3	2.60E-01	C	4.30E+01	NO	1
		DI-N-OCTYL PHTHALATE	35	1	1	3	1.65E+01	NC	3.97E+01	NO	1
		ETHYLBENZENE	42	16	5	38	1.65E+03	C	3.00E+03	YES	NA
		HEXACHLOROETHANE	35	2	1	6	9.12E+00	NC	1.22E+01	YES	NA
		MERCURY, TOTAL	34	4	2	12	8.74E-01	NC	3.10E+00	YES	NA
		NAPHTHALENE	35	18	20	51	8.71E+00	NC	1.30E+02	YES	NA
		N-NITROSO-DI-N-PROPYLAMINE	35	2	2	6	1.01E+00	C	5.90E+00	YES	NA
		PHOSPHORUS	16	16	16	100	3.08E+01	NC	7.50E+03	NO	4
		PHOSPHORUS, TOTAL	14	6	9	43	3.08E+01	NC	1.23E+04	NO	4
		TERT-BUTYL METHYL ETHER	24	12	1	50	8.67E+03	NC	9.24E+03	YES	NA
		TOLUENE	42	21	15	50	1.07E+03	NC	4.10E+04	YES	NA
		XYLENES (TOTAL)	42	20	18	48	2.87E+02	NC	4.10E+04	YES	NA

TABLE 3-2
Chemicals of Potential Concern (COPC) and Justification for Elimination (units are in ppb)

Risk Scenarios	Area	Parameter Name	Samples	Detects	Detects >PRG	Detection Frequency (%)	PRG	PRG-Basis	Max Det (ppb)	Is the Chemical a COC?	Basis for eliminating chemical as a COC
	EAST	BENZENE	79	7	1	9	8.01E+01	NC	1.80E+03	YES	NA
		NAPHTHALENE	77	1	1	1	8.71E+00	NC	2.80E+00	NO	1
		PHOSPHORUS	26	22	22	85	3.08E+01	NC	4.90E+02	NO	4
		PHOSPHORUS, TOTAL	33	14	17	42	3.08E+01	NC	1.30E+03	NO	4
		XYLENES (TOTAL)	79	5	1	6	2.87E+02	NC	3.60E+02	YES	NA
	MAREAS	IRON, TOTAL	9	9	2	100	4.62E+05	NC	5.64E+05	YES	NA
		MERCURY, TOTAL	9	3	1	33	8.74E-01	NC	1.20E+00	YES	NA
		PHOSPHORUS	3	3	3	100	3.08E+01	NC	3.30E+03	NO	4
		PHOSPHORUS, TOTAL	6	6	6	100	3.08E+01	NC	1.60E+03	NO	4
	ONSITE	1,2,4-TRIMETHYLBENZENE	18	2	2	11	1.74E+01	NC	4.07E+03	YES	NA
		2,4-DIMETHYLPHENOL	81	7	1	9	1.97E+02	NC	1.10E+03	YES	NA
		2-METHYLPHENOL	102	11	1	11	4.98E+02	NC	6.40E+02	YES	NA
		4-METHYLPHENOL	79	8	3	10	4.98E+01	NC	5.00E+02	YES	NA
		ACETONE	108	5	3	5	1.02E+03	NC	2.50E+05	YES	NA
		AROCLOR-1242	2	1	1	50	9.26E-01	C	1.07E+00	YES	NA
		BENZENE	164	87	63	53	8.01E+01	NC	1.70E+06	YES	NA
		BIS(2-ETHYLHEXYL)PHTHALATE	96	25	2	26	1.75E+02	NC	4.80E+02	YES	NA
		CHLOROFORM	136	1	1	1	8.77E+00	NC	1.70E+01	NO	1
		ETHYLBENZENE	149	37	18	25	1.65E+03	C	2.47E+04	YES	NA
		IRON, TOTAL	140	139	2	99	4.62E+05	NC	6.51E+05	YES	NA
		ISOPROPYLBENZENE	18	2	1	11	9.12E+02	NC	3.35E+03	YES	NA
		MERCURY, TOTAL	126	28	15	22	8.74E-01	NC	1.59E+01	YES	NA
		NAPHTHALENE	140	38	33	27	8.71E+00	NC	2.17E+03	YES	NA
		N-BUTYLBENZENE	18	1	1	6	4.07E+02	NC	4.60E+02	YES	NA
		PHOSPHORUS	50	49	48	98	3.08E+01	NC	1.36E+03	NO	4
		PHOSPHORUS, TOTAL	33	14	17	42	3.08E+01	NC	3.20E+03	NO	4
		TOLUENE	165	43	29	26	1.07E+03	NC	2.40E+05	YES	NA
		XYLENES (TOTAL)	164	60	42	37	2.87E+02	NC	6.30E+05	YES	NA
	PRASA	BENZENE	9	3	3	33	8.01E+01	NC	1.20E+04	YES	NA
		IRON, TOTAL	9	9	1	100	4.62E+05	NC	6.90E+05	YES	NA
		PHOSPHORUS	4	4	4	100	3.08E+01	NC	1.50E+03	NO	4
		PHOSPHORUS, TOTAL	4	2	3	50	3.08E+01	NC	2.10E+03	NO	4
		XYLENES (TOTAL)	9	1	1	11	2.87E+02	NC	6.70E+02	YES	NA
	SOUTH	BENZENE	74	6	1	8	8.01E+01	NC	7.64E+04	YES	NA
		PHOSPHORUS	38	36	36	95	3.08E+01	NC	1.02E+03	NO	4
		PHOSPHORUS, TOTAL	19	10	11	53	3.08E+01	NC	8.70E+03	NO	4
	WEST	ARSENIC, TOTAL	31	16	1	52	4.62E+02	NC	1.00E+03	YES	NA
		BENZENE	41	7	1	17	8.01E+01	NC	2.08E+02	YES	NA
		NAPHTHALENE	39	4	1	10	8.71E+00	NC	1.35E+01	YES	NA
		PHOSPHORUS	16	16	16	100	3.08E+01	NC	4.20E+02	NO	4
		PHOSPHORUS, TOTAL	17	13	15	76	3.08E+01	NC	1.10E+03	NO	4
		XYLENES (TOTAL)	41	4	1	10	2.87E+02	NC	1.24E+03	YES	NA
CW_SB	AES	ARSENIC	13	13	2	100	8.52E+03	NC	1.64E+04	YES	NA
		IRON	10	10	10	100	9.02E+06	NC	5.18E+07	YES	NA
		MANGANESE	10	10	10	100	3.05E+05	NC	1.00E+06	NO	3
		MERCURY	13	10	7	77	1.19E+01	NC	2.40E+01	NO	3

TABLE 3-2
Chemicals of Potential Concern (COPC) and Justification for Elimination (units are in ppb)

Risk Scenarios	Area	Parameter Name	Samples	Detects	Detects >PRG	Detection Frequency (%)	PRG	PRG-Basis	Max Det (ppb)	Is the Chemical a COC?	Basis for eliminating chemical as a COC
	BEACH	IRON	4	4	4	100	9.02E+06	NC	4.70E+07	NO	3
		MANGANESE	4	4	4	100	3.05E+05	NC	9.69E+05	NO	3
		MERCURY	4	2	1	50	1.19E+01	NC	1.50E+01	NO	3
	BOUNDARY-EAST	BENZENE	5	3	3	60	9.92E+02	NC	8.20E+04	YES	NA
		TOLUENE	5	2	1	40	1.86E+04	NC	5.06E+04	YES	NA
		XYLENES (TOTAL)	5	2	1	40	7.43E+03	NC	5.93E+04	YES	NA
	MAREAS	IRON	3	3	3	100	9.02E+06	NC	4.62E+07	NO	3
		MANGANESE	3	3	2	100	3.05E+05	NC	1.05E+06	NO	3
		MERCURY	3	2	2	67	1.19E+01	NC	3.40E+01	NO	3
	ONSITE	1,1,2-TRICHLOROETHANE	73	1	1	1	1.10E+03	NC	2.10E+04	NO	1
		BENZENE	83	26	19	31	9.92E+02	NC	5.70E+05	YES	NA
		ETHYLBENZENE	78	27	10	35	4.16E+04	C	2.30E+05	YES	NA
		IRON	2	2	2	100	9.02E+06	NC	3.21E+07	NO	3
		MANGANESE	2	2	2	100	3.05E+05	NC	8.20E+05	NO	3
		MERCURY	23	3	3	13	1.19E+01	NC	2.91E+02	NO	3
		NAPHTHALENE	33	3	2	9	2.04E+03	NC	4.20E+03	YES	NA
		TOLUENE	78	18	11	23	1.86E+04	NC	1.70E+05	YES	NA
		VANADIUM	2	2	1	100	2.10E+05	NC	3.19E+05	YES	NA
		XYLENES (TOTAL)	78	32	24	41	7.43E+03	NC	1.10E+06	YES	NA
	PRASA	BENZENE	4	2	1	50	9.92E+02	NC	1.00E+04	YES	NA
		IRON	4	4	4	100	9.02E+06	NC	5.03E+07	YES	NA
		MANGANESE	4	4	4	100	3.05E+05	NC	1.13E+06	YES	NA
		MERCURY	4	4	1	100	1.19E+01	NC	1.70E+01	NO	3
	WEST	IRON	5	5	5	100	9.02E+06	NC	4.79E+07	NO	3
		MANGANESE	5	5	5	100	3.05E+05	NC	1.67E+06	YES	NA
		MERCURY	7	5	1	71	1.19E+01	NC	1.60E+01	NO	3
CW_SD	AES	ARSENIC	20	20	1	100	8.52E+03	NC	9.00E+03	YES	NA
		IRON	20	20	20	100	9.02E+06	NC	4.87E+07	YES	NA
		MANGANESE	20	20	20	100	3.05E+05	NC	1.48E+06	YES	NA
		MERCURY	20	20	18	100	1.19E+01	NC	2.00E+01	NO	3
	ONSITE	ARSENIC	13	13	1	100	8.52E+03	NC	2.66E+04	YES	NA
		BENZENE	18	3	1	17	9.92E+02	NC	4.90E+04	YES	NA
		BENZO(A)PYRENE	16	4	2	25	2.09E+03	C	1.00E+04	YES	NA
		MERCURY	13	13	10	100	1.19E+01	NC	6.88E+03	YES	NA
		NAPHTHALENE	16	1	1	6	2.04E+03	NC	7.70E+03	YES	NA
		XYLENES (TOTAL)	16	3	2	19	7.43E+03	NC	1.00E+05	YES	NA
CW_SS	AES	IRON	10	10	10	100	9.02E+06	NC	5.64E+07	NO	2
		MANGANESE	10	10	10	100	3.05E+05	NC	1.34E+06	NO	2
		MERCURY	10	9	4	90	1.19E+01	NC	2.40E+01	NO	2
	BEACH	IRON	4	4	4	100	9.02E+06	NC	4.26E+07	NO	2
		MANGANESE	4	4	3	100	3.05E+05	NC	2.15E+06	NO	2
		MERCURY	4	4	3	100	1.19E+01	NC	2.10E+01	NO	2
	MAREAS	IRON	3	3	3	100	9.02E+06	NC	3.27E+07	NO	2
		MANGANESE	3	3	2	100	3.05E+05	NC	5.90E+05	NO	2
		MERCURY	3	3	1	100	1.19E+01	NC	3.80E+01	NO	2
	ONSITE	MERCURY	16	6	6	38	1.19E+01	NC	5.27E+02	NO	2

TABLE 3-2
Chemicals of Potential Concern (COPC) and Justification for Elimination (units are in ppb)

Risk Scenarios	Area	Parameter Name	Samples	Detects	Detects >PRG	Detection Frequency (%)	PRG	PRG-Basis	Max Det (ppb)	Is the Chemical a COC?	Basis for eliminating chemical as a COC
	PRASA	IRON	4	4	4	100	9.02E+06	NC	4.92E+07	NO	2
		MANGANESE	4	4	4	100	3.05E+05	NC	1.14E+06	NO	2
		MERCURY	4	4	1	100	1.19E+01	NC	1.30E+01	NO	2
	WEST	IRON	5	5	5	100	9.02E+06	NC	4.30E+07	NO	2
		MANGANESE	5	5	5	100	3.05E+05	NC	1.43E+06	NO	2
		MERCURY	5	5	3	100	1.19E+01	NC	1.90E+01	NO	2
IW_SS	AES	ARSENIC	10	9	7	90	1.59E+03	C	4.60E+03	NO	2
		IRON	10	10	10	100	2.88E+07	NC	5.64E+07	NO	2
		MANGANESE	10	10	1	100	1.32E+06	NC	1.34E+06	NO	2
	ONSITE	ARSENIC	16	12	9	75	1.59E+03	C	3.16E+03	NO	2
		BENZO(A)PYRENE	7	1	1	14	2.06E+02	C	1.30E+03	YES	NA
		BENZO(B)FLUORANTHENE	7	2	1	29	1.87E+03	C	2.40E+03	YES	NA
		MERCURY	16	6	6	38	2.59E+01	NC	5.27E+02	NO	2
MW_SD	CHANNEL	ARSENIC	56	48	2	86	5.96E+03	C	7.16E+03	YES	NA
		BENZENE	54	6	2	11	3.63E+02	C	1.20E+03	YES	NA
		CHROMIUM (VI)	25	9	1	36	2.12E+04	C	3.24E+04	YES	NA
		MANGANESE	43	43	18	100	4.33E+05	NC	2.05E+06	YES	NA
		MERCURY	55	20	16	36	3.61E+01	NC	7.50E+02	YES	NA
	HOLDING POND	CHROMIUM (VI)	6	4	1	67	2.12E+04	C	3.60E+04	YES	NA
		MANGANESE	6	6	1	100	4.33E+05	NC	4.95E+05	NO	3
		MERCURY	6	6	6	100	3.61E+01	NC	3.40E+02	NO	3
MW_SW	CHANNEL	BENZENE	41	5	3	12	1.20E+01	C	3.70E+02	YES	NA
		PHOSPHORUS	19	19	19	100	3.85E+01	NC	2.28E+03	NO	4
		PHOSPHORUS, TOTAL	17	15	16	88	3.85E+01	NC	9.10E+02	NO	4
	DITCHES	BENZENE	25	6	4	24	1.20E+01	C	1.60E+02	YES	NA
		ETHYLBENZENE	25	3	2	12	8.25E+01	C	2.82E+02	YES	NA
		XYLENES (TOTAL)	25	5	2	20	3.59E+02	NC	1.05E+03	YES	NA
	HOLDING POND	PHOSPHORUS, TOTAL	3	3	3	100	3.85E+01	NC	4.70E+02	NO	4
RES_GWD	DEEP	2,4-DIMETHYLPHENOL	171	2	1	1	5.09E+00	NC	1.40E+01	NO	1
		2-METHYLNAPHTHALENE	183	2	2	1	2.69E+00	NC	1.10E+01	NO	1
		2-METHYLPHENOL	176	1	1	1	1.28E+01	NC	3.60E+01	NO	1
		4-METHYLPHENOL	171	1	1	1	1.28E+00	NC	5.40E+01	NO	1
		ACETONE	203	2	2	1	3.06E+01	NC	7.00E+02	NO	1
		ANTIMONY, TOTAL	181	1	1	1	6.00E+00	MCL	8.00E+01	NO	1
		ARSENIC, TOTAL	192	43	13	22	5.00E+01	MCL	1.30E+02	YES	NA
		BARIUM, TOTAL	179	110	1	61	2.00E+03	MCL	4.77E+03	YES	NA
		BENZENE	246	80	68	33	5.00E+00	MCL	2.18E+05	YES	NA
		BERYLLIUM, TOTAL	181	2	2	1	4.00E+00	MCL	5.20E+00	NO	1
		BIS(2-ETHYLHEXYL)PHTHALATE	178	38	40	21	6.00E+00	MCL	7.80E+01	YES	NA
		CADMIUM, TOTAL	201	16	5	8	5.00E+00	MCL	1.90E+01	YES	NA
		CHROMIUM (VI), TOTAL	139	1	1	1	4.63E+00	NC	5.00E+01	NO	1
		CHROMIUM, TOTAL	181	15	3	8	1.00E+02	MCL	7.00E+02	YES	NA
		COBALT, TOTAL	134	5	4	4	3.12E+01	NC	4.00E+02	NO	1
		COPPER, TOTAL	200	29	3	15	1.30E+03	MCL	4.03E+03	YES	NA
		ETHYLBENZENE	246	23	4	9	7.00E+02	MCL	3.13E+03	YES	NA
		FLUORENE	183	4	1	2	7.98E+00	NC	1.20E+01	NO	1

TABLE 3-2
Chemicals of Potential Concern (COPC) and Justification for Elimination (units are in ppb)

Risk Scenarios	Area	Parameter Name	Samples	Detects	Detects >PRG	Detection Frequency (%)	PRG	PRG-Basis	Max Det (ppb)	Is the Chemical a COC?	Basis for eliminating chemical as a COC
		IRON, TOTAL	216	191	126	88	4.66E+02	NC	1.95E+06	YES	NA
		LEAD, TOTAL	201	13	2	6	1.50E+01	MCL	6.30E+01	YES	NA
		MANGANESE, TOTAL	191	173	156	91	3.73E+01	NC	3.64E+04	YES	NA
		METHYLENE CHLORIDE	224	18	6	8	5.00E+00	MCL	7.89E+01	YES	NA
		NAPHTHALENE	209	14	14	7	2.64E-01	NC	5.40E+01	YES	NA
		NICKEL, TOTAL	201	16	12	8	3.12E+01	NC	3.30E+02	YES	NA
		PHENOL	176	24	1	14	1.32E+02	NC	1.40E+03	YES	NA
		PHOSPHORUS	96	80	79	83	3.11E-02	NC	5.20E+03	NO	4
		PHOSPHORUS, TOTAL	81	16	22	20	3.11E-02	NC	3.00E+03	NO	4
		TERT-BUTYL METHYL ETHER	121	25	10	21	1.31E+01	C	1.98E+02	YES	NA
		TETRACHLOROETHENE	224	4	1	2	5.00E+00	MCL	7.00E+00	NO	1
		TOLUENE	247	27	7	11	1.00E+03	MCL	2.20E+04	YES	NA
		TRICHLOROETHENE	224	4	1	2	5.00E+00	MCL	5.40E+00	NO	1
		VANADIUM, TOTAL	181	19	17	10	1.09E+01	NC	4.99E+03	YES	NA
		XYLENES (TOTAL)	246	31	5	13	1.00E+04	MCL	1.30E+05	YES	NA
		ZINC, TOTAL	171	33	3	19	4.67E+02	NC	3.35E+03	YES	NA
RES_GWS	SHALLOW	1,1,2-TRICHLOROETHANE	546	1	1	0	5.00E+00	MCL	4.70E+00	NO	1
		1,2,4-TRIMETHYLBENZENE	42	5	5	12	5.29E-01	NC	4.07E+03	YES	NA
		1,2-DICHLOROETHANE	561	8	6	1	5.00E+00	MCL	2.58E+03	NO	1
		2,4-DIMETHYLPHENOL	431	51	49	12	5.09E+00	NC	1.10E+03	YES	NA
		2,4-DINITROTOLUENE	460	1	1	0	5.16E-01	NC	1.42E+02	NO	1
		2,6-DINITROTOLUENE	459	1	1	0	9.47E-02	C	9.80E+00	NO	1
		2-METHYLNAPHTHALENE	449	57	54	13	2.69E+00	NC	9.90E+01	YES	NA
		2-METHYLPHENOL	467	57	43	12	1.28E+01	NC	6.40E+02	YES	NA
		2-NITROANILINE	451	1	1	0	8.92E-03	NC	8.40E+00	NO	1
		3-NITROANILINE	451	1	1	0	7.47E-02	NC	6.50E+00	NO	1
		4-CHLOROANILINE	448	1	1	0	1.03E+00	NC	7.90E+00	NO	1
		4-METHYLPHENOL	423	67	71	16	1.28E+00	NC	5.03E+02	YES	NA
		ACETONE	494	24	10	5	3.06E+01	NC	2.50E+05	YES	NA
		ANTIMONY, TOTAL	478	17	11	4	6.00E+00	MCL	1.43E+02	NO	1
		AROCLOR-1242	5	1	1	20	5.00E-01	MCL	1.07E+00	YES	NA
		ARSENIC, TOTAL	510	160	5	31	5.00E+01	MCL	1.00E+03	YES	NA
		BARIUM, TOTAL	475	371	5	78	2.00E+03	MCL	5.20E+03	YES	NA
		BENZENE	630	266	229	42	5.00E+00	MCL	2.30E+07	YES	NA
		BENZO(A)PYRENE	472	1	1	0	2.00E-01	MCL	4.30E+01	NO	1
		BERYLLIUM, TOTAL	446	7	3	2	4.00E+00	MCL	5.60E+00	NO	1
		BIS(2-ETHYLHEXYL)PHTHALATE	464	123	116	27	6.00E+00	MCL	8.40E+04	YES	NA
		CADMIUM, TOTAL	533	52	27	10	5.00E+00	MCL	6.30E+01	YES	NA
		CHLOROMETHANE	549	2	3	0	1.50E+00	C	8.40E+00	NO	1
		CHROMIUM (VI), TOTAL	311	9	9	3	4.63E+00	NC	1.10E+02	NO	1
		CHROMIUM, TOTAL	491	120	35	24	1.00E+02	MCL	2.76E+04	YES	NA
		COBALT, TOTAL	358	79	43	22	3.12E+01	NC	6.45E+02	YES	NA
		COPPER, TOTAL	512	183	6	36	1.30E+03	MCL	2.12E+03	YES	NA
		DI-N-OCTYL PHTHALATE	472	1	1	0	3.60E-01	NC	3.97E+01	NO	1
		ETHYLBENZENE	604	125	71	21	7.00E+02	MCL	2.47E+04	YES	NA
		FLUORENE	457	46	35	10	7.98E+00	NC	1.50E+02	YES	NA

TABLE 3-2
Chemicals of Potential Concern (COPC) and Justification for Elimination (units are in ppb)

Risk Scenarios	Area	Parameter Name	Samples	Detects	Detects >PRG	Detection Frequency (%)	PRG	PRG-Basis	Max Det (ppb)	Is the Chemical a COC?	Basis for eliminating chemical as a COC
		HEXACHLOROETHANE	459	2	2	0	2.30E-01	NC	1.22E+01	NO	1
		IRON, FERROUS, TOTAL	2	1	1	50	4.66E+02	NC	6.80E+02	YES	NA
		IRON, TOTAL	548	543	465	99	4.66E+02	NC	9.85E+05	YES	NA
		ISOPROPYLBENZENE	42	2	2	5	2.35E+01	NC	3.35E+03	YES	NA
		LEAD, TOTAL	539	82	18	15	1.50E+01	MCL	4.40E+02	YES	NA
		MANGANESE, TOTAL	500	497	478	99	3.73E+01	NC	3.47E+04	YES	NA
		MERCURY, TOTAL	513	66	9	13	2.00E+00	MCL	1.59E+01	YES	NA
		METHYLENE CHLORIDE	548	39	24	7	5.00E+00	MCL	6.00E+02	YES	NA
		NAPHTHALENE	554	139	146	25	2.64E-01	NC	6.70E+03	YES	NA
		N-BUTYLBENZENE	42	1	1	2	1.04E+01	NC	4.60E+02	NO	1
		NICKEL, TOTAL	516	189	163	37	3.12E+01	NC	1.32E+04	YES	NA
		N-NITROSO-DI-N-PROPYLAMINE	459	2	2	0	1.59E-03	C	5.90E+00	NO	1
		N-NITROSODIPHENYLAMINE	459	1	1	0	2.17E+00	C	4.00E+00	NO	1
		N-PROPYLBENZENE	42	1	1	2	8.72E+00	NC	1.18E+02	NO	1
		O-XYLENE	241	67	25	28	1.00E+04	MCL	4.10E+04	YES	NA
		PHENOL	475	130	63	27	1.32E+02	NC	7.60E+03	YES	NA
		PHOSPHORUS	240	233	231	97	3.11E-02	NC	7.50E+03	NO	4
		PHOSPHORUS, TOTAL	178	86	108	48	3.11E-02	NC	1.23E+04	NO	4
		SELENIUM, TOTAL	466	54	1	12	5.00E+01	MCL	5.72E+01	YES	NA
		SILVER, TOTAL	300	18	1	6	7.79E+00	NC	1.10E+01	YES	NA
		TERT-BUTYL METHYL ETHER	296	91	34	31	1.31E+01	C	9.24E+03	YES	NA
		TOLUENE	631	152	100	24	1.00E+03	MCL	9.40E+05	YES	NA
		VANADIUM, TOTAL	473	107	95	23	1.09E+01	NC	2.80E+03	YES	NA
		XYLENES (TOTAL)	627	184	78	29	1.00E+04	MCL	6.30E+05	YES	NA
		ZINC, TOTAL	448	147	14	33	4.67E+02	NC	2.20E+03	YES	NA
TRES_SD	AES	ARSENIC	20	20	20	100	3.82E+02	C	9.00E+03	YES	NA
		IRON	20	20	20	100	2.32E+06	NC	4.87E+07	YES	NA
		MANGANESE	20	20	20	100	1.85E+05	NC	1.48E+06	YES	NA
		VANADIUM	20	20	20	100	5.41E+04	NC	1.50E+05	YES	NA
	CHANNEL	ANTIMONY	41	5	4	12	3.09E+03	NC	9.00E+03	YES	NA
		ARSENIC	56	48	44	86	3.82E+02	C	7.16E+03	YES	NA
		BENZO(A)PYRENE	53	4	4	8	5.81E+01	C	4.79E+02	YES	NA
		CHROMIUM (VI)	25	9	1	36	2.32E+04	NC	3.24E+04	YES	NA
		DIBENZ(A,H)ANTHRACENE	53	2	2	4	5.81E+01	C	6.32E+02	NO	1
		INDENO(1,2,3-CD)PYRENE	53	3	1	6	5.81E+02	C	1.26E+03	YES	NA
		IRON	43	43	38	100	2.32E+06	NC	6.52E+07	YES	NA
		MANGANESE	43	43	32	100	1.85E+05	NC	2.05E+06	YES	NA
		MERCURY	55	20	8	36	1.82E+02	NC	7.50E+02	YES	NA
		NICKEL	46	41	1	89	1.55E+05	NC	1.99E+05	YES	NA
		VANADIUM	46	44	33	96	5.41E+04	NC	3.93E+05	YES	NA
TRES_SW	AES	ARSENIC, TOTAL	1	1	1	100	9.30E-01	C	1.70E+00	YES	NA
		PHOSPHORUS	1	1	1	100	6.44E-01	NC	1.90E+02	NO	4
	CHANNEL	ARSENIC, TOTAL	44	5	5	11	9.30E-01	C	1.10E+01	YES	NA
		BENZENE	41	5	4	12	4.09E+00	C	3.70E+02	YES	NA
		BIS(2-ETHYLHEXYL)PHTHALATE	42	2	2	5	2.33E+00	C	1.54E+01	YES	NA
		COPPER, TOTAL	40	12	1	30	1.29E+03	NC	1.30E+03	YES	NA

TABLE 3-2
Chemicals of Potential Concern (COPC) and Justification for Elimination (units are in ppb)

Risk Scenarios	Area	Parameter Name	Samples	Detects	Detects >PRG	Detection Frequency (%)	PRG	PRG-Basis	Max Det (ppb)	Is the Chemical a COC?	Basis for eliminating chemical as a COC
		IRON, TOTAL	35	33	5	94	9.66E+03	NC	5.25E+04	YES	NA
		MANGANESE, TOTAL	36	35	7	97	7.72E+02	NC	2.67E+03	YES	NA
		MERCURY, TOTAL	44	2	2	5	5.99E-01	NC	8.80E-01	YES	NA
		NICKEL, TOTAL	40	25	3	63	7.22E+02	NC	1.20E+03	YES	NA
		PHOSPHORUS	19	19	19	100	6.44E-01	NC	2.28E+03	NO	4
		PHOSPHORUS, TOTAL	17	15	16	88	6.44E-01	NC	9.10E+02	NO	4
		VANADIUM, TOTAL	41	29	13	71	2.25E+02	NC	5.10E+03	YES	NA
	DITCHES	BENZENE	25	6	5	24	4.09E+00	C	1.60E+02	YES	NA
		ETHYLBENZENE	25	3	2	12	2.08E+01	C	2.82E+02	YES	NA
		XYLENES (TOTAL)	25	5	2	20	1.51E+02	NC	1.05E+03	YES	NA

Basis Notes:

[1] Chemical was detected in less than 5 percent of the samples.

[2] Chemical concentration was found to have no statistically significant difference, be nominally different (p=0.05), or be significantly lower than background samples (Appendix A).

[3] The maximum detected value for the metal was below the background maximum detected value for surface soils. Background values were not available for subsurface soil and sediment. Background surface soil values were used for subsurface soil and sediment.

[4] Phosphorous and Phosphorus, Total – Consistent with rationale presented in the July 1999 *RFI Report*, and September 2000 revised CMS Work Plan, and July 2001 *Risk Characterization Report*, phosphorous was eliminated since the PRG for this chemical is based on white phosphorous, which is unstable in the natural environment and is not expected to be present in the surface or ground waters. The form of phosphorous commonly found in nature is phosphate.

NA = Chemical not eliminated

TABLE 3-3
Summary of Carcinogenic Risks by Scenario and Exposure Area (units are in ppb)

Risk Scenarios	Exposure Area	Chemical	EPC	Oral-PRG-C	Oral ELCR	% Oral ELCR	Dermal-PRG-C	Dermal ELCR	% Dermal ELCR	Inhal-PRG-C	Inhalation ELCR	% Inhalation ELCR	Combined- C-PRG	Combined ELCR	% Combined ELCR
CW_GWS	AES	4-METHYLPHENOL	1.61E+01												
		BENZENE	9.94E+04	3.25E+04	3.E-06	99.9%	3.25E+03	3.E-05	99.8%	2.62E+02	4.E-04	99.9%	2.41E+02	4.E-04	99.9%
		ETHYLBENZENE	1.01E+03	4.65E+05	2.E-09	0.1%	1.51E+04	7.E-08	0.2%	1.86E+03	5.E-07	0.1%	1.65E+03	6.E-07	0.1%
		IRON, TOTAL	1.22E+05												
		MERCURY, TOTAL	3.69E-01												
		NAPHTHALENE	2.16E+01												
		TOLUENE	2.66E+03												
		XYLENES (TOTAL)	4.63E+03												
	AES Total				**3.E-06**	**100.0%**		**3.E-05**	**100.0%**		**4.E-04**	**100.0%**		**4.E-04**	**100.0%**
	BEACH	IRON, TOTAL	8.54E+05												
	BEACH Total														
	BOUNDARY-EAST	1,2,4-TRIMETHYLBENZENE	1.00E+03												
		2,4-DIMETHYLPHENOL	9.73E+01												
		4-METHYLPHENOL	1.02E+02												
		ACETONE	4.22E+03												
		BENZENE	2.30E+06	3.25E+04	7.E-05	99.9%	3.25E+03	7.E-04	99.4%	2.62E+02	9.E-03	99.8%	2.41E+02	1.E-02	99.7%
		BIS(2-ETHYLHEXYL)PHTHALATE	7.67E+03	1.28E+05	6.E-08	0.1%	2.03E+03	4.E-06	0.5%	5.11E+02	2.E-05	0.2%	4.07E+02	2.E-05	0.2%
		ETHYLBENZENE	9.11E+03	4.65E+05	2.E-08	0.0%	1.51E+04	6.E-07	0.1%	1.86E+03	5.E-06	0.1%	1.65E+03	6.E-06	0.1%
		NAPHTHALENE	6.16E+02												
		PHENOL	9.70E+02												
		TOLUENE	7.56E+04												
		XYLENES (TOTAL)	5.10E+04												
	BOUNDARY-EAST Total				**7.E-05**	**100.0%**		**7.E-04**	**100.0%**		**9.E-03**	**100.0%**		**1.E-02**	**100.0%**
	BOUNDARY-WEST	1,2-DICHLOROETHANE	3.57E+01	1.97E+04	2.E-09	0.0%	6.58E+03	5.E-09	0.0%	7.86E+01	5.E-07	0.0%	7.74E+01	5.E-07	0.0%
		4-METHYLPHENOL	2.52E+01												
		BENZENE	3.06E+05	3.25E+04	9.E-06	99.5%	3.25E+03	9.E-05	99.7%	2.62E+02	1.E-03	99.3%	2.41E+02	1.E-03	99.4%
		ETHYLBENZENE	3.00E+03	4.65E+05	6.E-09	0.1%	1.51E+04	2.E-07	0.2%	1.86E+03	2.E-06	0.1%	1.65E+03	2.E-06	0.1%
		HEXACHLOROETHANE	5.78E+00	1.28E+05	5.E-11	0.0%	4.38E+03	1.E-09	0.0%	5.11E+02	1.E-08	0.0%	4.56E+02	1.E-08	0.0%
		MERCURY, TOTAL	7.70E-01												
		NAPHTHALENE	3.95E+01												
		N-NITROSO-DI-N-PROPYLAMINE	5.51E+00	2.56E+02	2.E-08	0.2%	1.46E+02	4.E-08	0.0%	1.02E+00	5.E-06	0.5%	1.01E+00	5.E-06	0.4%
		TERT-BUTYL METHYL ETHER	9.24E+03	5.42E+05	2.E-08	0.2%	3.60E+05	3.E-08	0.0%	2.04E+04	5.E-07	0.0%	1.87E+04	5.E-07	0.0%
		TOLUENE	1.37E+04												
		XYLENES (TOTAL)	1.44E+04												
	BOUNDARY-WEST Total				**9.E-06**	**100.0%**		**9.E-05**	**100.0%**		**1.E-03**	**100.0%**		**1.E-03**	**100.0%**
	EAST	BENZENE	1.66E+02	3.25E+04	5.E-09	100.0%	3.25E+03	5.E-08	100.0%	2.62E+02	6.E-07	100.0%	2.41E+02	7.E-07	100.0%
		XYLENES (TOTAL)	2.59E+01												
	EAST Total				**5.E-09**	**100.0%**		**5.E-08**	**100.0%**		**6.E-07**	**100.0%**		**7.E-07**	**100.0%**
	MAREAS	IRON, TOTAL	5.64E+05												
		MERCURY, TOTAL	1.01E+00												
	MAREAS Total														
	ONSITE	1,2,4-TRIMETHYLBENZENE	1.52E+03												
		2,4-DIMETHYLPHENOL	1.06E+02												
		2-METHYLPHENOL	5.00E+01												
		4-METHYLPHENOL	5.22E+01												
		ACETONE	1.93E+04												
		AROCLOR-1242	5.97E-01	8.94E+02	7.E-10	0.0%	1.25E+00	5.E-07	1.0%	3.58E+00	2.E-07	0.0%	9.26E-01	6.E-07	0.1%
		BENZENE	1.52E+05	3.25E+04	5.E-06	99.7%	3.25E+03	5.E-05	98.1%	2.62E+02	6.E-04	99.4%	2.41E+02	6.E-04	99.3%
		BIS(2-ETHYLHEXYL)PHTHALATE	4.47E+01	1.28E+05	3.E-10	0.0%	2.03E+03	2.E-08	0.0%	5.11E+02	9.E-08	0.0%	4.07E+02	1.E-07	0.0%
		ETHYLBENZENE	6.48E+03	4.65E+05	1.E-08	0.3%	1.51E+04	4.E-07	0.9%	1.86E+03	3.E-06	0.6%	1.65E+03	4.E-06	0.6%
		IRON, TOTAL	5.51E+04												

TABLE 3-3
Summary of Carcinogenic Risks by Scenario and Exposure Area (units are in ppb)

Risk Scenarios	Exposure Area	Chemical	EPC	Oral-PRG-C	Oral ELCR	% Oral ELCR	Dermal-PRG-C	Dermal ELCR	% Dermal ELCR	Inhal-PRG-C	Inhalation ELCR	% Inhalation ELCR	Combined- C-PRG	Combined ELCR	% Combined ELCR
		ISOPROPYLBENZENE	1.49E+03												
		MERCURY, TOTAL	9.92E-01												
		NAPHTHALENE	2.35E+02												
		N-BUTYLBENZENE	4.60E+02												
		TOLUENE	1.35E+04												
		XYLENES (TOTAL)	3.21E+04												
	ONSITE Total				**5.E-06**	**100.0%**		**5.E-05**	**100.0%**		**6.E-04**	**100.0%**		**6.E-04**	**100.0%**
	PRASA	BENZENE	8.70E+03	3.25E+04	3.E-07	100.0%	3.25E+03	3.E-06	100.0%	2.62E+02	3.E-05	100.0%	2.41E+02	4.E-05	100.0%
		IRON, TOTAL	6.90E+05												
		XYLENES (TOTAL)	4.31E+02												
	PRASA Total				**3.E-07**	**100.0%**		**3.E-06**	**100.0%**		**3.E-05**	**100.0%**		**4.E-05**	**100.0%**
	SOUTH	BENZENE	7.48E+03	3.25E+04	2.E-07	100.0%	3.25E+03	2.E-06	100.0%	2.62E+02	3.E-05	100.0%	2.41E+02	3.E-05	100.0%
	SOUTH Total				**2.E-07**	**100.0%**		**2.E-06**	**100.0%**		**3.E-05**	**100.0%**		**3.E-05**	**100.0%**
	WEST	ARSENIC, TOTAL	2.38E+02	1.19E+03	2.E-07	99.4%	1.81E+03	1.E-07	91.9%				7.18E+02	3.E-07	67.9%
		BENZENE	3.77E+01	3.25E+04	1.E-09	0.6%	3.25E+03	1.E-08	8.1%	2.62E+02	1.E-07	100.0%	2.41E+02	2.E-07	32.1%
		NAPHTHALENE	4.15E+00												
		XYLENES (TOTAL)	2.23E+02												
	WEST Total				**2.E-07**	**100.0%**		**1.E-07**	**100.0%**		**1.E-07**	**100.0%**		**5.E-07**	**100.0%**
CW_SB	AES	ARSENIC	9.72E+03	1.45E+04	7.E-07	100.0%	1.61E+05	6.E-08	100.0%	1.72E+06	6.E-09	100.0%	1.32E+04	7.E-07	100.0%
		IRON	4.58E+07												
	AES Total				**7.E-07**	**100.0%**		**6.E-08**	**100.0%**		**6.E-09**	**100.0%**		**7.E-07**	**100.0%**
	BOUNDARY-EAST	BENZENE	8.20E+04	3.94E+05	2.E-07	100.0%				2.99E+03	3.E-05	100.0%	2.97E+03	3.E-05	100.0%
		TOLUENE	5.06E+04												
		XYLENES (TOTAL)	5.93E+04												
	BOUNDARY-EAST Total				**2.E-07**	**100.0%**					**3.E-05**	**100.0%**		**3.E-05**	**100.0%**
	ONSITE	BENZENE	5.54E+04	3.94E+05	1.E-07	96.5%				2.99E+03	2.E-05	96.4%	2.97E+03	2.E-05	96.4%
		ETHYLBENZENE	2.87E+04	5.63E+06	5.E-09	3.5%				4.19E+04	7.E-07	3.6%	4.16E+04	7.E-07	3.6%
		NAPHTHALENE	1.08E+03												
		TOLUENE	2.27E+04												
		VANADIUM	2.53E+05												
		XYLENES (TOTAL)	1.70E+05												
	ONSITE Total				**1.E-07**	**100.0%**					**2.E-05**	**100.0%**		**2.E-05**	**100.0%**
	PRASA	BENZENE	1.00E+04	3.94E+05	3.E-08	100.0%				2.99E+03	3.E-06	100.0%	2.97E+03	3.E-06	100.0%
		IRON	5.03E+07												
		MANGANESE	1.13E+06												
	PRASA Total				**3.E-08**	**100.0%**					**3.E-06**	**100.0%**		**3.E-06**	**100.0%**
	WEST	MANGANESE	1.65E+06												
	WEST Total														
CW_SD	AES	ARSENIC	4.86E+03	1.45E+04	3.E-07	100.0%	1.61E+05	3.E-08	100.0%	1.72E+06	3.E-09	100.0%	1.32E+04	4.E-07	100.0%
		IRON	4.24E+07												
		MANGANESE	1.10E+06												
	AES Total				**3.E-07**	**100.0%**		**3.E-08**	**100.0%**		**3.E-09**	**100.0%**		**4.E-07**	**100.0%**
	ONSITE	ARSENIC	1.25E+04	1.45E+04	9.E-07	28.8%	1.61E+05	8.E-08	8.8%	1.72E+06	7.E-09	0.1%	1.32E+04	1.E-06	6.8%
		BENZENE	2.99E+04	3.94E+05	8.E-08	2.5%				2.99E+03	1.E-05	99.3%	2.97E+03	1.E-05	72.2%
		BENZO(A)PYRENE	6.14E+03	2.97E+03	2.E-06	68.7%	7.61E+03	8.E-07	91.2%	9.77E+04	6.E-08	0.6%	2.09E+03	3.E-06	21.0%
		MERCURY	3.77E+03												
		NAPHTHALENE	4.02E+03												
		XYLENES (TOTAL)	7.06E+04												
	ONSITE Total				**3.E-06**	**100.0%**		**9.E-07**	**100.0%**		**1.E-05**	**100.0%**		**1.E-05**	**100.0%**
IW_SS	ONSITE	BENZO(A)PYRENE	1.30E+03	3.92E+02	3.E-06	84.4%	4.57E+02	3.E-06	84.4%	8.69E+03	1.E-07	50.8%	2.06E+02	6.E-06	83.1%
		BENZO(B)FLUORANTHENE	2.40E+03	3.92E+03	6.E-07	15.6%	4.57E+03	5.E-07	15.6%	1.66E+04	1.E-07	49.2%	1.87E+03	1.E-06	16.9%
	ONSITE Total				**4.E-06**	**100.0%**		**3.E-06**	**100.0%**		**3.E-07**	**100.0%**		**8.E-06**	**100.0%**

TABLE 3-3
Summary of Carcinogenic Risks by Scenario and Exposure Area (units are in ppb)

Risk Scenarios	Exposure Area	Chemical	EPC	Oral-PRG-C	Oral ELCR	% Oral ELCR	Dermal-PRG-C	Dermal ELCR	% Dermal ELCR	Inhal-PRG-C	Inhalation ELCR	% Inhalation ELCR	Combined- C-PRG	Combined ELCR	% Combined ELCR
MW_SD	CHANNEL	ARSENIC	2.82E+03	7.23E+03	4.E-07	99.2%	8.03E+04	4.E-08	100.0%	5.92E+04	5.E-08	2.3%	5.96E+03	5.E-07	18.8%
		BENZENE	5.89E+02	1.97E+05	3.E-09	0.8%				3.64E+02	2.E-06	77.5%	3.63E+02	2.E-06	64.5%
		CHROMIUM (VI)	8.94E+03							2.12E+04	4.E-07	20.2%	2.12E+04	4.E-07	16.7%
		MANGANESE	6.16E+05												
		MERCURY	1.61E+02												
	CHANNEL Total				**4.E-07**	**100.0%**		**4.E-08**	**100.0%**		**2.E-06**	**100.0%**		**3.E-06**	**100.0%**
	HOLDING POND	CHROMIUM (VI)	2.79E+04							2.12E+04	1.E-06	100.0%	2.12E+04	1.E-06	100.0%
	HOLDING POND Total										**1.E-06**	**100.0%**		**1.E-06**	**100.0%**
MW_SW	CHANNEL	BENZENE	6.94E+01	1.63E+03	4.E-08	0.0%	1.63E+02	4.E-07	0.0%	1.31E+01	5.E-06	0.0%	1.20E+01	6.E-06	100.0%
	CHANNEL Total				**4.E-08**	**0.0%**		**4.E-07**	**0.0%**		**5.E-06**	**0.0%**		**6.E-06**	**100.0%**
	DITCHES	BENZENE	4.70E+01	1.63E+03	3.E-08	83.1%	1.63E+02	3.E-07	61.5%	1.31E+01	4.E-06	70.9%	1.20E+01	4.E-06	70.2%
		ETHYLBENZENE	1.37E+02	2.32E+04	6.E-09	16.9%	7.57E+02	2.E-07	38.5%	9.29E+01	1.E-06	29.1%	8.25E+01	2.E-06	29.8%
		XYLENES (TOTAL)	5.12E+02												
	DITCHES Total				**3.E-08**	**100.0%**		**5.E-07**	**100.0%**		**5.E-06**	**100.0%**		**6.E-06**	**100.0%**
RES_GWD	DEEP	ARSENIC, TOTAL	1.25E+01	4.46E-02	3.E-04	2.4%	8.28E+00	2.E-06	0.1%				4.44E-02	3.E-04	0.7%
		BARIUM, TOTAL	2.52E+02												
		BENZENE	1.37E+04	1.22E+00	1.E-02	97.1%	8.44E+00	2.E-03	98.4%	4.92E-01	3.E-02	99.3%	3.37E-01	4.E-02	98.6%
		BIS(2-ETHYLHEXYL)PHTHALATE	1.24E+01	4.78E+00	3.E-06	0.0%	2.68E+00	5.E-06	0.3%	9.60E-01	1.E-05	0.0%	6.16E-01	2.E-05	0.0%
		CADMIUM, TOTAL	2.23E+00												
		CHROMIUM, TOTAL	3.83E+01												
		COPPER, TOTAL	1.75E+02												
		ETHYLBENZENE	6.28E+02	1.74E+01	4.E-05	0.3%	3.07E+01	2.E-05	1.2%	3.49E+00	2.E-04	0.6%	2.66E+00	2.E-04	0.6%
		IRON, TOTAL	1.04E+05												
		LEAD, TOTAL	3.78E+00												
		MANGANESE, TOTAL	2.20E+03												
		METHYLENE CHLORIDE	7.89E+01	8.93E+00	9.E-06	0.1%	2.46E+02	3.E-07	0.0%	8.17E+00	1.E-05	0.0%	4.19E+00	2.E-05	0.0%
		NAPHTHALENE	6.18E+00												
		NICKEL, TOTAL	2.21E+01												
		PHENOL	6.72E+01												
		TERT-BUTYL METHYL ETHER	1.98E+02	2.03E+01	1.E-05	0.1%	9.16E+02	2.E-07	0.0%	3.84E+01	5.E-06	0.0%	1.31E+01	2.E-05	0.0%
		TOLUENE	9.51E+02												
		VANADIUM, TOTAL	2.57E+02												
		XYLENES (TOTAL)	6.17E+03												
		ZINC, TOTAL	1.84E+02												
	DEEP Total				**1.E-02**	**100.0%**		**2.E-03**	**100.0%**		**3.E-02**	**100.0%**		**4.E-02**	**100.0%**
RES_GWS	SHALLOW	1,2,4-TRIMETHYLBENZENE	8.99E+02												
		2,4-DIMETHYLPHENOL	2.77E+01												
		2-METHYLNAPHTHALENE	1.59E+01												
		2-METHYLPHENOL	2.17E+01												
		4-METHYLPHENOL	2.52E+01												
		ACETONE	2.74E+04												
		AROCLOR-1242	1.07E+00	3.35E-02	3.E-05	0.0%	1.66E-03	6.E-04	1.5%	6.72E-03	2.E-04	0.0%	1.28E-03	8.E-04	0.1%
		ARSENIC, TOTAL	1.62E+01	4.46E-02	4.E-04	0.1%	8.28E+00	2.E-06	0.0%				4.44E-02	4.E-04	0.0%
		BARIUM, TOTAL	3.56E+02												
		BENZENE	3.54E+05	1.22E+00	3.E-01	99.7%	8.44E+00	4.E-02	97.4%	4.92E-01	7.E-01	99.7%	3.37E-01	1.E+00	99.6%
		BIS(2-ETHYLHEXYL)PHTHALATE	9.91E+02	4.78E+00	2.E-04	0.1%	2.68E+00	4.E-04	0.9%	9.60E-01	1.E-03	0.1%	6.16E-01	2.E-03	0.2%
		CADMIUM, TOTAL	2.91E+00												
		CHROMIUM, TOTAL	4.48E+02												
		COBALT, TOTAL	3.16E+01												
		COPPER, TOTAL	8.70E+01												
		ETHYLBENZENE	2.82E+03	1.74E+01	2.E-04	0.1%	3.07E+01	9.E-05	0.2%	3.49E+00	8.E-04	0.1%	2.66E+00	1.E-03	0.1%
		FLUORENE	1.47E+01												
		IRON, FERROUS, TOTAL	3.53E+02												
		IRON, TOTAL	3.55E+04												
		ISOPROPYLBENZENE	8.43E+02												

TABLE 3-3
Summary of Carcinogenic Risks by Scenario and Exposure Area (units are in ppb)

Risk Scenarios	Exposure Area	Chemical	EPC	Oral-PRG-C	Oral ELCR	% Oral ELCR	Dermal-PRG-C	Dermal ELCR	% Dermal ELCR	Inhal-PRG-C	Inhalation ELCR	% Inhalation ELCR	Combined- C-PRG	Combined ELCR	% Combined ELCR
		LEAD, TOTAL	8.15E+00												
		MANGANESE, TOTAL	2.59E+03												
		MERCURY, TOTAL	3.53E-01												
		METHYLENE CHLORIDE	6.00E+02	8.93E+00	7.E-05	0.0%	2.46E+02	2.E-06	0.0%	8.17E+00	7.E-05	0.0%	4.19E+00	1.E-04	0.0%
		NAPHTHALENE	1.25E+02												
		NICKEL, TOTAL	2.50E+02												
		O-XYLENE	2.79E+03												
		PHENOL	1.99E+02												
		SELENIUM, TOTAL	4.88E+00												
		SILVER, TOTAL	2.84E+00												
		TERT-BUTYL METHYL ETHER	2.14E+03	2.03E+01	1.E-04	0.0%	9.16E+02	2.E-06	0.0%	3.84E+01	6.E-05	0.0%	1.31E+01	2.E-04	0.0%
		TOLUENE	1.36E+04												
		VANADIUM, TOTAL	1.01E+02												
		XYLENES (TOTAL)	1.22E+04												
		ZINC, TOTAL	8.55E+01												
	SHAL Total				**3.E-01**	**100.0%**		**4.E-02**	**100.0%**		**7.E-01**	**100.0%**		**1.E+00**	**100.0%**
TRES_SD	AES	ARSENIC	4.86E+03	4.27E+02	1.E-05	100.0%	3.63E+03	1.E-06	100.0%	2.56E+07	2.E-10	100.0%	3.82E+02	1.E-05	100.0%
		IRON	4.24E+07												
		MANGANESE	1.10E+06												
		VANADIUM	1.30E+05												
	AES Total				**1.E-05**	**100.0%**		**1.E-06**	**100.0%**		**2.E-10**	**100.0%**		**1.E-05**	**100.0%**
	CHANNEL	ANTIMONY	9.00E+03												
		ARSENIC	2.82E+03	4.27E+02	7.E-06	66.2%	3.63E+03	8.E-07	31.2%	2.56E+07	1.E-10	2.9%	3.82E+02	7.E-06	59.2%
		BENZO(A)PYRENE	2.61E+02	8.77E+01	3.E-06	29.8%	1.72E+02	2.E-06	60.8%	1.02E+05	3.E-09	67.5%	5.81E+01	4.E-06	36.0%
		CHROMIUM (VI)	8.94E+03							9.18E+06	1.E-09	25.8%	9.18E+06	1.E-09	0.0%
		INDENO(1,2,3-CD)PYRENE	3.45E+02	8.77E+02	4.E-07	3.9%	1.72E+03	2.E-07	8.0%	2.38E+06	1.E-10	3.8%	5.81E+02	6.E-07	4.8%
		IRON	2.61E+07												
		MANGANESE	6.16E+05												
		MERCURY	1.61E+02												
		NICKEL	4.48E+04												
		VANADIUM	1.30E+05												
	CHANNEL Total				**1.E-05**	**100.0%**		**2.E-06**	**100.0%**		**4.E-09**	**100.0%**		**1.E-05**	**100.0%**
TRES_SW	AES	ARSENIC, TOTAL	1.70E+00	1.08E+00	2.E-06	100.0%	6.66E+00	3.E-07	100.0%				9.30E-01	2.E-06	100.0%
	AES Total				**2.E-06**	**100.0%**		**3.E-07**	**100.0%**					**2.E-06**	**100.0%**
	CHANNEL	ARSENIC, TOTAL	4.23E+00	1.08E+00	4.E-06	61.5%	6.66E+00	6.E-07	4.7%				9.30E-01	5.E-06	17.3%
		BENZENE	6.94E+01	2.95E+01	2.E-06	37.0%	7.92E+00	9.E-06	64.3%	1.19E+01	6.E-06	92.4%	4.09E+00	2.E-05	64.4%
		BIS(2-ETHYLHEXYL)PHTHALATE	1.12E+01	1.16E+02	1.E-07	1.5%	2.64E+00	4.E-06	31.1%	2.32E+01	5.E-07	7.6%	2.33E+00	5.E-06	18.3%
		COPPER, TOTAL	2.48E+02												
		IRON, TOTAL	1.36E+04												
		MANGANESE, TOTAL	7.52E+02												
		MERCURY, TOTAL	2.61E-01												
		NICKEL, TOTAL	2.74E+02												
		VANADIUM, TOTAL	9.42E+02												
	CHANNEL Total				**6.E-06**	**100.0%**		**1.E-05**	**100.0%**		**6.E-06**	**100.0%**		**3.E-05**	**100.0%**
	DITCHES	BENZENE	4.70E+01	2.95E+01	2.E-06	83.1%	7.92E+00	6.E-06	56.1%	1.19E+01	4.E-06	70.9%	4.09E+00	1.E-05	63.5%
		ETHYLBENZENE	1.37E+02	4.21E+02	3.E-07	16.9%	2.95E+01	5.E-06	43.9%	8.43E+01	2.E-06	29.1%	2.08E+01	7.E-06	36.5%
		XYLENES (TOTAL)	5.12E+02												
	DITCHES Total				**2.E-06**	**100.0%**		**1.E-05**	**100.0%**		**6.E-06**	**100.0%**		**2.E-05**	**100.0%**

Note: Shaded cells indicate exeedance of 10^{-6} risk level.

TABLE 3-4
Summary of Noncarcinogenic Risks by Scenario and Exposure Area (units are in ppb)

Risk Scenarios	Exposure Area	Chemical	EPC	Oral-PRG-NC	Oral HI	% Oral HI	Dermal-PRG-NC	Dermal HI	% Dermal HI	Inhal-PRG-NC	Inhalation HI	% Inhalation HI	Combined PRG NC	Combined HI	% Combined HI
CW_GWS	AES	4-METHYLPHENOL	1.61E+01	1.28E+04	1.E-04	0.0%	2.36E+03	7.E-04	0.0%	5.11E+01	3.E-02	0.0%	4.98E+01	3.E-02	0.0%
		BENZENE	9.94E+04	1.02E+04	1.E+00	98.2%	1.02E+03	1.E+01	99.4%	8.76E+01	1.E+02	98.1%	8.01E+01	1.E+02	98.2%
		ETHYLBENZENE	1.01E+03	2.56E+05	4.E-04	0.0%	8.32E+03	1.E-02	0.1%	2.96E+03	3.E-02	0.0%	2.17E+03	5.E-02	0.0%
		IRON, TOTAL	1.22E+05	7.67E+05	2.E-02	1.6%	1.16E+06	1.E-02	0.1%				4.62E+05	3.E-02	0.0%
		MERCURY, TOTAL	3.69E-01	7.67E+02	5.E-05	0.0%	1.16E+03	3.E-05	0.0%	8.76E-01	4.E-02	0.0%	8.74E-01	4.E-02	0.0%
		NAPHTHALENE	2.16E+01	5.11E+04	4.E-05	0.0%	1.70E+03	1.E-03	0.0%	8.76E+00	2.E-01	0.2%	8.71E+00	2.E-01	0.2%
		TOLUENE	2.66E+03	5.11E+05	5.E-04	0.1%	2.54E+04	1.E-02	0.1%	1.12E+03	2.E-01	0.2%	1.07E+03	2.E-01	0.2%
		XYLENES (TOTAL)	4.63E+03	5.11E+05	9.E-04	0.1%	1.73E+04	3.E-02	0.3%	2.92E+02	2.E+00	1.4%	2.87E+02	2.E+00	1.3%
	AES Total				**1.E+00**	**100.0%**		**1.E+01**	**100.0%**		**1.E+02**	**100.0%**		**1.E+02**	**100.0%**
	BEACH	IRON, TOTAL	8.54E+05	7.67E+05	1.E-01	100.0%	1.16E+06	7.E-02	100.0%				4.62E+05	2.E-01	100.0%
	BEACH Total				**1.E-01**	**100.0%**		**7.E-02**	**100.0%**					**2.E-01**	**100.0%**
	BOUNDARY-EAST	1,2,4-TRIMETHYLBENZENE	1.00E+03	1.28E+05	8.E-04	0.0%	2.56E+03	4.E-02	0.0%	1.75E+01	6.E+00	0.2%	1.74E+01	6.E+00	0.2%
		2,4-DIMETHYLPHENOL	9.73E+01	5.11E+04	2.E-04	0.0%	6.58E+03	1.E-03	0.0%	2.04E+02	5.E-02	0.0%	1.97E+02	5.E-02	0.0%
		4-METHYLPHENOL	1.02E+02	1.28E+04	8.E-04	0.0%	2.36E+03	4.E-03	0.0%	5.11E+01	2.E-01	0.0%	4.98E+01	2.E-01	0.0%
		ACETONE	4.22E+03	2.30E+06	2.E-04	0.0%	6.35E+06	7.E-05	0.0%	1.02E+03	4.E-01	0.0%	1.02E+03	4.E-01	0.0%
		BENZENE	2.30E+06	1.02E+04	2.E+01	99.8%	1.02E+03	2.E+02	99.2%	8.76E+01	3.E+03	98.5%	8.01E+01	3.E+03	98.5%
		BIS(2-ETHYLHEXYL)PHTHALATE	7.67E+03	5.11E+04	2.E-02	0.1%	8.11E+02	9.E-01	0.4%	2.25E+02	3.E+00	0.1%	1.75E+02	4.E+00	0.1%
		ETHYLBENZENE	9.11E+03	2.56E+05	4.E-03	0.0%	8.32E+03	1.E-01	0.0%	2.96E+03	3.E-01	0.0%	2.17E+03	4.E-01	0.0%
		NAPHTHALENE	6.16E+02	5.11E+04	1.E-03	0.0%	1.70E+03	4.E-02	0.0%	8.76E+00	7.E+00	0.3%	8.71E+00	7.E+00	0.2%
		PHENOL	9.70E+02	7.67E+05	1.E-04	0.0%	2.50E+05	4.E-04	0.0%	6.13E+03	2.E-02	0.0%	5.94E+03	2.E-02	0.0%
		TOLUENE	7.56E+04	5.11E+05	1.E-02	0.1%	2.54E+04	3.E-01	0.1%	1.12E+03	7.E+00	0.3%	1.07E+03	7.E+00	0.2%
		XYLENES (TOTAL)	5.10E+04	5.11E+05	1.E-02	0.0%	1.73E+04	3.E-01	0.1%	2.92E+02	2.E+01	0.7%	2.87E+02	2.E+01	0.6%
	BOUNDARY-EAST Total				**2.E+01**	**100.0%**		**2.E+02**	**100.0%**		**3.E+03**	**100.0%**		**3.E+03**	**100.0%**
	BOUNDARY-WEST	1,2-DICHLOROETHANE	3.57E+01	7.67E+04	5.E-05	0.0%	2.56E+04	1.E-04	0.0%	1.43E+01	2.E-01	0.1%	1.43E+01	2.E-01	0.1%
		4-METHYLPHENOL	2.52E+01	1.28E+04	2.E-04	0.0%	2.36E+03	1.E-03	0.0%	5.11E+01	5.E-02	0.0%	4.98E+01	5.E-02	0.0%
		BENZENE	3.06E+05	1.02E+04	3.E+00	99.7%	1.02E+03	3.E+01	99.4%	8.76E+01	3.E+02	98.0%	8.01E+01	4.E+02	98.1%
		ETHYLBENZENE	3.00E+03	2.56E+05	1.E-03	0.0%	8.32E+03	4.E-02	0.1%	2.96E+03	1.E-01	0.0%	2.17E+03	1.E-01	0.0%
		HEXACHLOROETHANE	5.78E+00	2.56E+03	2.E-04	0.0%	8.77E+01	7.E-03	0.0%	1.02E+01	6.E-02	0.0%	9.12E+00	6.E-02	0.0%
		MERCURY, TOTAL	7.70E-01	7.67E+02	1.E-04	0.0%	1.16E+03	7.E-05	0.0%	8.76E-01	9.E-02	0.0%	8.74E-01	9.E-02	0.0%
		NAPHTHALENE	3.95E+01	5.11E+04	8.E-05	0.0%	1.70E+03	2.E-03	0.0%	8.76E+00	5.E-01	0.1%	8.71E+00	5.E-01	0.1%
		N-NITROSO-DI-N-PROPYLAMINE	5.51E+00												
		TERT-BUTYL METHYL ETHER	9.24E+03	2.19E+06	4.E-04	0.0%	1.45E+06	6.E-04	0.0%	8.76E+03	1.E-01	0.0%	8.67E+03	1.E-01	0.0%
		TOLUENE	1.37E+04	5.11E+05	3.E-03	0.1%	2.54E+04	5.E-02	0.2%	1.12E+03	1.E+00	0.3%	1.07E+03	1.E+00	0.3%
		XYLENES (TOTAL)	1.44E+04	5.11E+05	3.E-03	0.1%	1.73E+04	8.E-02	0.3%	2.92E+02	5.E+00	1.4%	2.87E+02	5.E+00	1.3%
	BOUNDARY-WEST Total				**3.E+00**	**100.0%**		**3.E+01**	**100.0%**		**4.E+02**	**100.0%**		**4.E+02**	**100.0%**
	EAST	BENZENE	1.66E+02	1.02E+04	2.E-03	99.7%	1.02E+03	2.E-02	99.1%	8.76E+01	2.E-01	95.5%	8.01E+01	2.E-01	95.8%
		XYLENES (TOTAL)	2.59E+01	5.11E+05	5.E-06	0.3%	1.73E+04	1.E-04	0.9%	2.92E+02	9.E-03	4.5%	2.87E+02	9.E-03	4.2%
	EAST Total				**2.E-03**	**100.0%**		**2.E-02**	**100.0%**		**2.E-01**	**100.0%**		**2.E-01**	**100.0%**
	MAREAS	IRON, TOTAL	5.64E+05	7.67E+05	7.E-02	99.8%	1.16E+06	5.E-02	99.8%				4.62E+05	1.E-01	51.4%
		MERCURY, TOTAL	1.01E+00	7.67E+02	1.E-04	0.2%	1.16E+03	9.E-05	0.2%	8.76E-01	1.E-01	100.0%	8.74E-01	1.E-01	48.6%
	MAREAS Total				**7.E-02**	**100.0%**		**5.E-02**	**100.0%**		**1.E-01**	**100.0%**		**2.E-01**	**100.0%**
	ONSITE	1,2,4-TRIMETHYLBENZENE	1.52E+03	1.28E+05	1.E-03	0.1%	2.56E+03	6.E-02	0.4%	1.75E+01	9.E+00	4.3%	1.74E+01	9.E+00	4.0%
		2,4-DIMETHYLPHENOL	1.06E+02	5.11E+04	2.E-04	0.0%	6.58E+03	2.E-03	0.0%	2.04E+02	5.E-02	0.0%	1.97E+02	5.E-02	0.0%
		2-METHYLPHENOL	5.00E+01	1.28E+05	4.E-05	0.0%	2.36E+04	2.E-04	0.0%	5.11E+02	1.E-02	0.0%	4.98E+02	1.E-02	0.0%
		4-METHYLPHENOL	5.22E+01	1.28E+04	4.E-04	0.0%	2.36E+03	2.E-03	0.0%	5.11E+01	1.E-01	0.1%	4.98E+01	1.E-01	0.0%
		ACETONE	1.93E+04	2.30E+06	8.E-04	0.1%	6.35E+06	3.E-04	0.0%	1.02E+03	2.E+00	0.9%	1.02E+03	2.E+00	0.9%
		AROCLOR-1242	5.97E-01												
		BENZENE	1.52E+05	1.02E+04	1.E+00	98.5%	1.02E+03	1.E+01	97.2%	8.76E+01	2.E+02	86.9%	8.01E+01	2.E+02	87.7%
		BIS(2-ETHYLHEXYL)PHTHALATE	4.47E+01	5.11E+04	9.E-05	0.0%	8.11E+02	6.E-03	0.0%	2.25E+02	2.E-02	0.0%	1.75E+02	3.E-02	0.0%
		ETHYLBENZENE	6.48E+03	2.56E+05	3.E-03	0.2%	8.32E+03	8.E-02	0.5%	2.96E+03	2.E-01	0.1%	2.17E+03	3.E-01	0.1%
		IRON, TOTAL	5.51E+04	7.67E+05	7.E-03	0.5%	1.16E+06	5.E-03	0.0%				4.62E+05	1.E-02	0.0%
		ISOPROPYLBENZENE	1.49E+03	2.56E+05	6.E-04	0.0%	4.93E+03	3.E-02	0.2%	1.12E+03	1.E-01	0.1%	9.12E+02	2.E-01	0.1%

TABLE 3-4
Summary of Noncarcinogenic Risks by Scenario and Exposure Area (units are in ppb)

Risk Scenarios	Exposure Area	Chemical	EPC	Oral-PRG-NC	Oral HI	% Oral HI	Dermal-PRG-NC	Dermal HI	% Dermal HI	Inhal-PRG-NC	Inhalation HI	% Inhalation HI	Combined PRG NC	Combined HI	% Combined HI
		MERCURY, TOTAL	9.92E-01	7.67E+02	1.E-04	0.0%	1.16E+03	9.E-05	0.0%	8.76E-01	1.E-01	0.1%	8.74E-01	1.E-01	0.1%
		NAPHTHALENE	2.35E+02	5.11E+04	5.E-04	0.0%	1.70E+03	1.E-02	0.1%	8.76E+00	3.E+00	1.3%	8.71E+00	3.E+00	1.2%
		N-BUTYLBENZENE	4.60E+02	1.02E+05	5.E-04	0.0%				4.09E+02	1.E-01	0.1%	4.07E+02	1.E-01	0.1%
		TOLUENE	1.35E+04	5.11E+05	3.E-03	0.2%	2.54E+04	5.E-02	0.3%	1.12E+03	1.E+00	0.6%	1.07E+03	1.E+00	0.6%
		XYLENES (TOTAL)	3.21E+04	5.11E+05	6.E-03	0.4%	1.73E+04	2.E-01	1.2%	2.92E+02	1.E+01	5.5%	2.87E+02	1.E+01	5.2%
	ONSITE Total				**2.E+00**	**100.0%**		**2.E+01**	**100.0%**		**2.E+02**	**100.0%**		**2.E+02**	**100.0%**
	PRASA	BENZENE	8.70E+03	1.02E+04	9.E-02	48.6%	1.02E+03	9.E-01	93.2%	8.76E+01	1.E+01	98.5%	8.01E+01	1.E+01	97.3%
		IRON, TOTAL	6.90E+05	7.67E+05	9.E-02	51.4%	1.16E+06	6.E-02	6.5%				4.62E+05	1.E-01	1.3%
		XYLENES (TOTAL)	4.31E+02	5.11E+05	8.E-05	0.0%	1.73E+04	2.E-03	0.3%	2.92E+02	1.E-01	1.5%	2.87E+02	2.E-01	1.3%
	PRASA Total				**2.E-01**	**100.0%**		**9.E-01**	**100.0%**		**1.E+01**	**100.0%**		**1.E+01**	**100.0%**
	SOUTH	BENZENE	7.48E+03	1.02E+04	7.E-02	100.0%	1.02E+03	7.E-01	100.0%	8.76E+01	9.E+00	100.0%	8.01E+01	9.E+00	100.0%
	SOUTH Total				**7.E-02**	**100.0%**		**7.E-01**	**100.0%**		**9.E+00**	**100.0%**		**9.E+00**	**100.0%**
	WEST	ARSENIC, TOTAL	2.38E+02	7.67E+02	3.E-02	98.7%	1.16E+03	2.E-02	79.7%				4.62E+02	5.E-02	23.0%
		BENZENE	3.77E+01	1.02E+04	4.E-04	1.2%	1.02E+03	4.E-03	14.3%	8.76E+01	4.E-02	25.8%	8.01E+01	5.E-02	21.0%
		NAPHTHALENE	4.15E+00	5.11E+04	8.E-06	0.0%	1.70E+03	2.E-04	1.0%	8.76E+00	5.E-02	28.4%	8.71E+00	5.E-02	21.3%
		XYLENES (TOTAL)	2.23E+02	5.11E+05	4.E-05	0.1%	1.73E+04	1.E-03	5.0%	2.92E+02	8.E-02	45.8%	2.87E+02	8.E-02	34.7%
	WEST Total				**3.E-02**	**100.0%**		**3.E-02**	**100.0%**		**2.E-01**	**100.0%**		**2.E-01**	**100.0%**
CW_SB	AES	ARSENIC	9.72E+03	9.29E+03	1.E-01	17.5%	1.03E+05	9.E-03	38.9%				8.52E+03	1.E-01	18.3%
		IRON	4.58E+07	9.29E+06	5.E-01	82.5%	3.10E+08	1.E-02	61.1%				9.02E+06	5.E-01	81.7%
	AES Total				**6.E-01**	**100.0%**		**2.E-02**	**100.0%**					**6.E-01**	**100.0%**
	BOUNDARY-EAST	BENZENE	8.20E+04	1.24E+05	7.E-02	97.4%				1.00E+03	8.E+00	88.5%	9.92E+02	8.E+00	88.5%
		TOLUENE	5.06E+04	6.19E+06	8.E-04	1.2%				1.87E+04	3.E-01	2.9%	1.86E+04	3.E-01	2.9%
		XYLENES (TOTAL)	5.93E+04	6.19E+06	1.E-03	1.4%				7.44E+03	8.E-01	8.6%	7.43E+03	8.E-01	8.5%
	BOUNDARY-EAST Total				**7.E-02**	**100.0%**					**9.E+00**	**100.0%**		**9.E+00**	**100.0%**
	ONSITE	BENZENE	5.54E+04	1.24E+05	4.E-02	27.0%				1.00E+03	6.E+00	68.9%	9.92E+02	6.E+00	68.0%
		ETHYLBENZENE	2.87E+04	3.10E+06	9.E-04	0.6%				6.68E+04	4.E-02	0.5%	6.54E+04	4.E-02	0.5%
		NAPHTHALENE	1.08E+03	6.19E+05	2.E-04	0.1%	2.06E+06	5.E-05	1.5%	2.04E+03	5.E-02	0.7%	2.04E+03	5.E-02	0.6%
		TOLUENE	2.27E+04	6.19E+06	4.E-04	0.2%				1.87E+04	1.E-01	1.5%	1.86E+04	1.E-01	1.5%
		VANADIUM	2.53E+05	2.17E+05	1.E-01	70.5%	7.23E+06	4.E-03	98.5%				2.10E+05	1.E-01	1.5%
		XYLENES (TOTAL)	1.70E+05	6.19E+06	3.E-03	1.7%				7.44E+03	2.E+00	28.4%	7.43E+03	2.E+00	27.9%
	ONSITE Total				**2.E-01**	**100.0%**		**4.E-03**	**100.0%**		**8.E+00**	**100.0%**		**8.E+00**	**100.0%**
	PRASA	BENZENE	1.00E+04	1.24E+05	8.E-03	1.2%				1.00E+03	1.E+00	82.4%	9.92E+02	1.E+00	52.1%
		IRON	5.03E+07	9.29E+06	5.E-01	77.2%	3.10E+08	2.E-02	78.1%				9.02E+06	6.E-01	28.8%
		MANGANESE	1.13E+06	7.43E+05	2.E-01	21.7%	2.48E+07	5.E-03	21.9%	5.28E+05	2.E-01	17.6%	3.05E+05	4.E-01	19.1%
	PRASA Total				**7.E-01**	**100.0%**		**2.E-02**	**100.0%**		**1.E+00**	**100.0%**		**2.E+00**	**100.0%**
	WEST	MANGANESE	1.65E+06	7.43E+05	2.E-01	100.0%	2.48E+07	7.E-03	100.0%	5.28E+05	3.E-01	100.0%	3.05E+05	5.E-01	100.0%
	WEST Total				**2.E-01**	**100.0%**		**7.E-03**	**100.0%**		**3.E-01**	**100.0%**		**5.E-01**	**100.0%**
CW_SD	AES	ARSENIC	4.86E+03	9.29E+03	5.E-02	8.0%	1.03E+05	5.E-03	20.6%				8.52E+03	6.E-02	6.4%
		IRON	4.24E+07	9.29E+06	5.E-01	69.5%	3.10E+08	1.E-02	59.9%				9.02E+06	5.E-01	53.0%
		MANGANESE	1.10E+06	7.43E+05	1.E-01	22.5%	2.48E+07	4.E-03	19.4%	5.28E+05	2.E-01	100.0%	3.05E+05	4.E-01	40.6%
	AES Total				**7.E-01**	**100.0%**		**2.E-02**	**100.0%**		**2.E-01**	**100.0%**		**9.E-01**	**100.0%**
	ONSITE	ARSENIC	1.25E+04	9.29E+03	1.E-01	66.9%	1.03E+05	1.E-02	89.6%				8.52E+03	1.E-01	0.4%
		BENZENE	2.99E+04	1.24E+05	2.E-02	12.0%				1.00E+03	3.E+00	8.3%	9.92E+02	3.E+00	8.4%
		BENZO(A)PYRENE	6.14E+03												
		MERCURY	3.77E+03	9.29E+03	4.E-02	20.2%	3.10E+05	1.E-03	9.0%	1.19E+01	3.E+01	88.5%	1.19E+01	3.E+01	88.1%
		NAPHTHALENE	4.02E+03	6.19E+05	6.E-04	0.3%	2.06E+06	2.E-04	1.4%	2.04E+03	2.E-01	0.5%	2.04E+03	2.E-01	0.5%
		XYLENES (TOTAL)	7.06E+04	6.19E+06	1.E-03	0.6%				7.44E+03	9.E-01	2.6%	7.43E+03	1.E+00	2.6%
	ONSITE Total				**2.E-01**	**100.0%**		**1.E-02**	**100.0%**		**4.E+01**	**100.0%**		**4.E+01**	**100.0%**
IW_SS	ONSITE	BENZO(A)PYRENE	1.30E+03												
		BENZO(B)FLUORANTHENE	2.40E+03												
	ONSITE Total														

TABLE 3-4
Summary of Noncarcinogenic Risks by Scenario and Exposure Area (units are in ppb)

Risk Scenarios	Exposure Area	Chemical	EPC	Oral-PRG-NC	Oral HI	% Oral HI	Dermal-PRG-NC	Dermal HI	% Dermal HI	Inhal-PRG-NC	Inhalation HI	% Inhalation HI	Combined PRG NC	Combined HI	% Combined HI
MW_SD	CHANNEL	ARSENIC	2.82E+03	1.16E+05	2.E-03	24.3%	1.29E+06	2.E-04	49.1%				1.07E+05	3.E-03	0.4%
		BENZENE	5.89E+02	1.55E+06	4.E-05	0.4%				3.04E+03	2.E-02	3.2%	3.04E+03	2.E-02	3.1%
		CHROMIUM (VI)	8.94E+03	1.16E+06	8.E-04	7.7%	3.87E+07	2.E-05	5.2%	7.28E+04	1.E-02	2.0%	6.84E+04	1.E-02	2.1%
		MANGANESE	6.16E+05	9.29E+06	7.E-03	66.3%	3.10E+08	2.E-04	44.7%	4.55E+05	1.E-01	22.1%	4.33E+05	1.E-01	22.8%
		MERCURY	1.61E+02	1.16E+05	1.E-04	1.4%	3.87E+06	4.E-06	0.9%	3.61E+01	4.E-01	72.7%	3.61E+01	4.E-01	71.5%
	CHANNEL Total				**1.E-02**	**100.0%**		**4.E-04**	**100.0%**		**6.E-01**	**100.0%**		**6.E-01**	**100.0%**
	HOLDING POND	CHROMIUM (VI)	2.79E+04	1.16E+06	2.E-03	100.0%	3.87E+07	7.E-05	100.0%	7.28E+04	4.E-02	100.0%	6.84E+04	4.E-02	100.0%
	HOLDING POND Total				**2.E-03**	**100.0%**		**7.E-05**	**100.0%**		**4.E-02**	**100.0%**		**4.E-02**	**100.0%**
MW_SW	CHANNEL	BENZENE	6.94E+01	1.28E+04	5.E-04	100.0%	1.28E+03	5.E-03	100.0%	1.10E+02	6.E-02	100.0%	1.00E+02	7.E-02	100.0%
	CHANNEL Total				**5.E-04**	**100.0%**		**5.E-03**	**100.0%**		**6.E-02**	**100.0%**		**7.E-02**	**100.0%**
	DITCHES	BENZENE	4.70E+01	1.28E+04	4.E-04	74.9%	1.28E+03	4.E-03	50.0%	1.10E+02	4.E-02	23.0%	1.00E+02	5.E-02	24.1%
		ETHYLBENZENE	1.37E+02	3.19E+05	4.E-05	8.7%	1.04E+04	1.E-03	17.9%	3.70E+03	4.E-03	2.0%	2.71E+03	5.E-03	2.6%
		XYLENES (TOTAL)	5.12E+02	6.39E+05	8.E-05	16.3%	2.17E+04	2.E-03	32.1%	3.65E+02	1.E-01	75.1%	3.59E+02	1.E-01	73.3%
	DITCHES Total				**5.E-04**	**100.0%**		**7.E-03**	**100.0%**		**2.E-01**	**100.0%**		**2.E-01**	**100.0%**
RES_GWD	DEEP	ARSENIC, TOTAL	1.25E+01	4.69E-01	3.E+00	1.0%	7.11E+01	2.E-02	0.1%				4.66E-01	3.E+00	0.3%
		BARIUM, TOTAL	2.52E+02	1.10E+02	2.E-01	0.1%	1.66E+04	2.E-03	0.0%				1.09E+02	2.E-01	0.0%
		BENZENE	1.37E+04	6.26E+00	2.E+02	85.6%	4.13E+01	3.E+01	95.0%	2.68E+00	5.E+02	87.2%	1.80E+00	8.E+02	87.0%
		BIS(2-ETHYLHEXYL)PHTHALATE	1.24E+01	3.13E+01	4.E-02	0.0%	1.76E+01	7.E-02	0.2%	6.88E+00	2.E-01	0.0%	4.27E+00	3.E-01	0.0%
		CADMIUM, TOTAL	2.23E+00	7.82E-01	3.E-01	0.1%	1.19E+02	2.E-03	0.0%				7.77E-01	3.E-01	0.0%
		CHROMIUM, TOTAL	3.83E+01	2.35E+03	2.E-03	0.0%	3.56E+05	1.E-05	0.0%				2.33E+03	2.E-03	0.0%
		COPPER, TOTAL	1.75E+02	6.26E+01	3.E-01	0.1%	9.48E+03	2.E-03	0.0%				6.22E+01	3.E-01	0.0%
		ETHYLBENZENE	6.28E+02	1.56E+02	4.E-01	0.2%	2.69E+02	2.E-01	0.7%	9.07E+01	7.E-01	0.1%	4.73E+01	1.E+00	0.2%
		IRON, TOTAL	1.04E+05	4.69E+02	2.E+01	8.7%	7.11E+04	1.E-01	0.4%				4.66E+02	2.E+01	2.5%
		LEAD, TOTAL	3.78E+00												
		MANGANESE, TOTAL	2.20E+03	3.75E+01	6.E+00	2.3%	5.69E+03	4.E-02	0.1%				3.73E+01	6.E+00	0.7%
		METHYLENE CHLORIDE	7.89E+01	9.39E+01	8.E-02	0.0%	2.47E+03	3.E-03	0.0%	2.68E+02	3.E-02	0.0%	6.76E+01	1.E-01	0.0%
		NAPHTHALENE	6.18E+00	3.13E+01	2.E-02	0.0%	5.06E+01	1.E-02	0.0%	2.68E-01	2.E+00	0.4%	2.64E-01	2.E+00	0.3%
		NICKEL, TOTAL	2.21E+01	3.13E+01	7.E-02	0.0%	2.37E+04	9.E-05	0.0%				3.12E+01	7.E-02	0.0%
		PHENOL	6.72E+01	4.69E+02	1.E-02	0.0%	9.64E+03	7.E-04	0.0%	1.88E+02	4.E-02	0.0%	1.32E+02	5.E-02	0.0%
		TERT-BUTYL METHYL ETHER	1.98E+02	1.34E+03	1.E-02	0.0%	5.79E+04	3.E-04	0.0%	2.68E+02	7.E-02	0.0%	2.23E+02	9.E-02	0.0%
		TOLUENE	9.51E+02	3.13E+02	3.E-01	0.1%	9.30E+02	1.E-01	0.3%	3.44E+01	3.E+00	0.5%	3.00E+01	3.E+00	0.4%
		VANADIUM, TOTAL	2.57E+02	1.10E+01	2.E+00	0.9%	1.66E+03	2.E-02	0.0%				1.09E+01	2.E+00	0.3%
		XYLENES (TOTAL)	6.17E+03	3.13E+02	2.E+00	0.8%	5.64E+02	1.E+00	3.1%	8.94E+00	7.E+01	11.8%	8.56E+00	7.E+01	8.2%
		ZINC, TOTAL	1.84E+02	4.69E+02	4.E-02	0.0%	1.19E+05	2.E-04	0.0%				4.67E+02	4.E-02	0.0%
	DEEP Total				**3.E+02**	**100.0%**		**3.E+01**	**100.0%**		**6.E+02**	**100.0%**		**9.E+02**	**100.0%**
RES_GWS	SHALLOW	1,2,4-TRIMETHYLBENZENE	8.99E+02	7.82E+01	1.E+00	0.0%	7.28E+01	1.E+00	0.1%	5.36E-01	2.E+02	1.2%	5.29E-01	2.E+02	0.8%
		2,4-DIMETHYLPHENOL	2.77E+01	3.13E+01	9.E-02	0.0%	2.23E+02	1.E-02	0.0%	6.26E+00	4.E-01	0.0%	5.09E+00	5.E-01	0.0%
		2-METHYLNAPHTHALENE	1.59E+01	6.26E+00	3.E-01	0.0%	4.73E+00	3.E-01	0.0%				2.69E+00	6.E-01	0.0%
		2-METHYLPHENOL	2.17E+01	7.82E+01	3.E-02	0.0%	8.65E+02	3.E-03	0.0%	1.56E+01	1.E-01	0.0%	1.28E+01	2.E-01	0.0%
		4-METHYLPHENOL	2.52E+01	7.82E+00	3.E-01	0.0%	8.65E+01	3.E-02	0.0%	1.56E+00	2.E+00	0.0%	1.28E+00	2.E+00	0.0%
		ACETONE	2.74E+04	1.41E+03	2.E+00	0.0%	3.15E+04	9.E-02	0.0%	3.13E+01	9.E+01	0.6%	3.06E+01	9.E+01	0.4%
		AROCLOR-1242	1.07E+00												
		ARSENIC, TOTAL	1.62E+01	4.69E-01	3.E+00	0.1%	7.11E+01	2.E-02	0.0%				4.66E-01	3.E+00	0.0%
		BARIUM, TOTAL	3.56E+02	1.10E+02	3.E-01	0.0%	1.66E+04	2.E-03	0.0%				1.09E+02	3.E-01	0.0%
		BENZENE	3.54E+05	6.26E+00	6.E+03	99.3%	4.13E+01	9.E+02	98.5%	2.68E+00	1.E+04	96.3%	1.80E+00	2.E+04	97.3%
		BIS(2-ETHYLHEXYL)PHTHALATE	9.91E+02	3.13E+01	3.E+00	0.1%	1.76E+01	6.E+00	0.6%	6.88E+00	1.E+01	0.1%	4.27E+00	2.E+01	0.1%
		CADMIUM, TOTAL	2.91E+00	7.82E-01	4.E-01	0.0%	1.19E+02	2.E-03	0.0%				7.77E-01	4.E-01	0.0%
		CHROMIUM, TOTAL	4.48E+02	2.35E+03	2.E-02	0.0%	3.56E+05	1.E-04	0.0%				2.33E+03	2.E-02	0.0%
		COBALT, TOTAL	3.16E+01	3.13E+01	1.E-01	0.0%	1.19E+04	3.E-04	0.0%				3.12E+01	1.E-01	0.0%
		COPPER, TOTAL	8.70E+01	6.26E+01	1.E-01	0.0%	9.48E+03	9.E-04	0.0%				6.22E+01	1.E-01	0.0%
		ETHYLBENZENE	2.82E+03	1.56E+02	2.E+00	0.0%	2.69E+02	1.E+00	0.1%	9.07E+01	3.E+00	0.0%	4.73E+01	6.E+00	0.0%
		FLUORENE	1.47E+01	6.26E+01	2.E-02	0.0%	3.40E+01	4.E-02	0.0%	1.25E+01	1.E-01	0.0%	7.98E+00	2.E-01	0.0%
		IRON, FERROUS, TOTAL	3.53E+02	4.69E+02	8.E-02	0.0%	7.11E+04	5.E-04	0.0%				4.66E+02	8.E-02	0.0%
		IRON, TOTAL	3.55E+04	4.69E+02	8.E+00	0.1%	7.11E+04	5.E-02	0.0%				4.66E+02	8.E+00	0.0%
		ISOPROPYLBENZENE	8.43E+02	1.56E+02	5.E-01	0.0%	1.39E+02	6.E-01	0.1%	3.44E+01	2.E+00	0.0%	2.35E+01	4.E+00	0.0%

TABLE 3-4
Summary of Noncarcinogenic Risks by Scenario and Exposure Area (units are in ppb)

Risk Scenarios	Exposure Area	Chemical	EPC	Oral-PRG-NC	Oral HI	% Oral HI	Dermal-PRG-NC	Dermal HI	% Dermal HI	Inhal-PRG-NC	Inhalation HI	% Inhalation HI	Combined PRG NC	Combined HI	% Combined HI
		LEAD, TOTAL	8.15E+00												
		MANGANESE, TOTAL	2.59E+03	3.75E+01	7.E+00	0.1%	5.69E+03	5.E-02	0.0%				3.73E+01	7.E+00	0.0%
		MERCURY, TOTAL	3.53E-01	4.69E-01	8.E-02	0.0%	7.11E+01	5.E-04	0.0%	2.68E-02	1.E+00	0.0%	2.54E-02	1.E+00	0.0%
		METHYLENE CHLORIDE	6.00E+02	9.39E+01	6.E-01	0.0%	2.47E+03	2.E-02	0.0%	2.68E+02	2.E-01	0.0%	6.76E+01	9.E-01	0.0%
		NAPHTHALENE	1.25E+02	3.13E+01	4.E-01	0.0%	5.06E+01	2.E-01	0.0%	2.68E-01	5.E+01	0.3%	2.64E-01	5.E+01	0.2%
		NICKEL, TOTAL	2.50E+02	3.13E+01	8.E-01	0.0%	2.37E+04	1.E-03	0.0%				3.12E+01	8.E-01	0.0%
		O-XYLENE	2.79E+03												
		PHENOL	1.99E+02	4.69E+02	4.E-02	0.0%	9.64E+03	2.E-03	0.0%	1.88E+02	1.E-01	0.0%	1.32E+02	2.E-01	0.0%
		SELENIUM, TOTAL	4.88E+00	7.82E+00	6.E-02	0.0%	1.19E+03	4.E-04	0.0%				7.77E+00	6.E-02	0.0%
		SILVER, TOTAL	2.84E+00	7.82E+00	4.E-02	0.0%	1.98E+03	1.E-04	0.0%				7.79E+00	4.E-02	0.0%
		TERT-BUTYL METHYL ETHER	2.14E+03	1.34E+03	2.E-01	0.0%	5.79E+04	4.E-03	0.0%	2.68E+02	8.E-01	0.0%	2.23E+02	1.E+00	0.0%
		TOLUENE	1.36E+04	3.13E+02	4.E+00	0.1%	9.30E+02	1.E+00	0.2%	3.44E+01	4.E+01	0.3%	3.00E+01	5.E+01	0.2%
		VANADIUM, TOTAL	1.01E+02	1.10E+01	9.E-01	0.0%	1.66E+03	6.E-03	0.0%				1.09E+01	9.E-01	0.0%
		XYLENES (TOTAL)	1.22E+04	3.13E+02	4.E+00	0.1%	5.64E+02	2.E+00	0.2%	8.94E+00	1.E+02	1.0%	8.56E+00	1.E+02	0.7%
		ZINC, TOTAL	8.55E+01	4.69E+02	2.E-02	0.0%	1.19E+05	7.E-05	0.0%				4.67E+02	2.E-02	0.0%
	SHAL Total				**6.E+03**	**100.0%**		**9.E+02**	**100.0%**		**1.E+04**	**100.0%**		**2.E+04**	**100.0%**
TRES_SD	AES	ARSENIC	4.86E+03	2.35E+03	2.E-01	7.3%	6.77E+04	7.E-03	19.1%				2.27E+03	2.E-01	7.5%
		IRON	4.24E+07	2.35E+06	2.E+00	63.7%	2.03E+08	2.E-02	55.6%				2.32E+06	2.E+00	63.6%
		MANGANESE	1.10E+06	1.88E+05	6.E-01	20.7%	1.63E+07	7.E-03	18.0%	1.28E+08	9.E-04	100.0%	1.85E+05	6.E-01	20.6%
		VANADIUM	1.30E+05	5.48E+04	2.E-01	8.4%	4.74E+06	3.E-03	7.3%				5.41E+04	2.E-01	8.4%
	AES Total				**3.E+00**	**100.0%**		**4.E-02**	**100.0%**		**9.E-04**	**100.0%**		**3.E+00**	**100.0%**
	CHANNEL	ANTIMONY	9.00E+03	3.13E+03	3.E-01	13.3%	2.71E+05	3.E-03	12.0%				3.09E+03	3.E-01	12.8%
		ARSENIC	2.82E+03	2.35E+03	1.E-01	5.6%	6.77E+04	4.E-03	15.0%				2.27E+03	1.E-01	5.5%
		BENZO(A)PYRENE	2.61E+02												
		CHROMIUM (VI)	8.94E+03	2.35E+04	4.E-02	1.8%	2.03E+06	4.E-04	1.6%	2.05E+07	4.E-05	0.1%	2.32E+04	4.E-02	1.7%
		INDENO(1,2,3-CD)PYRENE	3.45E+02												
		IRON	2.61E+07	2.35E+06	1.E+00	51.5%	2.03E+08	1.E-02	46.4%				2.32E+06	1.E+00	49.6%
		MANGANESE	6.16E+05	1.88E+05	3.E-01	15.2%	1.63E+07	4.E-03	13.7%	1.28E+08	5.E-04	0.6%	1.85E+05	3.E-01	14.6%
		MERCURY	1.61E+02	2.35E+03	7.E-03	0.3%	2.03E+05	8.E-05	0.3%	1.97E+02	8.E-02	99.4%	1.82E+02	9.E-02	3.9%
		NICKEL	4.48E+04	1.56E+05	3.E-02	1.3%	1.35E+07	3.E-04	1.2%				1.55E+05	3.E-02	1.3%
		VANADIUM	1.30E+05	5.48E+04	2.E-01	11.0%	4.74E+06	3.E-03	9.9%				5.41E+04	2.E-01	10.6%
	CHANNEL Total				**2.E+00**	**100.0%**		**3.E-02**	**100.0%**		**8.E-02**	**100.0%**		**2.E+00**	**100.0%**
TRES_SW	AES	ARSENIC, TOTAL	1.70E+00	1.12E+01	2.E-02	100.0%	7.11E+01	2.E-03	100.0%				9.66E+00	2.E-02	100.0%
	AES Total				**2.E-02**	**100.0%**		**2.E-03**	**100.0%**					**2.E-02**	**100.0%**
	CHANNEL	ARSENIC, TOTAL	4.23E+00	1.12E+01	4.E-02	5.3%	7.11E+01	6.E-03	1.8%				9.66E+00	4.E-02	3.7%
		BENZENE	6.94E+01	1.49E+02	5.E-02	6.6%	4.13E+01	2.E-01	50.7%	6.38E+01	1.E-01	69.5%	2.15E+01	3.E-01	27.0%
		BIS(2-ETHYLHEXYL)PHTHALATE	1.12E+01	7.45E+02	2.E-03	0.2%	1.76E+01	6.E-02	19.3%	1.64E+02	7.E-03	4.4%	1.55E+01	7.E-02	6.0%
		COPPER, TOTAL	2.48E+02	1.49E+03	2.E-02	2.3%	9.48E+03	3.E-03	0.8%				1.29E+03	2.E-02	1.6%
		IRON, TOTAL	1.36E+04	1.12E+04	1.E-01	17.2%	7.11E+04	2.E-02	5.8%				9.66E+03	1.E-01	11.8%
		MANGANESE, TOTAL	7.52E+02	8.94E+02	8.E-02	11.9%	5.69E+03	1.E-02	4.0%				7.72E+02	1.E-01	8.1%
		MERCURY, TOTAL	2.61E-01	1.12E+01	2.E-03	0.3%	7.11E+01	4.E-04	0.1%	6.38E-01	4.E-02	26.1%	5.99E-01	4.E-02	3.6%
		NICKEL, TOTAL	2.74E+02	7.45E+02	4.E-02	5.2%	2.37E+04	1.E-03	0.3%				7.22E+02	4.E-02	3.2%
		VANADIUM, TOTAL	9.42E+02	2.61E+02	4.E-01	51.0%	1.66E+03	6.E-02	17.2%				2.25E+02	4.E-01	35.0%
	CHANNEL Total				**7.E-01**	**100.0%**		**3.E-01**	**100.0%**		**2.E-01**	**100.0%**		**1.E+00**	**100.0%**
	DITCHES	BENZENE	4.70E+01	1.49E+02	3.E-02	74.9%	4.13E+01	1.E-01	44.5%	6.38E+01	7.E-02	23.0%	2.15E+01	2.E-01	35.4%
		ETHYLBENZENE	1.37E+02	3.72E+03	4.E-03	8.7%	2.69E+02	5.E-02	19.9%	2.16E+03	6.E-03	2.0%	2.25E+02	6.E-02	9.9%
		XYLENES (TOTAL)	5.12E+02	7.45E+03	7.E-03	16.3%	5.64E+02	9.E-02	35.6%	2.13E+02	2.E-01	75.1%	1.51E+02	3.E-01	54.7%
	DITCHES Total				**4.E-02**	**100.0%**		**3.E-01**	**100.0%**		**3.E-01**	**100.0%**		**6.E-01**	**100.0%**

Note: Shaded cells indicate exeedance of threshold level of 1.0.

SECTION 4.0

Site-Wide Ecological Risk Assessment

4.1 Introduction

This site-wide ecological risk assessment (ERA) serves to assess the potential for risks to ecological receptors at CPCPRC. Following the ecological risk assessment guidance (EPA, 1997a), potential impacts to sediment-dwelling invertebrates, freshwater species, and marine resources were evaluated based on sediment, freshwater, and groundwater chemical concentrations, respectively, to determine if the potential exists for ecological effects on aquatic resources. The findings of this section will identify and support the presence or absence of any chemicals of potential ecological concerns related to the historical activities at the CPCPRC facility.

The primary guidance utilized in completing this site-wide ERA was the *Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessment, Interim Final* (EPA, 1997a). Sections 4.2 through 4.4 of the site-wide ERA are consistent with and focus on the first two steps outlined in the guidance to provide the most conservative evaluation. Section 4.5 of the report begins on the initial part of Step 3 of the ERA for Superfund. Additional guidance documents were used as they relate to the screening nature of this site-wide ERA, including:

- Ecological Risk Assessment for Superfund: Process for Designing and Conducting Ecological Risk Assessments (EPA, 1997a)
- ECO Updates, Volume 1, Numbers 1 through 5 (EPA, 1991a; 1991b; 1992a; 1992b; 1992c)
- ECO Updates, Volume 2, Numbers 1 through 4 (EPA, 1994a; 1994b; 1994c; 1994d)
- ECO Updates, Volume 3, Numbers 1 and 2 (EPA, 1996a; 1996b)
- Final Guidelines for Ecological Risk Assessment (EPA, 1998)
- The Role of Screening-Level Risk Assessments and Refining Contaminants of Concern in Baseline Ecological Risk Assessments (EPA, 2001a)

4.2 Site-Wide Problem Formulation

Problem formulation contains the background information necessary to develop a preliminary ecological conceptual site model (CSM). Information used to develop the ecological CSM includes a description of the ecological setting, identification of potential ecological receptors, evaluation of potential exposure pathways, identification of the assessment endpoints and measures, and identifying contaminants of potential ecological concern (COPECs).

4.2.1 Site History

CPCPRC is a 211-acre petrochemical plant located on the southeast coast of Puerto Rico, just west of the town of Guayama and approximately one-quarter mile north of the Caribbean Sea. The CPCPRC facility was constructed in 1966 on land previously graded and used for sugar cane cultivation. A manmade harbor, Las Mareas Harbor, built approximately one-half mile southwest of the main operation area, is used for receiving and shipping CPCPRC products.

The plant is located in the Coastal Lowlands physiographic province, which is approximately 3 miles wide in the vicinity of the plant and occurs along much of the southern coast of Puerto Rico. The general topography of the area is gently sloping, dipping southward from the mountains to the coast. Several industrial facilities are located north of Highway 3, which is approximately one-half mile north of the facility. The new AES Corporation power station lies immediately west of the facility, while the village of Las Mareas, a small community consisting of a single row of dwellings, is located approximately 1,000 feet south of the site on the coast of the Caribbean Sea. The Puerto Rico Aqueduct and Sewer Authority (PRASA) operates a wastewater treatment facility directly east of the CPCPRC facility.

4.2.2 Environmental Setting

The CPCPRC site is located in the Subtropical Moist Forest Zone (Ewel and Whitmore, 1973). However, the habitat surrounding the facility is largely disturbed due to the historical use for sugar cane production and currently supports industrial facilities. Where industrial facilities are absent, grasses, herbs, and plantations form the dominant surrounding landscape. The focus of this site-wide ERA is on the aquatic resources at the CPCPRC site, which are comprised of the manmade Effluent Channels, a Holding Pond, intermittent surface water in the AES Area, and the Beach where groundwater potentially leaves the site to enter the Caribbean Sea.

4.2.3 Exposure Areas

The CPCPRC facility and surrounding vicinity was divided into several potential exposure areas based on habitat type, potential exposure media present, and potential chemical transport mechanisms. These exposure areas are as follows:

AES Area

The AES Area was referred to as the West Cane field in previous reports. This developed location contains structures associated with power generation, including roads, parking lots, an administration building, coal conveyance and storage areas, power generation equipment, cooling towers, lined stormwater and lined makeup water impoundments, and other miscellaneous features.

A small portion of the AES property has remained undeveloped where diverted stormwater is discharged along the southern fence line. The area generally consists of standing water and a small (< 2 feet wide) intermittent surface water conveyance ditch. The AES Area is most likely to contain standing water during the hurricane season from late summer to early fall. Standing water is residual after rain runoff washes through this wooded area with leaf

litter and soil comprising the substrate. Little or no aquatic vegetation is present, although there is potential for ephemeral aquatic invertebrates to occupy these sites. Fish do not occupy these waters, although frogs and other aquatic species that could relocate over land may be opportunistically present. The area covered by these wet spots is approximately 50 feet by 1,000 feet, totaling 1.15 acres. A representative photograph of the AES Area is included at the end of this section.

The AES Area was first considered relevant for assessment because it was postulated that contaminated groundwater in the West Area plume may discharge to the ground surface in this area. Detailed evaluation of the fate and transport of contamination in this plume revealed that this was not the case. Instead, groundwater remains in the subsurface aquifer and flows predominantly in coarse-grained units (sand channels) as depicted in Plate 6. Although groundwater was not found to discharge in the area (*CMS-Related Investigation Report*, May 2003), CPCPRC has conservatively assumed that the intermittent surface water in the small ditch and sediment in the area of intermittent standing water are potentially complete exposure pathways for aquatic ecological receptors.

Ditches

Surface drainage across the CPCPRC facility initially collects in a system of runoff and diversion ditches that transport stormwater to the Effluent Channel (*RFI Report*, July 1999). Three 40- to 50-foot-long by 10-foot-wide concrete-lined stormwater conveyance ditches occupy an area of 0.0344 acres. There is no standing water or sediment in which to support aquatic or benthic life in the ditches. These manmade ditches are not considered habitat under EPA's definition of listed categories of aquatic habitats (EPA, [CWA, Section 404 (b)(1); *Federal Register*, 1980]). These small ditches were considered when evaluating potential exposure to construction and maintenance workers for the Human Health Risk Assessment (Section 3.0), but are not considered complete exposure pathways for ecological receptors. Thus, these areas are not evaluated for potential exposure to aquatic life. A representative photograph of the Ditch Area is included at the end of this section.

Holding Pond Area

Surface drainage across the CPCPRC facility that enters the stormwater runoff collection or diversion systems (*RFI Report*, July 1999) may be contained in the Storm Water Pond or enter one of several permitted National Pollutant Discharge Elimination System (NPDES) outfalls. Water that enters the Storm Water Pond drains into a 0.71-acre Holding Pond for later treatment at the onsite Industrial Water Treatment Plant. Emergent and submergent aquatic vegetation is present in this artificially created Holding Pond. Overhanging vegetation contributes organic matter to the substrate and the deep waters potentially support aquatic invertebrates, benthic invertebrates, and small fish. Habitat in and around the Holding Pond is of marginal suitability for wading birds due to the presence of steep banks and a depth of 5 feet.

The Holding Pond is not considered habitat under EPA's definition of listed categories of aquatic habitats (EPA [CWA, Section 404 (b)(1); *Federal Register*, 1980]); however, during the comment/response activities, CPCPRC agreed to evaluate this area in the ERA as a conservative measure. Surface water and sediment from the Holding Pond were evaluated for potential adverse effects to freshwater aquatic organisms, benthic macroinvertebrates,

and wildlife for the conservative purposes of this site-wide ERA. A representative photograph of the Holding Pond area is included at the end of this section.

Effluent Channel Area

The Effluent Channel is an unlined manmade ditch that conveys NPDES-permitted discharge and stormwater from the CPCPRC (and other facilities) to the Caribbean Sea. Overhanging trees and shrubs cover this year-round flowing channel (400 gpm NPDES permitted discharge). Emergent reeds and other brush fill the channel and, combined with leaf litter, comprise the organic substrate of this 5-foot-deep, slow-moving, and low-gradient waterway. Fish and other aquatic vertebrates are potentially present in addition to aquatic and benthic invertebrates. Sea life is prevented from entering the Channel at the outlet where the width is only 2 feet wide and water flows over a weir. The Effluent Channel dimensions on CPCPRC property are roughly 20 feet by 1,800 feet, totaling 0.83 acres. Surface water and sediment samples were collected from the Effluent Channel within CPCPRC property as well as at one location downstream of CPCPRC property and analyzed for the target analytes, which are considered in this site-wide ERA for potential adverse effects to freshwater aquatic organisms and benthic invertebrates. A representative photograph of the Effluent Channel area is included at the end of this section.

Beach Area

The Beach is a coarse gravelly shore area of the Caribbean Sea. Substrate is predominantly rock and sand with little organic matter. Strong wave action washes away fines down a moderate slope toward the sea. There is little, if any, marine vegetation in Beach waters, although aquatic invertebrates are likely present. Detailed evaluation of the fate and transport of groundwater contamination clearly demonstrated that contamination in the Southeast Corner plume (i.e., the plume closest to the Caribbean Sea) does not migrate south towards the Caribbean Sea. In addition, groundwater quality data from the lower alluvial aquifer demonstrate that benzene is only found in isolated areas onsite and is not found between the site and the Caribbean Sea in this aquifer.

Consistent with CPCPRC's goal of conservatively assessing potential risk, however, shallow groundwater samples from the Beach Area were evaluated in this site-wide ERA for the potential to produce adverse effects to aquatic organisms in the Caribbean Sea. The potential for effects on relevant avian wildlife was also evaluated in the refinement of this site-wide ERA. An estimate of the dimensions of this area was not calculated as it is greater than the home ranges of potential wildlife receptors that may use this habitat. Therefore, it was assumed that the Beach Area included in this site-wide ERA is greater than 1.15 acres. A representative photograph of the Beach Area is included at the end of this section.

4.2.4 Ecological Receptors

The wildlife community in the area is dominated by birds. Except for bats, native mammals have been extinct in Puerto Rico since the end of the Pleistocene period (1.1 million to 11,000 years ago) (Reagan and Waide, 1996). The only other non-volant mammalian species, such as the black rat (*Rattus rattus*), house mouse (*Mus musculus*), and Indian mongoose (*Herpestes auropunctatus*), were introduced by Europeans and are relatively abundant.

Qualitative and quantitative identification of small mammals, reptiles, amphibians, avian species, and major plant species present at the CPCPRC facility are provided in the 1999 *RFI Report* (Section 7, July 1999 *RFI Report*). No threatened or endangered species were observed during the site-specific surveys, and no areas were identified as having sensitive or critical habitat within two miles of the CPCPRC facility (CPCPRC *RFI Report* July 1999).

Consultation with the U.S. Fish and Wildlife Service (USFWS) regarding threatened and endangered species that may occur in the vicinity of the facility resulted in identifying several special status species that could potentially occur in the vicinity of the CPCPRC site (Appendix D-2). These are:

- Antillean manatee — *Trickechus de manatus*
- Brown pelican — *Pelecanus o. occidentalis*
- Yellow-shouldered blackbird — *Agelaius xanthomus*
- Puerto Rican plain pigeon — *Columba inornata wetmorei*
- Leatherback sea turtle — *Dermochelys coriacea*
- Hawksbill sea turtle — *Eretmochelys imbricata*

Federally listed threatened or endangered species for Puerto Rico include three amphibians, 10 reptiles, nine birds, and four marine mammals (Appendix D-2). Of these, all of the threatened or endangered amphibians are restricted to areas outside the vicinity of the CPCPRC site. Similarly, six of the reptile species and five of the bird species have limited ranges that are outside the CPCPRC site. The four remaining reptile species are sea turtles that range in the waters surrounding Puerto Rico, but only the hawksbill sea turtle has the potential to occur in the vicinity of the site. This species forages on rocky outcrops and high energy shoals, and may potentially occur in the Beach Area. However, Mona Island, approximately 47 miles southwest of Puerto Rico, is a preferred nesting area for the hawksbill, and this species is unlikely to nest in the Beach Area. The green sea turtle (*Chelonia mydas*) is unlikely to be found at the Beach Area because this area lacks marine grass and algae needed for food and the shore is rocky with no nesting habitat. Nesting habitat (i.e., sandy beaches) for the leatherback and loggerhead (*Caretta caretta*) sea turtles also is not located at the Beach Area. The loggerhead sea turtle may inhabit coastal lagoon or river mouth habitats; therefore, there is a small possibility that this sea turtle may be attracted to habitat at the mouth of the Effluent Channel. However, discharge from the Effluent Channel is low and there is a weir at the mouth preventing entrance to this area by marine life.

Two of the threatened or endangered birds (brown pelican and roseate tern – *Sterna dougallii dougallii*) may occur in the Beach Area, although the brown pelican would likely only utilize the area for loafing and drying out. The roseate tern eats small fish and may occur here during the breeding season, but they generally do not nest on large islands and, therefore, would be unlikely to prefer this area on the mainland. This species is known to breed on Culebra Island, located 20 miles northeast of Puerto Rico. Although the piping plover (*Charadrius melodus*) is a coastal species, it is not likely to use the Beach Area because it lacks mudflats for foraging. If the piping plover was present, it would likely be transient and only occur during the winter because these birds breed far north of Puerto Rico. The yellow-shouldered blackbird also is unlikely to occur at the CPCPRC site. This species has only been found in three areas of Puerto Rico. One area is on the eastern side of Puerto Rico, but

it is unknown whether this area overlaps with the location of the CPCPRC facility on the southeastern portion of the island. Additionally, this is not an obligate wetland species, although it may occur in the mangrove zone in some areas. In addition, the USFWS reports that the least tern (*Sterna antillarum*) is listed as a species of concern by the Commonwealth and may occur in the area. However, preferred habitat for the least tern includes sparsely vegetated sand and gravel bars or salt flats along lakes, neither of which occur at the CPCPRC site.

Of the four threatened or endangered marine mammals identified by the USFWS, the Caribbean monk seal (*Monachus tropicalis*) is extinct in the Puerto Rico area and the West Indian manatee (*Trichechus manatus*) and finback whale (*Balaenoptera physalus*) are unlikely to utilize the Beach Area. Because manatees prefer shallow coastal areas, they would be unlikely to frequent the steep beaches located in the Beach Area. Manatees also may inhabit canals that are of sufficient depth (usually 1.5 to 6 meters); therefore, the Effluent Channel could theoretically attract this species. However, the weir at the mouth of the Effluent Channel prevents entrance to these waters. Additionally, the species is not known to regularly occur in Puerto Rico. Although finback whales transiently occupy near shore areas, they prefer offshore areas and are unlikely to occur in the Beach Area. Moreover, a complete exposure pathway to this species is unlikely because they do not forage during the winter when they may be found in the area of Puerto Rico. The sperm whale may occur close to shore near the Beach Area because of the steep Beach; however, this species prefers deep waters and is mainly oceanic.

Threatened and endangered avian species were considered during selection of the receptors and assessment endpoints. It was assumed that the conservative screening criteria for sediment and surface water would also be protective of the special status sea turtles.

Receptors identified for evaluation in the risk assessment were selected because:

- They are likely to be highly exposed due to life histories that place them in constant contact with the exposure media
- They are relatively sessile (i.e., immobile)
- They occur onsite and in the immediate area

The groups of receptors that will be evaluated are:

- Aquatic life exposed to fresh surface water
- Aquatic life exposed to marine/estuarine water
- Benthic invertebrates exposed to freshwater sediments
- Avian wildfire directly or indirectly exposed to site surface water and sediment

The great blue heron (*Ardea herodias*) and black-necked stilt (*Himantopus mexicanus*) were selected as surrogate avian receptor species for this site-wide assessment of the CPCPRC Site. These species were chosen for several reasons:

- Habitat in the exposure areas consists of shallow wetlands that are the habitat preferred by these species (Robinson et al., 1999; Butler, 1992).

- The diet of the great blue heron consists primarily of fish that uptake chemicals through direct contact with surface water. Thus, the great blue heron maximizes the potential exposure to site water.
- The great blue heron represents the piscivorous bird-feeding guild that may be present at the site and are exposed to surface water. Risks to the great blue heron would also be representative of those for the pelican, identified as a threatened or endangered species potentially occurring at the site (USFWS, 2001). The pelican occupies a similar feeding niche as the heron. Although the pelican may prefer larger fish, large fish are not expected to occur at the site.
- The diet of the black-necked stilt consists primarily of benthic invertebrates. These food types can be directly associated with the site and maximize the potential exposure to site sediments.
- The black-necked stilt serves as a surrogate species for all insectivorous birds that may be present at the site and are exposed to sediments, in addition to wetland-associated and terrestrial birds (e.g., yellow-shouldered blackbird) that may forage on emergent adults aquatic insects.

Life history information exists for both the great blue heron (Robinson et al., 1999; EPA, 1993) and the black-necked stilt (Butler, 1992) with which to parameterize exposure models for these species.

4.2.5 Conceptual Site Model

Figure 4-1 illustrates the ecological CSM for the CPCPRC site. The primary mechanisms for transport of analytes from the source areas are believed to include the following:

- Direct contact with analytes by aquatic organisms through surface water media
- Direct contact with analytes by benthic invertebrates through sediment media
- Uptake of contaminants by wildlife (aquatic birds) from ingested sediment or surface water, and food exposed to media in contact with analytes
- Upwelling discharge of chemicals from the groundwater to marine water where aquatic organisms are in direct contact with analytes through marine water media
- Uptake of contaminants by wildlife (aquatic birds) from ingested marine water[1] and food exposed to media in contact with analytes

An exposure pathway is the course that an analyte takes from a source to an organism (receptor). For an exposure to occur, complete exposure pathways must exist. Ecological resources at the site could potentially be exposed to analytes through different exposure routes (Figure 4-1). Aquatic organisms and benthic invertebrates would experience direct contact with an analyte in surface water or sediment, respectively. Aquatic birds are also

[1] It is unlikely for great blue herons to ingest marine water as part of their diet; instead, they would drink surface water from another area of their home range. However, marine water was used as the source of drinking water in the Beach wildlife exposure model as a conservative measure.

exposed to analytes through ingestion of sediment, surface waters, and biota (e.g., fish and benthic invertebrates). Mammalian wildlife receptors were not considered in this risk evaluation because only non-native mammals occur at the site. Terrestrial species and potential risk to terrestrial biota through soil were excluded in this ERA[2] because potential exposure pathways through surface soils are incomplete. Statistical evaluation of metals in offsite surface soils demonstrated that soil metals levels are unlikely to be a result of facility operations (Appendix A, Statistical Evaluation of Metals in Soils). Additionally, detailed analysis of the fate and transport of groundwater contamination reveals that groundwater does not discharge to the surface and, therefore, does not impact surface soils. Thus, the exposure pathway from to surface soil is incomplete.

Although aquatic life is not directly exposed to groundwater, a potentially complete exposure pathway exists where groundwater discharges into the Caribbean Sea. Thus, groundwater was evaluated for potentially adverse effects from chemicals in marine water as a conservative estimate of exposure to marine aquatic organisms and avian wildlife. Sediments immediately adjacent to the Beach Area consist of rock and sand, and contain little, if any, organic matter. Therefore, analytes from groundwater discharge to the marine waters are not expected to be adsorbed or deposited onto these materials. Thus, the pathway to sediment is considered incomplete.

4.2.6 Ecological Assessment and Measurement Endpoints

The EPA's ERA Superfund guidance (EPA, 1997a) defines assessment endpoints as "explicit expressions of the actual environmental values" (e.g., ecological resources that are to be protected). "Valuable ecological resources include those without which ecosystem function would be significantly impaired, those providing critical resources…and those perceived as valuable by humans…" Because assessment endpoints typically encompass many ecological attributes (some of which are difficult to evaluate), measurement endpoints were selected to evaluate potential risks to the assessment endpoints. EPA (1997a) defines a measurement endpoint as "a measurable biological response to a stressor that can be related to the valued characteristic chosen as the assessment endpoint." Measurable effects may include reduced survival, reduced growth, reproductive impairment, and changes in community structure or function.

For this site-wide ERA, the assessment endpoints identified for the CPCPRC site targeted ecological resources that, because of their ecological characteristics, represent important components of the local ecosystem that are most likely to be in direct contact with potentially contaminated media. These receptors included aquatic organisms, benthic invertebrates, and aquatic birds. Mammalian receptors typically included as assessment endpoints in most ERAs were not evaluated for the CPCPRC site due to incomplete exposure pathways to terrestrial receptors, and because all species potentially present at the site (and Puerto Rico) are introduced. The rodents and the Indian mongoose (*Herpestes auropunctatus*), which are present in Puerto Rico, are species introduced by Europeans

[2] Telemeeting Summary. Minutes – December 18, 2001, Conference call to discuss EPA's responsiveness summary relative to CPCPRCs response to EPA comments on the May 2001 Field Activities Report and July 2001 Risk Report. Attendees: Mr. Sam Ezekwo/USEPA, Mr. Jose Toracca/CPC, Mr. Nestor Marquez/CPC, Mr. Greg Young/CPC, Ms. Connie Crossley/Booz Allen, Mr. Rick Kuhlthau/Booz Allen, Ms. Carolyn Fordham/CH2M HILL, Mr. John Blakney/CH2M HILL, Mr. Mace Barron/Booz Allen, Mr. Brad Sample/CH2M HILL, Ms. Kathy Rogovin/Booz Allen, Mr. Pete Day/Phillips Petroleum Co., Mr. Jake Gallegos/ CH2M HILL January 15, 2002.

(Reagan and Waide, 1996; Philibosian, 1977). The only extant and native mammals in Puerto Rico are bats (Reagan and Waide, 1996), which are considered to be protected if avian wildlife receptors are protected, because these birds would receive greater direct exposure to site media. The ecological receptor categories, measurement endpoints, and approach for assessing the endpoints are presented in Table 4-2.

Valued ecosystem components include threatened and endangered species. Three special status species (hawksbill sea turtle, brown pelican, and roseate tern) were determined to potentially be present at the CPCPRC site during some part of their life history (Section 4.2.4). All three species could potentially occur at the Beach where they may forage on fish or invertebrates, although the brown pelican would likely only utilize the area for loafing and drying out. The pelican and tern could also potentially utilize the Holding Pond as a feeding area. The Beach and Holding Pond contain poor-quality habitat for these special status species and they are only likely to reside there to a much more limited extent than the other wildlife receptors evaluated. Consequently, special status species are considered to be protected if avian wildlife receptors are protected. This is because herons and stilts would receive greater direct exposure to site media due to conservative dietary exposures and longer residence times.

4.2.7 Summary of Available Analytical Data

Data used for this risk assessment are described in Section 2.0 of this report. These include sample analysis results from the AES Area, the Holding Pond, the Effluent Channel, and the Beach Areas. Sediment samples were collected in 2001 from the AES Area and analyzed in discrete depths of 0 to 6 inches and 6 to 24 inches for VOCs, SVOCs, and metals. Sediment samples were also collected from the Effluent Channel and Holding Pond, and groundwater samples were collected from the Beach. Groundwater samples from the Beach Area were analyzed for dissolved and total recoverable metals. Surface water samples were collected from the AES, Holding Pond, and Effluent Channel areas. In the Holding Pond and Effluent Channel areas, samples were analyzed for dissolved and total recoverable metals. In the AES Area, only total metals were analyzed. Following EPA guidance (Prothro, 1993), only dissolved metals were screened in surface water for this site-wide ERA using the most recent chronic National Ambient Water Quality Criteria (NAWQC) (EPA, 2002). In the AES Area, where only total metals were available in surface water samples, the NAWQC were estimated based on equations presented in EPA (2002). A summary of measured analytes and statistical results are presented in Table 4-1. Figures 4-2 and 4-3 show the sample locations where data were collected.

4.3 Initial Site-Wide Effects Evaluation

4.3.1 Screening Ecotoxicity Values

The purpose of the effects evaluation is to establish exposure levels (screening ecotoxicity values [SEVs]) that represent a conservative upper bound for no adverse ecological effects for the protection of aquatic organisms and benthic invertebrates. SEVs based on low or no effects (low SEVs) were identified from peer-reviewed published literature and promulgated sources for surface water, marine water, and sediment media in the initial screening evaluation.

Although ecological receptors are not typically exposed to groundwater, and groundwater is not generally considered to be an exposure medium for ecological receptors, the chronic saltwater NAWQC (EPA, 2002) were compared to groundwater COPEC concentrations to provide a conservative screen for risk to aquatic biota from analytes discharging to the Caribbean Sea. If there was no NAWQC for an analyte, values published by NOAA (Buchman, 1999) were used; finally, values that conservatively estimate the freshwater chronic NAWQC (Suter and Tsao, 1996) and Ecological Screening Levels (ESLs) from EPA Region 5 (EPA, 2003) were used if there were no screening values from the primary sources mentioned (Table 4-3).

For surface water, chronic NAWQC for freshwater biota were identified to provide a conservative screen for analytes. If there was no NAWQC for an analyte, values published by NOAA (Buchman, 1999) were used; finally, values that conservatively estimate the freshwater chronic NAWQC (Suter and Tsao, 1996) and EPA Region 5 ESLs (EPA, 2003) were used if there were no screening values from the primary sources mentioned. SEVs for analytes that did not have screening values from either source were obtained from other published sources (Table 4-4).

SEVs for hardness-dependent metals criteria (cadmium, chromium, copper, lead, nickel, silver, and zinc) were derived with equations from EPA (2002). Dissolved metals were screened in surface waters for all areas except the AES Area, where only total metals were available in surface water samples. Total metals concentrations were screened against total metals criteria (EPA, 2000) at the AES Area. A site-specific hardness value of 318 mg/L was used in these calculations as determined from the average of eight samples collected from the Effluent Channel. Given the comparatively limited geographical extent of the site and the fact that the Holding Pond, AES Area, and Effluent Channel are hydrologically connected, this site-specific hardness value is appropriate for risk evaluation. The freshwater chronic SEV for ammonia when early life stages are present was calculated based on the equation from EPA (2002), using a pH of 7.4 and a temperature of 24 degrees Celsius (°C) based on average site chemistries.

Conservative SEVs for the protection of benthic macroinvertebrates in sediment were compiled from several sources (Table 4-5). Consensus-based sediment quality guidelines from MacDonald et al. (2000) and those determined as EPA Region 5 ESLs were initially listed. Threshold Effects Level (TEL) concentrations determined by Jones et al. (1997), Region 4 ecological screening values (ESVs) (EPA, 1995), and Ecotox Threshold (ET) values (EPA, 1996b) were also selected as SEVs for analytes that were not reported by either previous source. These low SEVs are concentrations considered protective of benthic organisms and represent concentrations below which adverse effects are not seen, or are rarely seen. Sediments with concentrations at or below the low SEVs are considered generally clean to marginally polluted (MacDonald et al., 2000).

Screening values for avian wildlife were compiled from a number of published literature sources. A literature review of toxicity information was conducted to identify potentially appropriate SEVs for birds. SEVs that represent doses for upper trophic-level birds were selected in accordance with EPA guidance (EPA, 1997a). Study selection included consideration of ecological relevance, study duration, effect level, study endpoints, test species, form of chemical, whether effect concentrations are bounded, and exposure routes. When available, studies representing no observed adverse effects levels (NOAELs) were

selected over those reporting lowest observed adverse effects levels (LOAELs) or the lethal dose to 50 percent of the test population (LD50s). NOAELs represent the maximum concentrations or dosages from chronic exposure studies that did not cause any effects for which a high degree of protectiveness is assumed. If measured NOAELs were lacking, estimated NOAELs were derived by applying uncertainty factors to the measured LOAEL or LD50. Uncertainty factors were applied to a literature-derived toxicity value in accordance with EPA guidance (EPA, 1997a) to account for any differences between the reported effect level, exposure duration, and the estimated chronic NOAEL or chronic LOAEL endpoint which was used to evaluate the potential for risk at the CPCPRC site. The following uncertainty factors were used in deriving chronic NOAELs for SEVs (Wentsel et al., 1996):

Endpoint	Uncertainty Factor to Derive Chronic NOAEL	Uncertainty Factor to Derive Chronic LOAEL
Chronic NOAEL	1	-
Chronic Lowest Observed Adverse Effect Level (LOAEL)	5	1
Subchronic NOAEL	10	-
Subchronic LOAEL	20	2
Subacute/acute NOAEL	30	-
Subacute/acute LOAEL	50	5
Lethal concentration, median/lethal dose to 50 percent of test organisms (LC_{50}/LD_{50})100	100	10

Studies were defined as chronic, subchronic, subacute, or acute, based on standard guidelines (Sample et al., 1996; Klaassen et al., 1986) in order to consistently apply uncertainty and calculate normalized SEVs:

- **Chronic –** Studies lasting more than 10 weeks for birds or conducted during a critical life stage (i.e., reproduction)
- **Subchronic –** Studies 4 to 10 weeks
- **Subacute –** Studies lasting as long as 4 weeks in which multiple doses were given
- **Acute –** Studies in which only one dose was given

Chronic studies were selected over subchronic and acute studies, when available, to provide a conservative SEV. Studies that represented dietary exposure routes (as opposed to gavage), were also preferentially selected because the oral route is being quantitatively evaluated in the exposure assessment.

Multiple studies met the endpoint, duration, and relevance criteria for selection for several COPECs. In these cases, best professional judgment was used to select only one study for each COPEC. Preference was given to studies on reproductive effects, followed by studies on survivorship, growth, and systemic effects, so that the selected measurement endpoints would match the chosen assessment endpoints for the site. When multiple studies met the

above criteria, the SEVs were selected according to procedures outlined in the ERA guidance (EPA, 1997a). Table 4-6 contains the different toxicity values, by chemical, that were reviewed and the NOAEL and LOAEL (if available) SEVs that were selected for each chemical.

4.3.2 Exposure Estimates for Lower Order Trophic Guilds

Less-mobile lower trophic-level organisms (e.g., freshwater sediment invertebrates and some aquatic vertebrates) are exposed to more localized concentrations of contaminants than are more mobile, higher trophic level receptors. As a measure of conservatism, potential toxicity of site-related chemicals to these receptors was evaluated by using the greater of the maximum detected concentrations or maximum detection limit (when no detected concentrations existed) as exposure point concentrations (EPCs). Undiluted groundwater was considered a relevant and complete exposure pathway to marine aquatic organisms in the initial assessment, and was compared to marine aquatic organism SEVs for dissolved metals and other preliminary COPECs. Surface water was the relevant exposure media to freshwater aquatic organisms for dissolved metals and other preliminary COPECs. The initial site-wide EPCs used for benthic invertebrates included sediment concentrations from the top 24 inches collected throughout the site. The potential for risk to freshwater benthic invertebrates from total PAHs was also calculated. The summed concentrations of 13 individual PAHs (2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, naphthalene, phenanthrene, and pyrene [Jones et al., 1997]) in each sediment sample were considered as a measure of additive risk from these COPECs and compared total PAH SEVs reported by MacDonald et al. (2000).

For trophic guilds exposed to sediment and/or water media, it was conservatively assumed that chemicals in sampled media are 100-percent bioavailable and that they remain at a steady concentration (i.e., decomposition rates were not considered).

4.3.3 Exposure Estimates for Higher Order Trophic Guilds

Species-specific exposure parameters used to estimate wildlife exposure doses included the EPC, body weight, food intake rate, diet composition, dietary water intake, and percent of diet as sediment. For the initial site-wide problem formulation, conservative assumptions were used for exposure parameters. Although the great blue heron diet can consist of invertebrates and small mammals in addition to fish, the receptor diet was assumed to be comprised solely of fish as a conservative measure of exposure (Butler, 1992). Likewise the diet for the black-necked stilt was assumed to be based entirely on benthic invertebrates, although fish may comprise a small portion of the stilt diet (Robinson et al., 1999). Area use factors (AUFs) of 1.0 were also used in calculations, which assume that all of the daily food requirements for representative wildlife species are obtained at the site. Other exposure factor parameters for these avian wildlife receptors are provided in Table 4-7.

The EPC estimate used in the initial assessment was the greater of the maximum detected concentration or maximum detection limit in sediment and in surface water (or ground water sampled from the Beach). Data from the top 48 inches of sediment were used to calculate the EPCs for sediment ingestion and for uptake by sediment-exposed prey items.

Site-specific concentrations of contaminants in wildlife foods were not available for the CPCPRC site. Bioaccumulation values and models derived from published literature were therefore used to estimate concentrations in food items based on media concentrations. Because bioaccumulation is a non-linear process, log-linear regression models were used if available. These log-linear bioaccumulation regression models for benthic invertebrates (Betchel Jacobs, 1998) were used to estimate the uptake of several metals into invertebrate tissues. Models for earthworms were used (Sample et al., 1998a) when data for uptake into benthic invertebrates were not available. In the absence of benthic invertebrate or earthworm regression models, the 90th percentiles of bioaccumulation factors (BAFs) for earthworms were used for inorganic contaminants (Sample et al., 1998a).

For organic contaminants, sediment-to-benthic invertebrate BAFs from the peer-reviewed literature were selected preferentially to calculating BAFs from log Kow-based models (Southworth et al., 1978) using:

$$Log\text{BAF} = 0.819 \times log\ K_{ow} - 1.146$$

Fish BCFs from Sample et al. (1996) were available for some metals and organic compounds. Uptake factors for metals were assumed to equal one when reported water-to-organism BCFs were not available. When otherwise unavailable from the published literature, fish BCFs for organic compounds were calculated from log Kow-based models (Lyman et al., 1982) using:

$$Log\text{BCF} = 0.76 \times log\ K_{ow} - 0.23$$

Calculated BCFs were then adjusted by a log Kow-based aquatic food chain multiplier for the tertiary prey trophic level (EPA, 2003b) in order to approximate uptake into fish. The biotransfer factors used to estimate analyte concentrations in food items are provided in Table 4-8. In addition, it was assumed that tissue uptake occurs under steady-state conditions.

Biotransfer factor models estimate tissue concentrations on a dry-weight basis. Although wildlife do not consume dry food, these values were not converted to wet-weight basis before use in exposure estimation calculations as food ingestion rates were also reported on a dry-weight basis. Exposure estimates for avian wildlife receptors were generated for each COPEC using the following exposure model modified from Suter et al. (2000):

$$E_j = \left[Sed_j \times P_S \times FIR\right] + \left[\sum_{i-1}^{N} B_{ij} \times P_i \times FIR\right] + \left[Water_j \times WIR\right]$$

where:

E_j = total dietary exposure (mg/kg/d)

Sed_j = concentration of chemical (j) in sediment (mg/kg dry weight)

P_s = sediment ingestion rate as proportion of diet

FIR = species-specific food ingestion rate (kg food/kg body weight/d)

B_{ij} = concentration of chemical (j) in biota type (i) (mg/kg dry weight)

P_i = proportion of biota type (i) in diet

$Water_j$ = concentration of chemical (j) in water (mg/L)

WIR = species-specific water ingestion rate (L/kg body weight/d)

Implementation of the dietary exposure model requires data in the form of site-specific concentrations of contaminants in abiotic media, species-specific life history parameters (i.e., body weight; ingestion rates of food, water, and sediment; diet composition), and estimated contaminant concentrations in dietary items. Surface water data were substituted for sediment as the source of uptake media in this equation when appropriate. Particle-bound contaminants in water were assumed not to be bioavailable. Consequently, dissolved metal concentrations were used to determine the tissue concentrations in aquatic prey. Total metal concentrations were used in calculations for exposure from ingested drinking water for each receptor.

4.4 Initial Risk Characterization

Analysis of the potential for adverse ecological effects examined the ratio between the level of exposure and concentration where no effects occur. In the site-wide assessment, the EPC was considered to be the greater of the maximum detected concentration or the maximum non-detected concentration. The EPC was compared to an analyte-specific SEV representing a no-effect level or equivalent value (SEV-low or NOAEL). The ratio between these two values is called the hazard quotient (HQ) and the following equation was used:

$$HQ = ED/SEV \text{ or } C/SEV$$

where:

HQ = Ecological hazard quotient (unitless)
ED = Estimated chemical intake (dose) by receptor (mg/kg-day)
C = Sediment or water EPC (mg/kg or mg/L)
SEV = Screening Ecotox Value (numerical criteria or calculated dose in mg/kg-day)

A HQ value < 1.0 indicates that adverse effects associated with exposure to a given analyte are unlikely (EPA, 1997a). These analytes were not considered to present any risk and were excluded from further evaluation. If the exposure to any COPEC equals or exceeds the SEV, the HQ will exceed unity. A HQ ≥ 1.0 indicates data are insufficient to exclude the potential for risk, but does not indicate that risks are actually present. Chemicals for which the HQ equaled or exceeded one were retained for a more detailed evaluation in the refinement stage. Thus, the outcome of the initial step was to generate a list of preliminary COPECs for each media or a conclusion of no unacceptable risk.

When a cumulative effect to a receptor is expected due to exposure to more than one chemical with similar toxicological effects, an ecological HI was calculated. This was based on the assumption that the effects are additive for COPECs which have the same toxic mechanism. An ecological hazard index (HI) is the sum of all hazard quotients with similar toxicological mechanisms. HIs were calculated for total PCBs and total PAHs for each receptor. All individual chemicals within the chemical class were retained for further

investigation in the refinement when the HI exceeded one and the contaminant class may pose a potential risk to receptors.

4.4.1 Marine Aquatic Organisms

Marine SEVs were available for 18 of the 19 metals analyzed in groundwater for potential effects on marine aquatic organisms (Table 4-9). A total of eight metals (barium, beryllium, copper, iron, manganese, nickel, silver, and zinc) had HQs greater than one, ranging from 2.4 (zinc) to 260 (barium), although only barium and manganese (35) HQs exceeded 10. The remaining 10 metals (antimony, arsenic, cadmium, chromium, chromium VI, cobalt, lead, mercury, selenium, and vanadium) did not have maximum undiluted groundwater concentrations greater than the SEVs and were determined to not pose a potential risk to marine aquatic organisms at the site. No SEV was available for magnesium, and it was retained as an uncertainty.

Screening values were available for 117 of the 129 organic compounds. A total of 31 organics had HQs greater than one, ranging from 1.1 (benzo[b]fluoranthene and benzo[k]fluoranthene) to 710 (dibenz[a,h]anthracene, chrysene, and benzo[a]pyrene). These compounds were retained as preliminary COPECs for further evaluation in the refined assessment. The remaining 86 organics with available SEVs did not have HQs greater than one and were determined to not pose a potential risk to marine aquatic organisms at the site. The 12 organics that did not have SEVs were retained as uncertainties.

Marine SEVs were available for seven of the 29 general chemistry parameters. The site pH was within the acceptable range and, therefore, does not pose a potential for risk to aquatic organisms at the CPCPRC site. HQs for phosphorus (phosphorus [19,000] and total phosphorus [270]) and nitrogens (TKN [17], nitrate [2.0], nitrite [1.6], and total nitrogen [38]) were greater than one, and these analytes were retained for additional analysis in the refined assessment. The remaining 22 general chemistry parameters were retained as uncertainties.

4.4.2 Freshwater Aquatic Organisms

Freshwater aquatic SEVs were available for 19 of the 20 metals analyzed in surface water for potential effects on freshwater aquatic organisms (Table 4-10). A total of 13 metals (antimony, barium, beryllium, cadmium, cobalt, iron, lead, manganese, nickel, selenium, silver, thallium, and vanadium) had HQs greater than one, ranging from 1.2 (lead) to 180 (barium) and were retained as preliminary COPECs for evaluation in the refinement. Only barium and thallium (170) HQs exceeded 100, and only manganese (21), selenium (12), and silver (28) HQs were greater than 10. The remaining six metals (arsenic, chromium, chromium VI, copper, mercury, and zinc) did not have maximum concentrations greater than the SEVs and were determined to not pose a potential risk to freshwater aquatic organisms at the CPCPRC site. No SEV was available for magnesium and it was retained as an uncertainty.

Screening values were available for 102 of the 113 organic compounds analyzed in surface water. A total of 73 organics had HQs greater than one, ranging from 1.0 (2,4-dimethyl phenol) to 250,000 (hexachlorobenzene). These 73 compounds were retained as preliminary COPECs for further evaluation in the refined assessment. The remaining 29 organics with

available surface water SEVs did not have HQs greater than one and were determined to not pose a potential risk to freshwater aquatic organisms at the site. No SEVs were available for 11 organic compounds that were therefore retained as uncertainties.

Surface water SEVs were available for nine of the 31 general chemistry parameters analyzed in surface water. Only one parameter, pH, was within the acceptable range and does not pose a potential for risk to aquatic organisms at the CPCPRC site. HQs for alkalinity (24), total ammonia (1,600), total phosphorus (5.6), chloride (5.6), TKN (20), nitrate (22), nitrite (11), and total suspended solids (23) were greater than one, and these analytes were retained for additional analysis in the refined assessment. The remaining 22 general chemistry parameters were retained as uncertainties.

4.4.3 Benthic Invertebrates

Sediment SEVs were available for 12 of the 20 metals analyzed in sediment for potential effects on sediment invertebrates (Table 4-11). A total of 10 metals (antimony, cadmium, chromium, copper, lead, manganese, mercury, nickel, silver, and zinc) had HQs greater than one, ranging from 2.7 (lead) to 1,200 (manganese), although only manganese and chromium (43) HQs exceeded 10. The remaining two metal (arsenic and cobalt) concentrations in sediments were not greater than the SEVs and, therefore, were determined to not pose a potential risk to sediment invertebrates at the CPCPRC site. No SEVs were available for barium, beryllium, chromium VI, iron, magnesium, selenium, tin, or vanadium; thus, these metals were retained as uncertainties.

Screening values were available for 126 of the 146 organic compounds analyzed in site sediments. A total of 98 organics had HQs greater than one, ranging from 1.0 (1,3-dichlorobenzene) to 59,000 (acrolein). Total PAHs had a HQ of 16. These 98 compounds were retained as preliminary COPECs for further evaluation in the refined assessment. Only 27 of the retained COPECs were based on detected concentrations. The remaining 28 organics with available sediment SEVs did not have HQs greater than one and were determined to not pose a potential risk to freshwater sediment invertebrates at the site. No SEV was available for 20 organic compounds that were retained as uncertainties.

Sediment SEVs were available for only one (cyanide) of the seven general chemistry parameters analyzed in site sediments. The cyanide HQ (2,500) exceeded one and cyanide was retained as a preliminary COPEC for the refined assessment. SEVs were not available for the remaining six general chemistry parameters that were retained as uncertainties.

4.4.4 Avian Wildlife

Results of the initial exposure analysis and risk estimation for avian wildlife exposed to site sediments are presented in Table 4-12. Avian NOAEL-based SEVs were available for 18 of the 21 metals analyzed in site media (Table 4-6). SEVs were not available for antimony, beryllium, and magnesium, which were retained as uncertainties. A total of 74 SEVs were available for the 147 organic compounds analyzed at the CPCPRC site. Phosphorus and cyanide were the only two of 25 general chemistry analytes that had SEVs for avian wildlife.

Great Blue Heron

Four metals (cadmium, mercury, selenium, and thallium), all seven PCBs, eight PAHs (7,12-dimethylbenz[a]anthracene, benzo[a]anthracene, benzo[g,h,i]perylene, benzo[k]fluoranthene, fluoranthene, fluorene, phenanthrene, and pyrene), and six other organic compounds (1,2,3-trichlorobenzene, butylbenzyl phthalate, di-n-butylphthalate, di-n-octyl phthalate, hexachlorobenzene, and pentachlorophenol) exceeded their respective NOAEL-based SEVs for the great blue heron. These analytes were, therefore, retained as preliminary COPECs for additional analysis in the refinement. The magnitudes of these NOAEL-based HQs ranged from 1.2 (mercury) to 58 (thallium) for the metals, and from 1.1 (fluoranthene) to 883 (benzo[g,h,i]perylene) for all organics except di-n-octyl phthalate, which had an HQ of 560,000. The high HQ for di-n-octyl phthalate was largely due to the high-log Kow (9.87) driving a very large biotransfer factor derived from the log Kow-based equation. All PCBs and all PAHs, including the 15 with NOAEL-based HQs less than one, were retained as preliminary COPECs as the effects from individual contaminants in these classes can be additive and the sum of HQs from each class exceeded one.

Of the 20 analyzed metals, 13 passed the initial evaluation and were determined to not pose a potential risk to avian piscivores. Three additional metals (antimony, beryllium, and magnesium) did not have NOAEL-based SEVs and were retained as uncertainties. Phosphorus and 44 organic compounds with NOAEL-based HQs less than one were determined to not pose a potential risk to avian piscivores at the CPCPRC site. Sixty-three organic compounds and 23 of the 24 general chemistry analytes did not have NOAEL-based SEVs, and were retained as uncertainties.

Black-Necked Stilt

A total of 11 metals (cadmium, chromium, chromium VI, iron, lead, manganese, mercury, nickel, selenium, tin, and zinc), all seven PCBs, three PAHs (anthracene, benzo[g,h,i]perylene, and benzo[k]fluoranthene), and 12 additional organic compounds (1,2,4-trichlorobenzene, bis[2-ethylhexyl]phthalate, butylbenzyl phthalate, diethylphthalate, dimethylphthalate, di-n-butylphthalate, di-n-octyl phthalate, hexachlorobenzene, pentachlorophenol, benzene, ethylbenzene, and total xylenes) exceeded their respective NOAEL-based SEVs for the black-necked stilt and were retained as COPECs for additional analysis in the refinement. The magnitude of these NOAEL-based HQs ranged from 1.8 (zinc) to 236 (iron) for all metals, and six of the metals (chromium VI, manganese, mercury, nickel, tin, and zinc) had HQs less than 10.

NOAEL-based HQs for organic compounds ranged from 1.1 (anthracene) to 4,510 (benzo[g,h,i]perylene), except for di-n-octyl phthalate (13,000,000) and bis[2-ethylhexyl]phthalate (24,000). The high HQs for phthalate compounds were due to the high-log Kows driving very large biotransfer factors derived from the log Kow-based equations.

NOAEL-based HQs exceeded one for each individual PCB, and also for the sum of all HQs for this class of contaminant (known as the hazard index) (PCB HI=52); thus, PCBs were retained for further analysis in the refinement. All PAHs were also retained as preliminary COPECs as the effects from individual contaminants in these classes can be additive and the PAH HI exceeded one (4,890), although only five of 17 individual PAH HQs exceeded one.

Of the 20 analyzed metals, six passed the initial evaluation and were determined to not pose a potential risk to avian insectivores. Three additional metals (antimony, beryllium, and magnesium) did not have NOAEL-based SEVs and were retained as uncertainties. Cyanide and 38 organic compounds with NOAEL-based HQs less than one were determined to not pose a potential risk to aquatic avian insectivores at the CPCPRC site. Seventy-one organic compounds and three general chemistry analytes (calcium, potassium, and sodium) did not have NOAEL-based SEVs and were retained as uncertainties.

4.5 Refinement of Preliminary Contaminants of Concern

A refinement of the site-wide ERA allows for the calculation of HQs using less conservative and often more realistic or site-specific exposure and effects assumptions. Because of the conservative assumptions used during the risk screening, some of the retained preliminary COPECs may not actually present any risk. Preliminary COPECs with recalculated HQs less than 1.0 can then be eliminated from further evaluation.

4.5.1 Refinements to the Exposure and Effects Assumptions

The refinements of the conservative exposure and effects assumptions are described below.

Point-by-Point Exceedance Evaluation

In the initial site-wide evaluation, the maximum site-wide concentrations in site media were evaluated against low SEVs. This approach serves to eliminate those chemicals that clearly do not present risks, but does not address specific areas or the nature of potential risks associated with retained analytes. In the refined screen, a point-by point evaluation of concentrations of retained analytes was conducted for each area at the site. Each sample result was compared to a low SEV (for aqueous media and sediment) and also a high SEV (for sediment only). The point-by-point analysis was completed for aquatic organisms and benthic invertebrates at each of the areas for which there were sediment, surface water, or groundwater samples analyzed. All exposure estimates in the refined assessment were compared to both the low and high SEVs, and HQs were calculated for both comparisons. Depending on the screening value(s) exceeded, each exposure estimate was grouped into one of the following three HQ categories:

HQ_{low}<1: no adverse effect

HQ_{low}>1> HQ_{high}: possible adverse effect

HQ_{high}>1: probable adverse effect

SEVs for probable adverse effects (high SEVs) were considered in this refined risk analysis for benthic invertebrate biota. These high SEVs represent an upper bound for the sediment concentrations where adverse effects are probable, and below which adverse effects are possible. Low and high SEVs for sediment biota were predominantly based on the threshold effects concentrations (TECs; concentrations below which effects are considered unlikely) and probable effects concentrations (PECs; concentrations above which adverse effects are likely) from MacDonald et al. (2000), respectively. Consensus-based PECs are derived from sediments that are heavily polluted, and above which adverse effects on the majority of sediment dwelling organisms are expected to occur frequently. These SEVs are generally

good predictors of the likelihood of no-effects or adverse effects. Consensus, based TECs for sediment correctly predicated toxicity from 34.3 percent of samples for mercury (n=79) to 88.9 percent of samples for total PCBs (n=120), while PECs for sediment correctly predicted samples to be toxic in 77 percent of samples for arsenic (n=150) to 100 percent of samples for mercury (n=100) for metals, PAHs, and PCBs. Thus, there is confidence that these SEVs predict the potential for adverse effects except for the low SEV for mercury, where there is uncertainty. There is also uncertain risk when the exposure concentration falls between high and low SEVs for benthic invertebrates. In this situation, the potential for risks could not be excluded but is not considered likely.

A commonly used threshold for determining if a risk affects a population is 80 percent. If 80 percent or more of a population is not affected, then the risk is not considered biologically significant (Suter et al., 2000). COPECs in exposure media were evaluated as to whether the frequency of exceedance was less than 20 percent. Assuming that the total samples provided an adequate spatial representation of each CPCPRC area, it was assumed that adverse effects to the assessment endpoint were not significant if fewer than 20 percent of water or sediment samples exceeded the low SEV. Accordingly, preliminary COPECs for benthic organisms were grouped into three categories. The potential for risk 1) could be excluded for preliminary COPECs where fewer than 20 percent of samples exceed the low SEV; 2) was uncertain and could not be excluded when greater than 20 percent of samples (detected or non-detected) exceed the low SEV, but where high SEVs are not available, only non-detected values exceed the low or high SEVs, and fewer than 20 percent of samples exceed the high SEV; and 3) could not be excluded when greater than 20 percent of samples exceed the high SEV.

Distinctions between analytes that were below detection limits and those that were detected further helped to characterize the uncertainty in the available data. The exceedance frequency, number detected, magnitude of exceedances, and area-specific analysis were also used together to refine the risk estimates for analytes determined to pose a potential for risk to aquatic organisms or benthic invertebrates after the initial site-wide assessment. SEV exceedances for total PAHs (inverts) were considered to occur in detected samples when at least one analyte comprising the concentration was detected.

Exposure Point Concentrations

The refined EPCs used for aquatic organisms in the Caribbean Sea were based on groundwater concentrations adjusted for dilution by marine water. The use of a dilution factor considers the realistic exposure of aquatic organisms and avian wildlife to groundwater contaminants upwelling into marine waters. A dilution factor of 0.027 was applied to groundwater EPCs to determine the exposure concentration of each COPEC in marine water. Calculations and assumptions for the dilution of groundwater entering the Caribbean Sea are presented in Appendix D. For these trophic guilds, it was conservatively assumed that chemicals in sampled media are 100-percent bioavailable and that they remain at a steady concentration (i.e., decomposition rates were not considered).

Maximum, site-wide concentrations were used as the EPCs in the initial evaluation for avian receptors. However, birds are mobile organisms and it is over-protective to consider that they are exposed to the maximum detected concentrations at all times. In addition, each area of the site provides a different set of potential exposures. Therefore, the EPCs were refined

to the lesser of the maximum detected concentration or the 95-percent UCL for each analyte (described in Section 3.3.4) within each area of the site. This refinement provides a more realistic estimate of COPEC exposures to wildlife. Summary statistics for each area in the CPCPRC site are provided in Table 4-13.

Lowest Observed Adverse Effect Levels

In the initial evaluation, no-effect levels were conservatively assumed as the endpoint for avian wildlife HQ calculations. No-effect levels do not clearly indicate the lowest level of exposure at which effects are evident and, therefore, do not necessarily indicate that risks are present or impacts are occurring. In this refined evaluation, LOAEL endpoints were identified or derived for wildlife for all COPECs where available. LOAEL-based SEVs for upper trophic-level wildlife are presented in Table 4-7.

Area Use Factors

In the initial assessment, it was conservatively assumed that the exposure area of the CPCPRC site was equal to the home range of each receptor. However, wildlife may forage over distances that exceed the exposure area offered by the site. Home range information for the great blue heron and black-necked stilt were evaluated against each area of potential exposure in the refined exposure analysis. The home range for a great blue heron reportedly varies from 1.5 to 21 acres (EPA, 1993), while black-necked stilts range over 25 to 250 acres (J.P. Skorupa, USFWS personal communication with H. Ohlendorf, October 15, 1997). The lower limit of the heron home range was compared against the areas of each potential exposure location at the CPCPRC site (AES = 1.15 acres[3]; Beach >1.5 acres[4]; Effluent Channel = 0.83 acres[5]; and Holding Pond = 0.71 acres) as a conservative measure of the potential for use at these locations. The resulting ratio of site area to home range area for each receptor was used to determine the proportion of diet and media exposure that would be derived from each area of concern. The lower limit of the black-necked stilt home range is much greater than other wading bird species observed on the site and may not provide a conservative measure of exposure protective of all insectivorous bird species. Therefore, the feeding home range for the lesser yellowlegs in over-wintering habitat (0.25 acres) was used as a conservative measure of the black-necked stilt home range. Consequently, a refined AUF of one was used for the AUF component of the exposure equation for the black-necked stilt.

Bioaccumulation Factors

Bioaccumulation models for retained COPEC metals were based on log-linear regression models for all metals except iron. The BAF regression models used to estimate the concentration of COPECs in prey were updated to be based on the refined EPCs instead of maximum detected concentrations (Table 4-13). Iron was the only retained metal for which the 90th percentile uptake factor was replaced with the more ecologically relevant median uptake factor (0.036) in the refined wildlife exposure analysis (Table 4-8). BAFs for organic

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[3] AES area estimated as 500 ft x 1000 ft x 2.3×10^{-5} acres/ft^2.

[4] There was no need to accurately calculate the total area or Beach habitat as it was determined to be greater than the home range of a great blue heron, and AUF = 1.0. Only aqueous media was available and relevant for evaluation; therefore, potential risk to the black-necked stilt was not assessed.

[5] Channel area estimated as 20 ft x 1800 ft x 2.3×10^{-5} acres/ft^2.

COPECs were calculated based on log Kow equations and remained the same as in the initial assessment.

4.5.2 Refined Risk Characterization

The refined risk characterizations for all COPECs retained for each area are described below.

Marine Aquatic Organisms

Data for refined evaluation of risks to marine aquatic organisms were available from the Beach Area. Detailed point-by-point comparison for the refined site-wide risk evaluation of marine aquatic organisms based on scenarios for both diluted and undiluted groundwater from the Beach Area is presented in Table 4-14. A summary of these comparisons is presented in Table 4-15. If it is assumed that no dilution of groundwater occurs (an unlikely scenario), all 45 analytes have concentrations that exceed the low SEV in 208 of 337 samples (62 percent). It is important to note that most of these exceedances were due to non-detects.

Marine aquatic organisms are unlikely to be directly exposed to undiluted groundwater however. Rather, when groundwater intersects the marine environment at the Beach, it will become mixed with and diluted by seawater. Assuming a dilution factor of 0.027 (see Appendix D), the number and frequency of analytes exceeding SEVs are reduced dramatically (Table 4-15). Only one of eight retained metals (barium) had diluted concentrations that exceeded the SEV; the SEV for barium was exceeded in six of seven samples, with a maximum HQ of 7.0. Among retained organic compounds, six of 31 analytes (anthracene, benzo[a]anthracene, benzo[a]pyrene, chrysene, dibenz[a,h]anthracene, and hexachlorobutadiene) had diluted concentrations that exceeded the SEV, with HQs ranging from 5.1 (hexachlorobutadiene) to 19 (benzo[a]pyrene, chrysene, and dibenz[a,h]anthracene). Although the potential exists for adverse effects to aquatic marine life from chronic exposures to these COPECs, it should be noted that concentrations for each of these organics were below their detection limit. Consequently, a definitive conclusion concerning the presence or absence of risks from these six analytes could not be made, and they are retained as uncertainties.

Exceedances of SEVs were observed for diluted concentrations of three of six retained general chemistry parameters (total nitrogen, total phosphorus, and phosphorus). These exceedances were low for total nitrogen and for total phosphorus where maximum HQs were 1.0 and 7.3, respectively. SEV exceedances for phosphorus also occurred in all three samples with a maximum HQ of 513. The potential for risk to aquatic marine life from chronic exposures to these COPECs could not be excluded because these SEV exceedances were based on detected values and occur at a high frequency. However, confidence in this risk conclusion is limited by the very small samples sizes (n=1 to 5), which may not adequately represent the site.

The conclusions drawn from this analysis are that marine aquatic organisms may be adversely affected in the unlikely event that they are directly exposed to undiluted groundwater. The potential for risk to marine aquatic organisms from chronic exposures to four COPECs (barium, total nitrogen, total phosphorus, and phosphorus) could not be excluded. However, a small sample size increases the uncertainty and limits the strength of this conclusion of potential risk.

Freshwater Aquatic Organisms

Detailed point-by-point comparison for the refined site-wide risk evaluation of freshwater aquatic organisms is presented for each of the three exposure areas in Table 4-16. This refined evaluation is summarized in Table 4-17. Due to the large size of Table 4-16, it has been included on the attached CD.

AES Area

Surface water data for the AES Area were limited, with only a single sample available. The degree to which this sample represents spatial variability of COPECs in this area is unknown. Metals, although analyzed, were evaluated as totals, not dissolved. Thus, total metal concentrations were screened against total metals criteria at the AES Area. Screening total metals adds uncertainty to the evaluation of potential risks to aquatic receptors because dissolved metals more closely represent the bioavailable fraction of metals in surface water.

Six of 11 retained metals concentrations (antimony, cobalt, iron, lead, nickel, and vanadium) in samples from the AES Area were below chronic NAWQC SEVs for total metals and were determined to not pose a potential risk to aquatic organisms at the site. Non-detected concentrations of beryllium, cadmium, and selenium exceeded their respective SEVs, all with HQs less than 10. Consequently, a definitive conclusion concerning the presence or absence of risks from these six analytes could not be made and they were retained as uncertainties. Detected concentrations of manganese (HQ_{max}=5.6) and barium (HQ_{max}=190) also exceeded their SEVs for aquatic life.

Although concentrations of all 66 retained organic analytes were below detection limits, SEVs were exceeded by 31 analytes, indicating insufficiently low detection limits for organics. Maximum HQs for these retained COPECs ranged from 1.1 (benzo[b]fluoranthene, benzo[k]fluoranthene, and 1,4-dichlorobenzene) to 25,000 (hexachlorobenzene), with 19 of these HQs less than 10. Because actual concentrations of organic analytes that exceeded SEVs are unknown, associated risks are uncertain, but could not be excluded.

Concentrations of four of five general chemistry parameters (alkalinity, chloride, nitrite, and TKN) measured in the AES sample exceeded SEVs. Only one of these exceedances (nitrite) was due to a non-detect.

Development of an overall risk conclusion for freshwater aquatic organisms in the AES Area is hindered by uncertainty due to the limited sample size (only one sample) and insufficiently low detection limits. Available data indicate the potential for risks due to two metals (barium and manganese) and three general chemistry parameters (alkalinity, chloride, and TKN). However, risks to aquatic organisms due to beryllium, cadmium, selenium, nitrite, and 31 organics are driven by non-detected concentrations and, therefore, are highly uncertain. It is important to note that field investigation results demonstrated that contaminated groundwater does not discharge to the surface at AES; thus, any contamination in this ditch (which actually conveys stormwater around the AES site) is not related to CPCPRC operations.

Holding Pond

Data for retained analytes from the Holding Pond consisted of three samples in which concentrations of 12 dissolved metals, five PCBs, 16 PAHs, 34 SVOCs, 18 VOCs, and seven general chemistry parameters were measured (Table 4-17).

Eight of 12 retained metals measured in samples from the Holding Pond were below SEVs in all samples. Non-detected concentrations of silver (HQ_{max}=1.9) and beryllium (HQ_{max}=7.1) exceeded their SEVs in all three samples. Detected concentrations of vanadium (HQ_{max}=9.3) and barium (HQ_{ma}=134) exceeded their SEVs in all three samples.

Fifty-four of the 73 retained organic analytes measured in samples from the Holding Pond were below SEVs in all samples. Non-detected concentrations of 19 organic analytes exceeded their SEVs in all three samples. These were retained as uncertainties due to the unknown potential for adverse effects from concentrations below detection limits. Only one organic, bis(2-ethylhexyl)phthalate, had a single detected concentration (HQ_{max}=60), in addition to two non-detected concentrations that exceeded the SEV.

Among general chemistry parameters, three of six were below SEVs in all samples. Detected alkalinity (HQ_{max}=4.8), TKN –nitrogen (HQ_{max}=4.8), and total phosphorus (HQ_{max}=3.9) exceeded their SEVs in all three samples.

The conclusion drawn from these data is that the potential for risks to aquatic organisms at the Holding Pond could not be excluded for two metals (barium and vanadium), bis(2-ethylhexyl)phthalate, and three general parameters (alkalinity, TKN, and total phosphorus). The potential for risks from non-detected beryllium, silver, four PCBs (Aroclor-1016, Aroclor-1242, Aroclor-1248, and Aroclor-1254), and 19 additional organic COPECs are not excluded, but are retained as uncertainties. There is also significant uncertainty about these conclusions due to a small sample size that may not adequately represent the Holding Pond.

Effluent Channel

Data for retained analytes from the Effluent Channel Area consisted of eight to 45 samples in which concentrations of 12 dissolved metals, five PCBs, 16 PAHs, 34 SVOCs, 18 VOCs, and seven general chemistry parameters were measured (Table 4-17).

None of 12 retained metals measured in samples from the Channel Area was below SEVs in all samples. However, seven (antimony, beryllium, cadmium, cobalt, lead, silver, and thallium) were below detection limits in all samples and had only non-detected concentrations that exceeded SEVs in some samples. Greater than 20 percent of samples exceeded the SEV for all metals except for lead. Detected concentrations of dissolved barium (HQ_{max}=183), iron (HQ_{max}=9.0), manganese (HQ_{max}=21), nickel (HQ_{max}=7.9), and vanadium (HQ_{max}=40) also exceeded their respective SEVs in at least 20 percent of the samples. Thus, the potential for risk to aquatic organisms at the Effluent Channel from chronic exposure to all metals except for lead could not be excluded, although there is significant uncertainty for those six metals where conclusions of potential risk were due to non-detected concentrations.

None of the 73 retained organic analytes measured in samples from the Channel Area, except for o-xylene, was below SEVs in all samples. Only the non-detected concentrations of 67 organic analytes exceeded their SEVs in at least some of the samples, and were retained as uncertainties The remaining five organic analytes (bis[2-ethylhexyl]phthalate, benzene,

carbon disulfide, toluene, and total xylenes) had detected concentrations that exceeded SEVs, and maximum HQs ranged from 3.2 (benzene) to 333 (bis[2-ethylhexyl]phthalate. However, benzene, toluene (HQ_{max}=5.1), and total xylenes (HQ_{max}=4.7) exceeded SEVs in less than 20 percent of samples, ranging from 2 percent for benzene, n=42) to 7 percent (toluene and total xylene, n=45) These three detected organics are unlikely to pose a risk to aquatic organisms at the Effluent Channel due to infrequent exceedances of low magnitude.

Among general chemistry parameters, none was below SEVs in all samples. Detected alkalinity, ammonia, chloride, nitrate, nitrite, TKN, and total suspended solids all exceeded their SEV in greater than 20 percent of samples. Maximum HQs for these exceedances ranged from 2.2 (chloride) to 1,587 (ammonia); thus, none of these general chemistry parameters could be excluded from posing a potential risk to aquatic organisms chronically exposed to waters of the Effluent Channel.

The conclusion drawn from these data is that the potential for risks to freshwater aquatic organisms in the Effluent Channel Area could not be excluded. Detected concentrations of five metals (barium, iron, manganese, nickel, and vanadium), two organics (bis[2-ethylhexyl]phthalate and carbon disulfide) and seven general chemistry parameters (alkalinity, ammonia, chloride, nitrate, nitrite, TKN, and total suspended solids) exceeded SEVs with high frequency (greater than 20 percent of samples). The potential for risk could also not be excluded for seven non-detected metals (antimony, beryllium, cadmium, cobalt, lead, silver, and thallium) and 67 non-detected organics that were retained as uncertainties.

Benthic Invertebrates

Detailed point-by-point comparisons for the refined site-wide risk evaluation of benthic invertebrates are presented for each of the three areas (AES Area, Holding Pond, and Channel Area) in Table 4-18. This refined evaluation is summarized in Table 4-19. Due to the large size of Table 4-18, it has been included on the attached CD.

AES Area

Data for retained analytes in sediments from the AES Area consisted of 20 samples (eight for antimony) in which concentrations of nine metals, 16 PAHs, 35 SVOCs, and 34 VOC parameters were measured (Table 4-19).

Six of the nine retained metals (antimony, chromium, lead, mercury, nickel, and zinc) measured in samples from the AES Area were below all SEVs in all samples. Thus, these metals were determined not to pose a potential for adverse effects to benthic invertebrates at the AES Area. Detected concentrations of cadmium and copper exceeded the low, but not the high, SEVs in 55 and 100 percent of samples, respectively. Maximum low SEV HQs from cadmium and copper were of low magnitude (2.1 and 3.4, respectively). Although high SEVs were never exceeded for either cadmium or copper, because a large proportion of samples exceeded the concentration below which adverse effects are unlikely, the potential for adverse effects to benthic invertebrates at the AES Area from cadmium and copper could not be definitively excluded and are, therefore, an uncertainty. Only one analyte, manganese (HQ_{max}=1,369), exceeded the high SEV in all 20 samples. Thus, the potential for adverse effects to benthic invertebrates in sediment could not be excluded for manganese.

A total of 32 of the 85 retained organic analytes measured in samples from the AES Area were below SEVs in all samples. Non-detected concentrations of all 16 PAHs (including

total PAHs), all 28 SVOCs, and seven VOCs exceeded their low SEVs in 25 to 100 percent of samples. The potential for adverse effects from these non-detected organic analytes could not be excluded and are retained as uncertainties. The absence of high SEVs for SVOCs precludes further defining the potential to produce effects.

Both 1,1-dichloroethane (one/20 exceedance, HQ_{max}=112) and acetone (11/20 exceedances, HQ_{max}=11) had detected concentrations that exceeded low SEVs. High SEVs were not available for either analyte. The low exceedance frequency and low magnitude (HQ=2.1) of the only detected concentration of 1,1-dichloroethane that exceeded the low SEV indicates that the potential for adverse effects is unlikely although uncertain. It is also uncertain whether acetone poses a risk to benthic invertebrates at the AES Area, but given that the maximum low SEV-based HQ for acetone was not high (11), and all other low SEV exceedances were near detection limits and not greater than 3, it was not considered likely.

The conclusion from these data is that 38 of 94 analytes retained in sediment present no risk to sediment biota in the AES Area because detected concentrations in fewer than 20 percent of samples exceeded the low SEV. The potential for risks could not be excluded for two metals (cadmium and copper) where low SEVs were exceeded at high frequency by detected concentrations, but is not considered likely because high SEVs were not exceeded. The potential for risk was also uncertain for 51 organics with non-detected concentrations that exceeded the low SEV, and no high SEV available for further comparison. An additional organic (1,1-dichloroethane) was retained as an uncertainty due to all samples exceeding the low SEV, only one of which was detected. Acetone was retained as an uncertainty because detected concentrations exceeded the low SEV, but the lack of a high SEV precluded additional evaluation; however, the low-magnitude HQs suggest that the potential for risk from acetone is low. Only one analyte, manganese, presents a potential for risk. This is because detected concentrations exceed the high SEV with high frequency (100 percent of samples).

Holding Pond

Data for retained analytes in sediments from the Holding Pond consisted of six samples in which concentrations of 10 metals, seven PCBs, 16 PAHs, 35 SVOCs, 32 VOCs, and one general chemistry parameter were measured (Table 4-19).

Three of the 10 retained metals measured in samples from the Holding Pond were below SEVs in all samples (antimony, lead, and silver) and were determined not to pose a potential for adverse effects to benthic invertebrates at the Holding Pond. Detected concentrations of cadmium, copper, and mercury exceeded the low, but not the high, SEVs in at least 33 percent of samples with maximum HQs ranging from 1.6 (copper) to 1.9 (mercury). The potential for risk from cadmium and copper is uncertain because low SEVs were exceeded with high frequency, but risks are considered unlikely because concentrations did not exceeded their respective high SEVs and the magnitude of HQs were low (1.7 and 1.6, respectively). The lack of exceedance of the high SEV for mercury and the relatively low magnitude of the maximum HQ (1.9) suggest the absence of risk. However, due to the uncertainty associated with the protectiveness of the low SEV, potential risks from mercury could not be excluded. The remaining four inorganic analytes (chromium, manganese, nickel, and zinc) had samples with concentrations that exceeded the high SEV. The frequency of high SEV exceedance ranged from 50 percent for chromium to 100 percent for manganese, and maximum HQs ranged from 2.2 (zinc) to 458 (manganese). Thus, the

potential for adverse effects to benthic invertebrates in sediment could not be excluded for these four analytes.

A total of 55 organic analytes measured in samples from the Holding Pond were below SEVs in all samples. Non-detected concentrations of seven PCBs exceeded their low, but not their high, SEVs in fewer than 20 percent of samples. These analytes were determined not to pose a potential for adverse effects to benthic invertebrates at the Holding Pond.

Non-detected concentrations of 10 SVOCs, two PAHs (anthracene and dibenz[a,h]anthracene), and six VOCs (1,1-dichloroethane, bromodichloromethane, bromomethane, chloroethane, chloromethane, and dibromochloromethane) exceeded their low SEVs in 67 to 100 percent of samples. The potential for risks is uncertain for these non-detected organics where low SEVs were exceeded, but is not considered likely because high SEVs were not exceeded when available (anthracene and dibenz[a,h]anthracene), and maximum low SEV HQs did not exceed 6.2.

Detected concentrations of one SVOC (bis[2-ethylhexyl]phthalate), six PAHs (benzo[a]pyrene, benzo[g,h,i]perylene, chrysene, indeno[1,2,3-cd]pyrene, phenanthrene, and total PAHs), and two VOCs (acetone and carbon disulfide) exceeded their low SEVs in greater than 20 percent of samples. The potential for risks is uncertain and could not be excluded for these non-detected organics where low SEVs were exceeded. Risks are not considered likely because high SEVs were not exceeded when available (PAHs), and maximum low SEV HQs did not exceed 3.4 (excluding acetone). Detected concentrations of acetone had a maximum low SEV HQ of 90, and potential for adverse effects could not be excluded.

Only one organic, fluorene, had measured concentrations that exceeded the high SEV (two of six, or 33 percent of samples), and a maximum high SEV-based HQ of 1.5. Potential risks to benthic invertebrates at the Holding Pond from fluorene could not be excluded.

The single general chemistry parameter, cyanide, although not detected in any sample, exceeded its low SEV in all samples with a maximum HQ of 2,500. A high SEV for cyanide was lacking, and the potential for adverse effects could not be excluded.

The conclusion from these data is that 65 of 101 analytes retained in sediment present no risk to sediment biota in the Holding Pond area, either because concentrations in all samples did not exceed the low SEV or low SEVs were exceeded in less than 20 percent of the samples. The potential for risks is uncertain for two metals (cadmium and copper), 11 SVOCs, eight PAHs, and eight VOCs where detected or non-detected concentrations exceeded the low SEV by at least 20 percent of the samples, and high SEVs were not exceeded when available. Despite this uncertainty, the low magnitude of low SEV exceedances for all except acetone indicates that the potential for adverse effects is unlikely. Mercury was retained as an uncertainty due to a non-conservative low screening value. Five analytes (chromium, manganese, nickel, zinc, and fluorene) present a potential for risks because detected concentrations exceeded the high SEVs with high frequency (greater than 33 percent of samples).

Effluent Channel

Data for retained analytes in sediments from the Effluent Channel Area consisted of as many as 56 samples in which concentrations of 10 metals, 7 PCBs, 16 PAHs, 35 SVOCs, 40 VOCs, and one general chemistry parameter were measured (Table 4-19).

None of the 10 retained metals measured in samples from the Effluent Channel was below SEVs in all samples. Only non-detected concentrations of antimony and silver exceeded their low SEVs. Greater than 20 percent of these silver samples exceeded the low SEV, and because a high SEV was lacking, the potential for risk could not be excluded, but is uncertain. Fewer than 20 percent of the non-detected antimony concentrations exceeded the low SEV; thus, it does not pose a potential for risk to benthic invertebrates in the Effluent Channel. Detected concentrations of cadmium, copper, lead, mercury, and zinc exceeded the low, but not the high, SEVs in all samples. Cadmium and lead exceedances occurred in fewer than 20 percent of samples and HQs were of low magnitude (5.1 and 2.7, respectively); thus, they are not considered to present risks. Fewer than 20 percent exceedance of the low SEV for mercury also suggests the absence of risk. However, due to the uncertainty associated with the protectiveness of the low SEV, potential risks from mercury could not be excluded. Greater than 20 percent of copper and zinc samples exceeded the low SEV, but not high SEVs; thus, risks are uncertain and could not be excluded. Three analytes (chromium, manganese, and nickel) had samples with concentrations that exceeded their high SEVs. Frequency of exceedances ranged from 21 percent for chromium to 100 percent for manganese, and maximum high SEV-based HQs ranging from 4.1 (nickel) to 1,896 (manganese). All three were identified as presenting potential risks.

Six of the seven PCBs measured in samples from the Effluent Channel were below SEVs in all samples. Detected concentrations of the remaining PCB (Aroclor 1248) exceeded the low SEV by a low magnitude (HQ_{max}=3.3) and low frequency (10 percent, n=20); thus, PCBs were not determined to pose a potential for risk to benthic invertebrates at the Effluent Channel.

Only one PAH (fluoranthene) had fewer than 20 percent of samples exceeding the low SEV and was excluded from posing a potential risk to benthic invertebrates at the Effluent Channel. Nine others had only non-detected concentrations that exceeded their low SEVs by greater than 20 percent of samples, with HQs ranging from 5.2 (acenapthene and acenaphthylene) to 30 (anthracene). The potential for risks from these PAHs is uncertain, but could not be excluded. Less than 14 percent of non-detected concentrations also exceeded high SEVs for each of the six of these PAHs that had high SEVs. The final six PAHs (benzo[a]pyrene, benzo[g,h,i]perylene, chrysene, dibenzo[a,h]anthracene, indeno[1,2,3-cd]pyrene, and total PAHs) exceeded their low SEVs by greater than 20 percent of non-detected samples, and also by fewer than 10 percent of detected samples. Maximum low SEV HQs ranged from 13 (chrysene) to 103 (dibenzo[a,h]anthracene). High SEVs were exceeded (HQs ranged from 1.2 to 4.1) by non-detected or detected concentrations for five of the PAHs that have high SEVs, although these exceedances accounted for only 2 percent of detected samples (benzo[g,h,i]perylene and indeno[1,2,3-cd]pyrene). Due to the dominance of non-detected values for PAHs, the potential for risks is uncertain, but could not be excluded.

Only two of 75 SVOCs and VOCs (trans-1,2-dichloroethene and trans-1,3-dichloropropane) did not exceed any SEVs. Of the 73 remaining SVOCs and VOCs, 14 SVOCs and 22 VOCs had low SEV exceedance frequencies of 17 percent or less, with detected values only exceeding low SEVs for benzene (4 percent), carbon disulfide (5 percent), and toluene (2 percent). Despite the absence of a high SEV, the low exceedance frequency suggests the absence of potential risks to benthic invertebrates. In contrast, 21 SVOCs and 16 VOCs had low SEV exceedance frequencies of 44 percent or greater. Except for acetone, 2-butanone, and bromodichloromethane, low SEV exceedances were driven by non-detected values. Only acetone had greater than 20 percent of samples exceeding the low SEV and a maximum HQ of 12,626. However, this maximum HQ was based on a non-detected value. The maximum HQ for a detected concentration of acetone was 48.5. Despite the preponderance of non-detected concentrations, exceedance frequencies greater than 20 percent preclude exclusion of these analytes as potential risk drivers, although the potential for risk remains uncertain.

The single general chemistry parameter, cyanide, although not detected in any sample, exceeded its low SEV in all samples with a maximum HQ of 2,500. Although there is much uncertainty related to risk conclusions based on non-detects, the potential for adverse effects could not be excluded for cyanide.

The conclusion from these data is that 50 of 109 analytes retained in sediment present no risk to sediment biota in the Effluent Channel Area, either because concentrations in all samples did not exceed the low SEV, or because the low SEV frequency of exceedance was less than 20 percent. Fifty-five analytes were retained as uncertainties because high SEVs were lacking and the low SEV frequency of exceedance for detected and non-detected concentrations was greater than 20 percent. Mercury was also retained as an uncertainty due to a non-conservative low screening value. Three analytes (chromium, manganese, and nickel) present a potential for risks. This is because detected concentrations exceeded the high SEV with high frequency (greater than 20 percent of samples).

Avian Wildlife

Refined exposure doses, based on a water-mediated pathway for herons and a water plus sediment mediated pathway for stilts, were compared to both NOAEL-based and LOAEL-based SEVs. EPCs considered in these calculations were refined to the lesser of the maximum detected concentration or the 95 percent UCL for each analyte (described in Section 3.3.4) within each area of the site. This refinement provides a more realistic estimate of COPEC exposures to wildlife. Summary statistics for each Area in the CPCPEC Site are provided in Table 4-13. Preliminary COPECs that did not exceed the LOAEL-based SEV could be excluded from posing a potential risk to receptors. This is because LOAEL-based SEVs represent the lower exposure level at which effects occur. Tables 4-20 through 4-23 present the refined HQs calculated for each of the two avian wildlife receptors foraging within each area at the CPCPRC site.

AES Area

Great Blue Heron. Refined exposure was based on the single water sample collected from the AES Area. Three of the four metals (thallium exposure data were lacking) retained from the initial heron assessment were measured in surface water from the AES Area (Table 4-20). Although cadmium and selenium continued to exceed the NOAEL-based SEV

in this refinement (HQ=13 and 1.1, respectively), only cadmium exceeded the LOAEL-based SEV for the great blue heron in the refined exposure estimate (HQ=3.5). It should be noted that only total (rather than dissolved) metal concentrations were available and were used to estimate heron exposure in the AES Area. Screening total metals adds uncertainty to risk analysis since only the dissolved fraction of aqueous metals is typically bioavailable; thus, risk estimates are likely more conservative when considering total metals than when screening dissolved metals. All metals analyzed in the refined heron exposure estimate were also below detection limits, adding uncertainty regarding risk conclusions.

Water concentrations for PCBs were lacking for the AES Area. Consequently, exposure of herons to PCBs in the AES Area could not be evaluated.

Individually, three of the 16 retained PAHs (benzo[a]anthracene, benzo[g,h,i]perylene, and benzo[k]fluoranthene) exceeded the NOAEL-based SEV in the refined assessment, although only benzo[g,h,i]perylene and benzo[k]fluoranthene exceeded their LOAELs (HQ=14 and 4.7, respectively). When considered in aggregate, the PAH HI exceeded one for both NOAEL and LOAEL-based effects; however, exposure calculations were based entirely on non-detected concentrations. Of the six additional retained organic COPECs, all but 1,2,3-trichlorobenzene had refined exposure estimates that exceeded the NOAEL-based SEV and four refined exposure estimates (butylbenzyl phthalate, di-n-butyl phthalate, di-n-octyl phthalate, and hexachlorobenzene) exceeded the LOAEL-based SEVs, ranging from 1.1 (di-n-butyl phthalate) to 8,660 (di-n-octyl phthalate). In all four cases, these exceedances were based on non-detected values. Two organics, 7,12-dimethyl(a)anthracene and 1,2,3-trichlorobenzene, were not measured at the AES Area, and are considered uncertainties.

Although the HI for PAHs, butylbenzyl phthalate, di-n-butyl phthalate, di-n-octyl phthalate, and hexachlorobenzene were the only retained organic COPECs to have an LOAEL-based HQ greater than one for herons, uncertainty associated with these estimates is great. The low PAH HI (1.1) was based entirely on non-detected concentrations and only marginally exceeded one, adding uncertainty to the conclusion of potential risk. LOAEL exceedances for the other organics were also based on concentrations below detection limits. The high HQs for phthalates are largely due to the high-log Kows driving very large estimated biotransfer factors (derived from the log Kow-based equation). Further, phthalate esters are rapidly degraded in the environment by photolysis and biodegradation (Staples et al., 1997). Biotransformation limits bioaccumulation of phthalate esters with increasing trophic level and general bioaccumulation models do not consider these chemical-specific variances. Therefore, it is likely that the log Kow BCF model grossly overestimates the BCF. Hexachlorobenzene (HCB) is a persistent organic pesticide that is ubiquitous in the environment (ATSDR, 2002) and it was not used in or likely to be produced by any of the site chemical processes. The LOAEL-based HQ for HCB only marginally exceeded one (1.01) and was based on a detection limit, further indicating that the conclusion for potential risk from HCB is marginal. In fact, HCB was not detected in any surface water (n=48), groundwater (n=8), or sediment sample (n=80). . For these reasons, phthalates and HCB were not considered to present a risk to herons at the AES Area.

The conclusion of this evaluation is that cadmium, selenium, individual PAHs (except 7,12-dimethylbenz[a]anthracene), and pentachlorophenol are not likely to present any risk to herons in the AES Area. Due to the absence of data, risks to herons from thallium, PCBs,

1,2,3-trichlorobenzene, and 7,12-dimethylbenz(a)anthracene were not analyzed and are considered uncertainties at the AES Area.

Black-Necked Stilts. Ten of the 11 metals (tin exposure data were lacking) retained from the initial stilt assessment were measured in surface water and sediment from the AES Area (Table 4-20). The refined exposure estimation indicates NOAEL-based HQs less than one for nine of these metals. The NOAEL-based HQ for iron exceeded one (HQ=128), in addition to the LOAEL-based HQ exceeding one (HQ=13); therefore, the potential for risk to the black-necked stilt could not be excluded for iron at the AES Area.

PCBs were retained as preliminary COPECs from the initial site-wide assessment, but were not measured in samples from the AES Area. Thus they are considered uncertainties for this area.

Three of the 17 measured PAHs (benzo[g,h,i]perylene, benzo[k]fluoranthene, and phenanthrene) produced exposure estimates that exceeded the NOAEL-based SEV in the refined assessment, although only benzo(g,h,i)perylene (HQ=40) and benzo(k)fluoranthene (HQ=15) exceeded their LOAEL-based SEVs. Consequently, the NOAEL and LOAEL HIs for PAHs also exceeded one (55). These estimates of potential risk were based on values below detection limits and have much uncertainty.

Of the 12 additional retained organic COPECs, only seven (bis[2-ethylhexyl]phthalate, butylbenzyl phthalate, diethylphthalate, di-n-butyl phthalate, di-n-octyl phthalate, hexachlorobenzene, and pentachlorophenol) had NOAEL-based HQs greater than one. Of these, bis[2-ethylhexyl]phthalate (NOAEL-based HQ=5,080) did not have a LOAEL-based SEV and there is uncertainty regarding the potential of this dose to cause effects to wildlife. Four of these COPECs also had LOAEL-based HQs that exceeded one: butylbenzyl phthalate (HQ=28), di-n-butyl phthalate (HQ=18), di-n-octyl phthalate (HQ=7,040), hexachlorobenzene (HQ=29), and pentachlorophenol (HQ=3.6). These high HQs were due to the same reasons as described above for phthalates (modeled BCF based on a high-log Kow; lack of consideration of metabolic loss, etc.) and HCB (not detected and unrelated to site chemical processes). Estimates of potential risk for these organics were also based on values below detection limits and have much uncertainty.

The conclusion of this evaluation is that the potential for risk to the black-necked stilt at the AES Area could not be excluded for iron. Given the small size of the site, movements of animals, and a shorter residence time for migrants than for non-migrants, the potential for adverse effects to this receptor class may be overestimated. Due to the absence of data, risks to stilts due to tin and PCBs are considered an uncertainty at the AES Area. The lack of a LOAEL for bis[2-ethylhexyl]phthalate and the excessive BCFs for phthalates and hexachlorobenzene are additional uncertainties.

Holding Pond

Great Blue Heron. Three of the four metals retained from the great blue heron initial assessment were measured in the Holding Pond (Table 4-21). Neither cadmium, mercury, nor selenium exceeded their respective NOAEL-based SEV for the great blue heron in the refined exposure estimate; thus, they were determined to not pose a potential risk to piscivorous birds at the Holding Pond. Thallium was not measured at the Holding Pond, and is considered an uncertainty at this area.

Estimated exposure to each of the seven individual PCBs exceeded their NOAEL-based SEVs for the refined heron assessment, and five (Aroclor-1221, Aroclor-1232, Aroclor-1248, Aroclor-1254, and Aroclor-1260) exceeded their respective LOAEL-based SEVs. Consequently, the LOAEL-based HI for PCBs exceeded one (10). Although this HI suggests the presence of risk, because all PCBs in water from the Holding Pond were below detection, risks were considered unlikely.

Individually, three of the 17 retained PAHs (7,12-dimenthlbenz[a]anthracene, benzo[g,h,i]perylene, and benzo[k]fluoranthene) exceeded their NOAEL-based SEVs in the refined assessment, although only benzo[g,h,i]perylene exceeded the LOAEL (HQ=1.3). When considered in aggregate, the PAH HI exceeded one for both NOAEL and LOAEL-based effects (LOAEL-based PAH HI=2.8); however, exposure calculations were based entirely on non-detected concentrations and there is much uncertainty with any conclusion of risk.

Of the six additional retained organics, only three (butylbenzyl phthalate, di-n-octyl phthalate, and hexachlorobenzene) had NOAEL-based HQs greater than one, and these were based on non-detected concentrations. The only LOAEL-based HQ to exceed one was for di-n-octyl phthalate (HQ=1,070). Further evaluation of the basis for this conclusion identified rapid environmental degradation, biotransformation, and inappropriate bioaccumulation modeling (Staples et al., 1997) as contributing factors to uncertainty, indicating that phthalate esters are not likely to pose a risk to great blue herons at the Holding Pond.

The conclusion of this evaluation is that cadmium, mercury, selenium, PCBs, and organic COPECs are not likely to present any risk to herons in the Holding Pond. Due to the absence of data, risks to herons from thallium and 1,2,3-trichlorobenzene are considered uncertainties in the Holding Pond.

Black-Necked Stilts. Ten of the 11 metals (tin data were lacking) retained from the initial stilt assessment were measured in surface water and sediment from the Holding Pond (Table 4-21). The refined exposure estimation indicates NOAEL-based HQs exceeded one for five of these metals with available data (cadmium, chromium, iron, lead, and zinc). LOAEL-based HQs exceeded one for chromium (3.4) and iron (5.6), based on detected concentrations in sediment, and could not be excluded from posing a potential risk to stilts at the Holding Pond.

PCBs were not found at concentrations above detection limits in samples from the Holding Pond, and none exceeded the NOAEL-based SEVs. The PCB HI was also less than one and this class of chemicals was determined to not pose a potential for risk to stilts at the Holding Pond.

Only four of 17 measured PAHs (7,12-dimenthlbenz[a]anthracene, benzo[g,h,i]perylene, benzo[k]fluoranthene, and phenanthrene) exceeded their NOAEL-based SEVs in the refined assessment. Non-detected concentrations of both 7,12-dimenthlbenz[a]anthracene (HQ=1.6) and benzo[k]fluoranthene (HQ=2.6) exceeded their LOAEL-based SEVs. Benzo(g,h,i)perylene also exceeded the LOAEL-based SEV (HQ=41), with detected concentrations in sediment. Consequently, the PAH HIs exceeding one (45) and PAHs could not be excluded from posing a potential for risk to stilts at the Holding Pond.

Of the 12 additional retained organic COPECs, only five (bis[2-ethylhexyl]phthalate, butylbenzyl phthalate, di-n-butyl phthalate, di-n-octyl phthalate, and hexachlorobenzene) had NOAEL-based HQs greater than one. Of these, bis(2-ethylhexyl)phthalate (NOAEL-based HQ=1,540) did not have a LOAEL-based SEV and there is uncertainty regarding the potential of this dose to cause effects to wildlife. Four of these COPECs also had LOAEL-based HQs that exceeded one: butylbenzyl phthalate (HQ=5.2), di-n-butyl phthalate (HQ=3.4), di-n-octyl phthalate (HQ=74,000), and hexachlorobenzene (HQ=4.7). All of the organic COPECs exposures except bis[2-ethylhexyl]phthalate were based on non-detected values and there is great uncertainty in using a single maximum non-detected concentration as the basis for determining exposure and potential risk. High HQs for phthalates were due to the same reasons as described above (modeled BCF based on a high-log Kow; lack of consideration of metabolic loss, environmental degradation, etc.), and the low-magnitude exceedance for HCB based on a non-detected concentration indicates that it is unlikely that these COPECs pose a risk to black-necked stilts at the Holding Pond.

The conclusion of this evaluation is that the potential for risk to the black-necked stilt at the Holding Pond could not be excluded for chromium, iron, benzo(g,h,i)perylene, and total PAHs. Risks due to total PAHs are uncertain due to non-detected values of most individual compounds and are driven by one COPEC, benzo(g,h,i)perylene. Due to the absence of data, risk to stilts due to tin is considered an uncertainty at the Holding Pond. The lack of a LOAEL for bis[2-ethylhexyl]phthalate, concentrations below detection limits and the excessive BCFs for phthalates are additional uncertainties.

Effluent Channel Area

Great Blue Heron. All four preliminary metal COPECs for the great blue heron (cadmium, mercury, selenium, and thallium) were measured at the Effluent Channel Area. Comparison of refined exposure estimates for the four analytes indicated that NOAEL- and LOAEL-based SEVs were exceeded by cadmium, selenium, and thallium (Table 4-22). HQs were low and ranged from 1.1 (selenium) to 3.5 (thallium). Risks from thallium and cadmium are uncertain due to their basis on non-detected values. The exceedance of the LOAEL-based SEV for selenium was low (HQ=1.1), but was based on detected values and could not be excluded.

Evaluation of the refined PCB exposure estimates for herons indicates that NOAEL-based SEVs were exceeded for all seven retained PCBs, LOAEL-based SEVs are exceeded for five PCBs, ranging from 3.6 for Aroclor-1248 to 18 for Aroclor-1254, and the LOAEL-based HI exceeds one. Although these results suggest the presence of risks, they are based solely on non-detected PCB concentrations in water. Consequently, the presence of PCB risks is considered an uncertainty.

Among PAHs, exposure to five (7,12-dimenthlbenz[a]anthracene, benzo[a]anthracene, benzo[g,h,i]perylene, benzo[k]fluoranthene, and phenanthrene) of the 17 measured PAHs exceeded the NOAEL-based SEV in the refined assessment. LOAEL-based HQs were also exceeded by benzo[a]anthracene (HQ=3.1), benzo[g,h,i]perylene (HQ=99), and benzo[k]fluoranthene (HQ=34)and were based on non-detected concentrations. The LOAEL-based HI for PAHs also exceed one (138) and was driven by these three PAHs; however, because all PAHs were below detection limits, it is considered uncertain whether PAHs pose a potential risk to herons or related receptors at the Channel Area.

Five of the six additional retained organic COPECs (butylbenzyl phthalate, di-n-butyl phthalate, di-n-octyl phthalate, hexachlorobenzene, and pentachlorophenol) had NOEAL-based HQs exceeding one. Although only di-n-octyl phthalate and hexachlorobenzene also had LOAEL-based HQs greater than one (62,500 and 29, respectively), these exposure estimates were based on non-detected concentrations. The fact that these exceedances were based on non-detected concentrations and that neither chemical was detected in any media sampled at the CPCPRC site supports the conclusion that it is unlikely for these COPECs to pose a risk to avian receptors. As has been stated previously, rapid environmental degradation, biotransformation, and uncertain bioaccumulation modeling (Staples et al., 1997) also suggest that phthalate esters are not likely to pose a risk to great blue herons at the Effluent Channel. Concentrations of 1,2,3-trichlorobenzene were not determined in water samples at the Effluent Channel Area, and the potential for risk to the heron is considered an uncertainty.

The conclusion of this evaluation is that the potential for risk to herons from selenium could not be excluded and cadmium, mercury, thallium, PCBs, and organic COPECs are not likely to present any risk to herons in the Effluent Channel.

Black-Necked Stilts. Of the 11 metals retained from the initial stilt assessment, three of these (chromium, iron, and tin) had NOAEL-based SEVs greater than one in the refined assessment (Table 4-22). Only chromium and iron exceeded their LOAEL-based SEVs (1.3 and 8.2, respectively) based on detected concentrations. Thus, chromium and iron could not be excluded from posing a potential risk to aquatic insectivorous birds at the Effluent Channel.

Concentrations of PCBs in sediment were below detection limits for five of the seven congeners, and for all seven congeners in water samples from the Effluent Channel. None of the NOAEL-based SEVs for PCBs was exceeded and the PCB HI was also less than one; thus, this class of chemicals was determined to not pose a potential for risk to stilts at the Effluent Channel.

Five of the 17 measured PAHs (7,12-dimenthlbenz[a]anthracene, anthracene, benzo[g,h,i]perylene, benzo[k]fluoranthene, and phenanthrene) produced exposure estimates that exceeded the NOAEL-based SEV in the refined assessment, although only three of these exceeded their LOAEL-SEVs. Non-detected concentrations of both 7,12-dimenthlbenz[a]anthracene (HQ=1.6) and benzo[k]fluoranthene (HQ=71) exceeded their LOAEL-based SEVs. Benzo(g,h,i)perylene also exceeded the LOAEL-based SEV (HQ=144), with detected concentrations in sediment. Consequently, the NOAEL (1,090) and LOAEL HIs (218) for PAHs also exceed one and were driven by the three individual PAH exceedances. These estimates of potential risk were based on values below detection limits for all except benzo(g,h,i)perylene, and have much uncertainty.

Of the 12 additional retained organic COPECs, there were 11 (1,2,4-trichlorobenzene, bis[2-ethylhexyl]phthalate, butylbenzyl phthalate, diethylphthalate, dimethylphthalate, di-n-butyl phthalate, di-n-octyl phthalate, hexachlorobenzene, pentachlorophenol, benzene, and ethylbenzene) that exceeded the respective NOAEL-based SEVs. Seven of these COPECs also had LOAEL-based HQs that exceeded one: 1,2,4-trichlorobenzene (HQ=1.6), butylbenzyl phthalate (HQ=134), diethylphthalate (HQ=1.3), di-n-butyl phthalate (HQ=8.2), di-n-octyl phthalate (HQ=2,530,000), hexachlorobenzene (HQ=137), and pentachlorophenol

(HQ=7.4). In addition, bis[2-ethylhexyl]phthalate (NOAEL-based HQ=24,200), benzene (NOAEL-based HQ=3.4), and ethylbenzene (NOAEL-based HQ=1.3) did not have a LOAEL-based SEV. Consequently, there is considerable uncertainty regarding risks from these analytes

There is significant uncertainty concerning exposure estimates that exceeded LOAEL-based SEVs for the additional retained organic COPECs, and the potential of these doses to affect wildlife. For example, exposure estimates for 1,2,4-trichlorobenzene, diethylphthalate, di-n-octyl phthalate, hexachlorobenzene, and pentachlorophenol were based on non-detected concentrations in water and sediment, and thus, are uncertainties. Each of these chemicals was not detected in any surface water (n = 48), groundwater (n = 8), or sediment sample (n = 80). Further, the LOAEL-based HQs for 1,2,4-trichlorobenzene, diethyl phthalate, di-n-butyl phthalate, and pentachlorophenol were low. Rapid environmental degradation, biotransformation, and inappropriate bioaccumulation modeling (Staples et al., 1997) indicate that phthalate esters are not likely to pose a risk to black-necked stilts at the Effluent Channel. In aggregate, although the potential for adverse effects could not be definitively excluded, the multiple significant uncertainties suggest that the likelihood of adverse effects is low.

The conclusion of this evaluation is that the potential for risk to the black-necked stilt at the Effluent Channel could not be excluded for chromium, iron, benzo(g,h,i)perylene, and total PAHs. Potential risks due to other organics were largely based on non-detects or spurious BCFs and are considered uncertainties. The lack of LOAELs for bis[2-ethylhexyl]phthalate, benzene, and ethylbenzene are additional uncertainties.

Beach Area

Great Blue Heron. Three of the four metals retained from the initial heron assessment were measured in the Beach Area (Table 4-23). Neither cadmium, mercury, nor selenium exceeded the NOAEL-based SEV; thus, these metals were determined to not pose a potential risk to piscivorous birds at the Beach Area. PCBs were not analyzed at the Beach Area despite being identified as preliminary COPECs, and are considered uncertainties here. All 17 measured PAH concentrations were below detection limits in samples from the Beach Area and only benzo(g,h,i)perylene exceeded the NOAEL-based SEV in the refined assessment (HQ=2.4). This compound did not exceed the LOAEL-based HQ, nor did the LOAEL-based PAH HI exceed one. Therefore, PAHs were determined to not pose a potential risk to avian piscivores at the Beach. Of the six additional retained organic COPECs, only di-n-octyl phthalate had a NOAEL-based HQ greater than one (1,500) and a LOAEL-based HQ that also exceeded one (301). However, di-n-octyl phthalate was not detected in any sample from the Beach Area, nor was it detected in any surface water (n = 48), groundwater (n = 8), or sediment sample (n = 80) . Further, rapid environmental degradation, biotransformation, and inappropriate bioaccumulation modeling (Staples et al., 1997) indicate that phthalate esters are not likely to pose a risk to great blue herons at the Beach. Thallium and PCBs were not measured at the Beach, despite being retained as preliminary COPECs from the initial site-wide assessment, and are considered uncertainties here.

4.5.3 Special-Status Species

Threatened and endangered species that may be present at areas of the CPCPRC facility are the hawksbill sea turtle, brown pelican, and roseate tern. All three species could be exposed to COPECs via ingested prey and water media at the Beach area, while the pelican and tern (piscivores) could be potentially exposed at the Holding Pond. The potential for adverse effects from COPECs at these areas is evaluated based on NOAEL-based HQs.

Wildlife receptors at the Beach could be exposed to COPECs through diluted groundwater in the Caribbean Sea. Two analytes, di-n-octyl phthalate and benzo(g,h,i)perylene, were identified as potential risk drivers at this area, with NOAEL-based HQs exceeding one (1,500 and 2.4, respectively) for avian piscivores. However, risks were not considered likely for several reasons. Both risk estimates were driven by non-detected concentrations; there is uncertainty extrapolating groundwater concentrations to seawater concentrations; and a conservative area use factor of 1 was used to model exposure.

The magnitude of the NOAEL exceedance was low for benzo(g,h,i)perylene and the LOAEL SEV was not exceeded; thus, the potential for effects is uncertain. When considering the potential additive effects from all PAHs, the magnitude of the NOAEL HI is also low (3.5) and the LOAEL HI does not exceed one for PAHs. In the case of di-n-octyl phthalate, there is significant uncertainty associated with the modeled BCF (Staples et al., 1997); the compound is prone to environmental degradation; and biotransformation likely further reduces exposure.

There is also high uncertainty when considering the potential for exposure to the hawksbill sea turtle, whose diet is primarily sponges. As a colonial, single-celled animal, sponges are not expected to accumulate COPECs as much as more complex higher taxonomic-level organisms (e.g., fish). Additional uncertainty exists because little is known about the presence or distribution of sponges at the Beach Area. The conservative exposure estimate further overestimates the potential for risk to species that do not reside and feed exclusively in this area. Due to poor habitat at the Beach for these special-status species, they are only likely to reside there to a much more limited extent than the other wildlife receptors evaluated. The brown pelican may use the Beach for loafing and drying out, but is unlikely to reside there. The roseate tern may occur during the breeding season, but they generally do not nest on large islands and, therefore, would be unlikely to prefer this area to known breeding grounds on Culebra Island, 20 miles northeast of Puerto Rico. Taken together, these considerations suggest that the potential for risks to the pelican from COPECs at the Beach is unlikely, and risks to the hawksbill sea turtle are uncertain.

Several COPECs (all individual PCBs, the PCB HI, 7,12-dimethylbenz(a)anthracene, benzo(g,h,i)perylene, Benzo(k)fluoranthene, the PAH HI, butylbenzyl phthalate, di-n-octyl phthalate, and hexachlorobenzene) were identified as having the potential for adverse effects to avian piscivores at the Holding Pond based on exceedances of NOAEL SEVs. Although the NOAEL-based PCB HI (143) suggests a potential for risk, risks are uncertain because all PCBs in water from the Holding Pond were below detection. Exposure estimates for PAHs were also based on non-detected concentrations, where no PAH was detected in 48 surface water samples. As a consequence, the potential for adverse effects to the roseate tern and brown pelican from PCBs or PAHs is considered unlikely. NOAEL-based risk estimates for butylbenzyl phthalate (HQ=1.3), di-n-octyl phthalate (HQ=5,350), and

hexachlorobenzene (HQ=1.7) were also driven by non-detected concentrations and there is significant uncertainty associated with the modeled BCFs in addition to potential metabolism of these phthalate compounds. The conservative exposure estimate further overestimates the potential for risk to species that do not reside and feed exclusively in this area, as described previously. Taken together, these considerations suggest that potential adverse effects to the pelican or roseate tern from COPECs at the Holding Pond are also unlikely.

4.6 Uncertainty Analysis

Uncertainties are inherent in all risk assessments where knowledge about exposure, effects, receptors, contaminants, and site-specific factors is not perfect. All possible information needed to make a risk-based decision is never available. Uncertainty represents both error in measurements and that which we do not know. Understanding the quality and usability of potential risk estimates requires that uncertainties associated with them be described. The nature and magnitude of uncertainties depend on the amount and quality of data available, the degree of knowledge concerning site conditions, and the assumptions made to perform the assessment. A qualitative evaluation of the major uncertainties associated with this screening assessment, in no particular order of importance, is outlined below.

- The potential for risks from COPECs were each considered independently for all receptors (because of the lack of ambient media toxicity data and lack of information about interactive effects) and for classes of COPECs other than PCBs and PAHs. Because chemicals may interact in an additive, antagonistic, or synergistic manner, evaluation of single-chemical risk may either underestimate or overestimate potential risks associated with chemical mixtures.

- There is an inherent uncertainty accompanying all derived toxicity values as they cannot apply to all environmental situations or species. The low SEV for mercury in sediment was selected from the consensus-based threshold effects concentration (CB-TEC) published by MacDonald et al. (2000). The CB-TEC represents concentrations below which effects are considered unlikely; however, effects associated with mercury were observed at the low SEV for mercury in 66 percent of samples from the evaluation of predictive ability for this value. As a consequence, risk to benthic invertebrates from sediments may be underestimated by the low SEV.

- There is inherent uncertainty accompanying all derived toxicity values as they cannot apply to all environmental situations or species. The potential for adverse effects to benthic invertebrates when sediment concentrations occur between the low SEV, at which concentration adverse effects are not likely, and the high SEV, where adverse effects are likely, is uncertain. As a consequence, risk to benthic invertebrates from sediments may be overestimated by the low SEV and underestimated by the high SEV.

- An analysis of detection limits was presented for the data used in this site-wide risk assessment where analytes were not found at concentrations above the limits of analytical detection. In many cases, the detection limits of data exceed the screening benchmarks. In these cases, detection limits are inadequate (not sufficiently low) and risk may be either overestimated or underestimated.

- No avian life history data specific to the site were available; therefore, exposure parameters were either modeled based on allometric relationships (e.g., food ingestion rates) or were based on data from these same species in other portions of its range. Because diet composition as well as food, water, and sediment ingestion rates can differ among individuals and locations, published parameter values may not accurately reflect individuals present at the site. As a consequence, risk may be either overestimated or underestimated.

- No site-specific data on concentrations in prey items were available. Therefore, concentrations in these prey items were estimated using literature-derived bioaccumulation models. The suitability of these models is unknown. As a consequence, concentrations of COPECs in actual prey may be either higher or lower than the data used in this screen.

- Screening values are concentrations derived from laboratory studies that represent threshold environmental concentrations. In addition, SEVs specific to the receptors that mimic the environmental conditions (e.g., sediment or water chemistries) in Puerto Rico were not available. Therefore, the reported screening values may not represent actual threshold environmental concentrations for the tropical biota. The principal concern would be that the SEVs exceed actual sensitivities of site biota. This uncertainty was minimized by using the maximum reported concentrations and conservative SEVs. However, estimations of risk from these SEVs may be either overestimated or underestimated.

- The use of SEVs that were not specifically derived for marine environments (e.g., EPA Region 5 Ecological Screening Levels) may not be applicable to the marine conditions found at the CPCPRC site. As a consequence, risk associated with these SEVs may be either overestimated or underestimated.

- Dietary compositions were simplified for the site receptors to estimate concentrations in food items using bioaccumulation models. It was assumed that concentrations were similar in comparable food types. The suitability of this assumption is unknown. Consequently, risk may be either overestimated or underestimated.

- Because toxicity data specific for avian wildlife at the site were not available, it was necessary to extrapolate toxicity values from test species to site receptor species. These factors are not chemical-specific and are based on acute toxicity data. As a consequence, risk may be either overestimated or underestimated.

- The goal of this site-wide ERA is to determine sites at the CPCPRC facility where COPECs may pose a potential risk to ecological receptor populations. However, this is achieved by estimating the potential for risk to individuals in the avian population from individual toxicity values whose potential risks are extrapolated to the population. There is an uncertainty inherent in the assumption that these risks are comparable, which may either underestimate or overestimate potential risks to populations.

- The use of a conservative home range for the black-necked stilt adopted from the lesser yellowlegs is a source of uncertainty for the exposure assessment. As a consequence, the potential for risk to aquatic avian insectivores may be overestimated or underestimated.

- Determining SEVs based on surrogate chemicals that may closely resemble but not accurately mimic the toxicity of related chemicals adds uncertainty to the estimated risk for ecological receptors. This approach was only used when there were no available toxicity values available for a COPEC, but a value was available for a closely related COPEC (e.g., avian TRVs for chromium were used as a surrogate for chromium VI). As a consequence, risk may be either overestimated or underestimated.

- Surface water hardness was only available at the Effluent Channel site at the CPCPRC. The use of a site-specific hardness value for determining NAWQC is appropriate, given the lack of hardness values for each site, where waterbodies are closely networked; however, there is uncertainty in the use of a single hardness value that may not account for small differences in water quality between waterbodies. Thus, risk to aquatic life may be overestimated or underestimated at the AES, Channel, and Holding Pond.

- Uncertainty exists regarding the site description and conceptual site model discussion concerning marine sediments adjacent to the site. These sediments are comprised of rock and sand where analytes from groundwater discharge to the marine waters are not expected to be adsorbed or deposited onto the sediments. However, there is the potential for elevated concentrations of COPECs in the sediment pore water. Groundwater discharge or upwelling into marine waters may influence these pore waters prior to dilution by seawater. Therefore, the potential for risks to aquatic life in marine sediments is uncertain.

- Samples from marine waters were not collected to aid in the ecological risk screening for the CPCPRC site. Estimates of COPEC concentrations in the marine surface water were based on calculating the dilution of groundwater entering marine water. There is uncertainty associated with these calculations that may result in either overestimation or underestimation of risk to aquatic life.

- In this site-wide assessment, risks for most chemicals were each considered independently. Because chemicals may interact in an additive, antagonistic, or synergistic manner, the evaluation of single-chemical risk may either underestimate or overestimate risk associated with chemical mixtures.

- There is a high degree of uncertainty in determining exposure to di-n-octyl phthalate due to the high-log Kow (9.87) driving very large biotransfer factors derived from the log Kow-based uptake equations into fish (Lyman et al., 1982) and benthic invertebrates (Southworth et al., 1978). Rapid environmental degradation, biotransformation, and inappropriate bioaccumulation modeling (Staples et al., 1997) indicate that phthalate esters are not likely to pose a risk to ecological receptors; thus, there is a high uncertainty associated with the exposure calculation and HQs for di-n-octyl phthalate that likely significantly overestimate risk.

- Toxicity data was not available to evaluate the effects of all COPECs for all receptors. The COPECs for which there is no toxicological information and the potential for causing risks to ecological receptors is uncertain are summarized below:

  Marine Aquatic Organisms: Magnesium, 2-nitroaniline, 3-nitroaniline, 4-nitroaniline, bis(2-chloroisopropyl)ether, 1,2,3-trichloropropane, 1,2-dibromo-3-chloropropane, 2-chloroethyl vinyl ether, chloroethane, chloromethane,

dichlorodifluoromethane, methane, trichlorofluoromethane, alkalinity, bicarb., alkalinity, carb., alkalinity, total, ammonia as NH_3, calcium, calcium, dissolved, calcium, total, chloride, orthophosphate as P, potassium, potassium, dissolved, potassium, total, salinity, sodium, sodium, dissolved, sodium, total, sulfate, sulfide, total dissolved solids, total organic carbon, total solids (residue), and total suspended solids.

Freshwater Aquatic Organisms: Magnesium, dissolved, 2-nitroaniline, 3-nitroaniline, 4-nitroaniline, bis(2-chloroethoxy)methane, bis(2-chloroisopropyl)ether 2-chloroethyl vinyl ether, bromodichloromethane, chloroethane, chloromethane, methane, tert-butyl methyl ether, alkalinity, bicarb., alkalinity, carb., ammonia as NH_3, AVS distillation, calcium, calcium, dissolved, calcium, total, orthophosphate as P, phosphorus, potassium, potassium, dissolved, potassium, total, salinity, sodium, sodium, dissolved, sodium, total, sulfate, sulfide, sulfide, total, total dissolved solids, total organic carbon, total solids (residue).

Benthic Invertebrates: Barium, beryllium, chromium(VI), iron, magnesium, selenium, tin, vanadium, 1,2-diphenylhydrazine, 2-nitroaniline, 2-nitrophenol, 3-nitroaniline, 4-nitroaniline, 4-nitrophenol, 9h-carbazole, benzidine, benzoic acid, bis(2-chloroethoxy)methane, n-nitrosodimethylamine, n-nitroso-1-propyl-1-propanamine, n-nitrosodiphenylamine, 1,1,2-trichlorotrifluoroethane, 1,2-dibromo-3-chloropropane, 1,2-dibromomethane, 2-chloroethyl vinyl ether, trans-1,4-dichloro-2-butene, trichlorofluoromethane, tert-butyl methyl ether, acid volatile sulfide, calcium, pH, potassium, sodium (total), organic carbon.

Birds: 1,1,2-trichlorotrifluoroethane, 1,2-dibromo-3-chloropropane, 1,2-dibromomethane, 1,2-diphenylhydrazine, 1,3,5-trimethylbenzene, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 2,4-dichlorophenol, 2,4-dimethylphenol, 2,4-dinitrophenol, 2,4-dinitrotoluene, 2,6-dinitrotoluene, 2-butanone, 2-chloroethyl vinyl ether, 2-chloronaphthalene, 2-chlorophenol, 2-chlorotoluene, 2-hexanone, 2-nitroaniline, 2-nitrophenol, 3,3'-dichlorobenzidine, 3-nitroaniline, 4,6-dinitro-2-methylphenol, 4-bromophenyl henylether, 4-chloro-3-methylphenol, 4-chloroaniline, 4-chlorophenyl-phenylether, 4-chlorotoluene, 4-methyl-2-pentanone, 4-nitroaniline, 4-nitrophenol, 9h-carbazole, acid volatile sulfide, acrolein, acrylonitrile, alkalinity, bicarb., alkalinity, carb., alkalinity, total, ammonia as NH_3, ammonia as NH_3, total, antimony, antimony, dissolved, AVS distillation, benzidine, benzoic acid, benzyl alcohol, beryllium, beryllium, dissolved, bis(2-chloroethoxy)methane, bis(2-chloroethyl)ether, bis(2-chloroisopropyl)ether, bromobenzene, bromochloromethane, bromodichloromethane, bromoethane, bromoform, bromomethane, calcium, calcium, dissolved, calcium, total, carbon disulfide, carbon tetrachloride, chloride, chloroethane, chloroform, chloromethane, dibenzofuran, dibromochloromethane, dichlorodifluoromethane, hexachlorobutadiene, hexachlorocyclopentadiene, hexachloroethane, iodomethane, isophorone, magnesium, magnesium, dissolved, methane, methylene chloride, nitrate as N, nitrite as N, nitrobenzene, nitrogen, total, nitrogen-TKN, n-nitroso-1-propyl-1-propanamine, n-nitrosodimethylamine, n-nitroso-di-n-propylamine, n-nitrosodiphenylamine, phenol, phosphorus, total, potassium, potassium, dissolved, potassium, total, pyridine, salinity, sodium, sodium, dissolved, sodium,

total, sulfate, sulfide, sulfide, total, tert-butyl methyl ether, tetrachloroethene, total dissolved solids, total organic carbon, total solids (residue), total suspended solids, trans-1,4-dichloro-2-butene, vinyl acetate, vinyl chloride.

4.7 Summary and Conclusions

A site-wide ecological risk evaluation was conducted in two parts: an initial conservative site-wide screen followed by a refined evaluation performed for each area at the site. The initial site-wide screen employed conservative assumptions, and used the maximum concentration coupled with no-effect thresholds to differentiate between analytes that clearly presented no risk and those for which insufficient data were available to permit their exclusion (e.g., retained analytes). The refined screen employed more biologically realistic exposure and effects assumptions and focused only on retained analytes. Refined evaluations were conducted for each receptor expected to use each area of the site. Key conclusions are described below and summarized in Table 4-24.

4.7.1 Marine Aquatic Organisms

Of the over 150 constituents analyzed in groundwater, only barium, total nitrogen, total phosphorous, and phosphorous could not be excluded. In the unlikely event that they are directly exposed to undiluted groundwater, there is potential for risk to marine aquatic organisms from chronic exposures to these constituents. However, a small sample size and non-detected organics increased the uncertainty, and limits the strength of this conclusion of potential risk. Non-detected concentrations of anthracene, benzo[a]anthracene, benzo[a]pyrene, chrysene, dibenz[a,h]anthracene, hexachlorobutadiene also exceeded their respective SEVs, and they were retained as uncertainties.

4.7.2 Freshwater Aquatic Organisms

AES Area

The absence of facility-related constituents in surface water, supports the conclusion that contaminated groundwater in the subsurface (West Area plume) is not discharging to the surface in this area. Screening indicated that the potential for risks due to two metals (barium and manganese) and three general chemistry parameters (alkalinity, chloride, and TKN) could not be excluded. There is uncertainty regarding beryllium, cadmium, selenium, and nitrite as well as 31 organics where non-detected concentrations exceeded SEVs.

Holding Pond Area

The potential for risks to aquatic organisms at the Holding Pond could not be excluded for two metals (barium and vanadium), bis(2-ethylhexyl)phthalate, and three general chemistry parameters (alkalinity, TKN, and total phosphorus). There is uncertainty associated with non-detected beryllium, silver, four PCBs (Aroclor-1016, Aroclor-1242, Aroclor-1248, and Aroclor-1254), and 19 additional organic constituents since the non-detected concentrations exceeded SEVs. PCBs have been removed from the site (July 1991 *RFI Report*) and the non-detected organics are predominantly chemicals with hetero-atom functionality (i.e., nitro, amino, chloro, and thio functionality). These hetero-atom functionality groups have previously been determined to not be related to the facility.

Effluent Channel Area

The potential for risks to freshwater aquatic organisms in the Channel Area could not be excluded for five metals (barium, iron, manganese, nickel, and vanadium), two organics (bis[2-ethylhexyl]phthalate and carbon disulfide), and seven general chemistry parameters (alkalinity, ammonia, chloride, nitrate, nitrite, TKN, and total suspended solids). Other detected analytes also exceed high SEVs but with lower frequency (benzene, toluene, and total xylenes) and were determined not to pose a risk to aquatic life in the Effluent Channel. In addition, seven metals (antimony, beryllium, cadmium, cobalt, lead, silver, and thallium) and 67 organics (predominately chemicals with hetero-atom functionality) had non-detected concentrations that exceeded the high SEVs. Although there is significant uncertainty associated with whether these non-detect exceedances actually present risks, there are not available data to definitively exclude them.

4.7.3 Benthic Invertebrates

AES Area

Detected concentrations of manganese exceeded the high SEV with high frequency (100 percent of the samples) and could not be excluded as posing a risk to benthic invertebrates at the AES Area. The potential for risks could also not be excluded for cadmium and copper where detected concentrations exceeded their respective low SEVs in greater than 20 percent of samples, although high SEVs were not exceeded by any samples and risks are not considered likely. The potential for risks from acetone is uncertain, because detected concentrations exceeded the low SEV, but the lack of a high SEV precluded definitive evaluation. A low magnitude of exceedances suggests that the potential for adverse effects from acetone is unlikely. The potential for risk was also uncertain, although considered unlikely, for 51 non-detected organics and 1,1-dichloroethane that exceeded the low SEV and for which no high SEV was available for further comparison.

Holding Pond Area

The conclusion drawn from these data is that the potential for risks to benthic invertebrates in the Holding Pond due to chromium, manganese, nickel, zinc, or fluorene could not be excluded. Mercury was also retained as an uncertainty due to a non-conservative low screening value. Two metals (cadmium and copper), 11 SVOCs, eight PAHs, and eight VOCs were retained as uncertainties due to detected or non-detected concentrations exceeding the low SEV by at least 20 percent of samples. All of these, except acetone, had low magnitudes of low SEV exceedances, and a lack of high SEV exceedances when available, indicating the potential for risk from those chemicals was unlikely.

Effluent Channel Area

The conclusion drawn from these data is that the potential for risks to benthic invertebrates in the Effluent Channel Area due to chromium, manganese, and nickel could not be excluded. The potential for risks from an additional two metals (copper and zinc), 21 SVOCs, 15 PAHs, 16 VOCs, and cyanide are uncertain and could not be excluded, because high SEVs were lacking and low SEVs were exceeded with a high frequency. Mercury was also retained as an uncertainty due to a non-conservative low screening value.

4.7.4 Birds

AES Area

The potential for risk to the black-necked stilt could not be excluded for iron, although conservative exposure factors add great uncertainty in the exposure assessment and the potential for risks were not considered likely. In general all other retained analytes are not expected to present any risk to herons or stilts in the AES Area. Although seven organic analytes (benzo[g,h,i]fluoranthene, benzo[k]fluoranthene, butylbenzyl phthalate, di-n-butyl phthalate, di-n-octyl phthalate, hexachlorobenzene, and pentachlorophenol) were identified as a potential risk drivers for both species, these risk estimates were driven by non-detected concentrations and have much uncertainty. In addition, conservative modeled BCFs and metabolism reduces the likelihood of potential adverse effects from phthalates.

Holding Pond Area

In general, all retained analytes are not expected to present any risk to herons in the Holding Pond. The potential for risk to the black-necked stilt could not be excluded for chromium, iron, benzo(g,h,i)perylene, or total PAHs, although conservative exposure factors add great uncertainty in the assessment and the potential for risks were not considered likely. Total PCBs for the heron, di-n-octyl phthalate for both receptors, and three other organics (butylbenzyl phthalate, di-n-butyl phthalate, and hexachlorobenzene) for the stilt were also identified as potential risk drivers. However, because the risk estimates were driven by non-detected concentrations, employed conservative modeled BCFs (phthalates), and metabolism of some of the chemicals (phthalates) is likely, the likelihood for risks was considered low.

Effluent Channel Area

Most retained analytes do not present any risk to herons or stilts in the Effluent Channel Area. For herons, the potential for risk to herons from selenium could not be excluded, although cadmium, thallium, PCBs, and organic COPECs are not likely to present any risks. The potential for risk to the black-necked stilt could not be excluded for chromium, iron, benzo(g,h,i)perylene, and total PAHs. However, given the small size of the site and the conservative assumptions employed, the potential for adverse effects to local populations of avian insectivores is possible but not expected. Although seven organic analytes (1,2,4-trichlorobenzene, butylbenzyl phthalate, diethylphthalate, di-n-butyl phthalate, di-n-octyl phthalate, hexachlorobenzene, and pentachlorophenol) were identified as potential risk drivers for one or both species, because these risk estimates were mostly driven by non-detected concentrations, employed conservative modeled BCFs (phthalates), and metabolism of some of the chemicals (phthalates) is likely, the likelihood for risks was considered low.

Beach Area

Only groundwater was sampled from the Beach Area; therefore, only the great blue heron was assessed as a potential wildlife receptor. Only one analyte, di-n-octyl phthalate, was identified as a potential risk driver. Because the risk estimate was driven by non-detected concentrations, employed conservative modeled BCFs, and metabolism of phthalates is likely, the likelihood for risks was considered low.

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Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater	**Table 4-1**	
Ecological Receptor Categories	**Table 4-2**	
Screening Ecotoxicity Values (SEVs) for Marine Aquatic Biota	**Table 4-3**	
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Toxicity Reference Values Considered for Avian Wildlife Receptors	**Table 4-6**	
Exposure Parameters for Aquatic Avian Wildlife Receptors	**Table 4-7**	
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Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwate	**Table 4-13**	
Detailed Point-by-Point Analysis for Marine Life Exposed to Groundwater	**Table 4-14**	
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Refined Summary for Freshwater Benthic Life Exposed to Site Sediments	**Table 4-19**	**Yes**
Refined Estimation for Avian Wildlife Exposed to Site Surface Waters at AES	**Table 4-20**	**Yes**
Refined Estimation for Avian Wildlife Exposed to Site Surface Waters at the Holding Pond	**Table 4-21**	**Yes**
Refined Estimation for Avian Wildlife Exposed to Site Surface Waters at the Effluent Channel	**Table 4-22**	**Yes**
Refined Estimation for Avian Wildlife Exposed to Site Surface Waters at the Beach Area	**Table 4-23**	**Yes**
Summary of Parameter Outcome	**Table 4-24**	**Yes**

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Groundwater	DISMET	Antimony, Dissolved	7440360	ug/L	0	/	7	5.517143	3.118983	10	7.827672
Groundwater	DISMET	Arsenic, Dissolved	7440382	ug/L	3	/	8	4.1425	1.966184	8.6999998	5.504969
Groundwater	DISMET	Barium, Dissolved	7440393	ug/L	6	/	7	640.0429	365.6179	1030	910.891
Groundwater	DISMET	Beryllium, Dissolved	7440417	ug/L	0	/	7	4.308571	1.307866	5	5.277433
Groundwater	DISMET	Cadmium, Dissolved	7440439	ug/L	1	/	8	1.88875	1.989009	5	3.267035
Groundwater	DISMET	Chromium (VI), Dissolved	18540299	ug/L	0	/	5	7.6	2.19089	10	9.520362
Groundwater	DISMET	Chromium, Dissolved	7440473	ug/L	1	/	7	2.991429	3.349704	10	5.472874
Groundwater	DISMET	Cobalt, Dissolved	7440484	ug/L	2	/	7	2.074286	0.763301	3.4000001	2.639736
Groundwater	DISMET	Copper, Dissolved	7440508	ug/L	1	/	8	5.19	4.283083	11	8.157966
Groundwater	DISMET	Iron, Dissolved	7439896	ug/L	6	/	7	2499.786	3342.893	9200	4976.186
Groundwater	DISMET	Lead, Dissolved	7439921	ug/L	2	/	8	3.1	1.273914	5.1999998	3.98276
Groundwater	DISMET	Magnesium, Dissolved	7439954	ug/L	7	/	7	153057.1	336125.7	915000	402057.6
Groundwater	DISMET	Manganese, Dissolved	7439965	ug/L	8	/	8	1152.75	1343.357	4200	2083.63
Groundwater	DISMET	Mercury, Dissolved	7439976	ug/L	0	/	8	0.11175	0.073083	0.2	0.162393
Groundwater	DISMET	Nickel, Dissolved	7440020	ug/L	1	/	8	9.05625	14.05579	40	18.79622
Groundwater	DISMET	Selenium, Dissolved	7782492	ug/L	2	/	7	8.284286	7.500937	25	13.84095
Groundwater	DISMET	Silver, Dissolved	7440224	ug/L	0	/	6	0.935	0.44514	1.8099999	1.291179
Groundwater	DISMET	Vanadium, Dissolved	7440622	ug/L	1	/	7	4.335714	7.011581	18	9.529863
Groundwater	DISMET	Zinc, Dissolved	7440666	ug/L	5	/	7	120.4714	75.56134	191	176.4469
Groundwater	GENX	Alkalinity, Bicarb.	477923700	ug/L	9	/	9	346555.6	139856.3	491000	437926.5
Groundwater	GENX	Alkalinity, Carb.	477730600	ug/L	0	/	9	4166.667	2500	10000	5799.968
Groundwater	GENX	Alkalinity, Total	477520600	ug/L	8	/	8	354250	147462.1	491000	456434
Groundwater	GENX	Ammonia as NH3	ammonia NH3	ug/L	5	/	7	269.5714	466.1179	1300	614.8695
Groundwater	GENX	Calcium	7440702	ug/L	5	/	5	101080	35913.95	161000	132559.3
Groundwater	GENX	Calcium, Dissolved	7440702	ug/L	7	/	7	144414.3	197198.2	591000	290497.8
Groundwater	GENX	Calcium, Total	7440702	ug/L	3	/	3	1015667	1153115	2340000	2320513
Groundwater	GENX	Chloride	1003	ug/L	9	/	9	1778267	3688374	10800000	4187956
Groundwater	GENX	Nitrate as N	25900	ug/L	2	/	9	49.11111	43.89318	120	77.78742
Groundwater	GENX	Nitrite as N	Nitrite as N	ug/L	0	/	8	46.0625	44.68256	100	77.02532
Groundwater	GENX	Nitrogen, Total	7727379	ug/L	1	/	1	2350	#DIV/0!	2350	#DIV/0!
Groundwater	GENX	Nitrogen-TKN	STT00625	ug/L	5	/	7	1214.857	1446.87	3900	2286.692
Groundwater	GENX	Orthophosphate as P	226750800	ug/L	7	/	8	153.75	117.6712	300	235.2903
Groundwater	GENX	pH	1006	(blank)	5	/	5	7.4	0.264575	7.6999998	7.631906
Groundwater	GENX	Phosphorus	(blank)	ug/L	3	/	3	1153.333	676.8555	1900	1919.252
Groundwater	GENX	Phosphorus, Total	(blank)	ug/L	4	/	5	1244	1589.789	3800	2637.484

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Groundwater	GENX	Potassium	7440097	ug/L	6	/	6	8915	7491.768	23400	14909.54
Groundwater	GENX	Potassium, Dissolved	7440097	ug/L	7	/	7	22236.57	48613.06	132000	58248.92
Groundwater	GENX	Potassium, Total	7440097	ug/L	3	/	3	68866.67	66980.99	145000	144661.3
Groundwater	GENX	Salinity	Q851	(blank)	3	/	2	0.335	0.021213	0.35	0.364399
Groundwater	GENX	Sodium	7440235	ug/L	6	/	6	50626.67	8030.758	60960	57052.48
Groundwater	GENX	Sodium, Dissolved	7440235	ug/L	7	/	7	438900	972422.8	2640000	1159267
Groundwater	GENX	Sodium, Total	7440235	ug/L	3	/	3	2312333	2396319	4920000	5023970
Groundwater	GENX	Sulfate	3035	ug/L	8	/	8	215637.5	421746.9	1200000	507887.4
Groundwater	GENX	Sulfide	18496258	ug/L	5	/	7	649.8571	500.5698	1400	1020.677
Groundwater	GENX	Total Dissolved Solids	tds	ug/L	9	/	9	3550556	6677650	20000000	7913200
Groundwater	GENX	Total Organic Carbon	STT00680	ug/L	5	/	7	2698.857	3480.684	10000	5277.333
Groundwater	GENX	Total Solids (residue)	Q597	ug/L	5	/	5	2781600	3950247	9800000	6244076
Groundwater	GENX	Total Suspended Solids	Q595	ug/L	5	/	5	2841200	3942285	9570000	6296697
Groundwater	SVOC	1,2,3-Trichlorobenzene	87616	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	SVOC	1,2,4-Trichlorobenzene	120821	ug/L	0	/	9	4.235556	4.352281	10	7.07899
Groundwater	SVOC	1,2-Dichlorobenzene	95501	ug/L	0	/	9	4.245556	4.397107	10	7.118275
Groundwater	SVOC	1,3-Dichlorobenzene	541731	ug/L	0	/	9	4.123333	4.454958	10	7.033848
Groundwater	SVOC	1,4-Dichlorobenzene	106467	ug/L	0	/	9	4.127778	4.460338	10	7.041808
Groundwater	SVOC	2,4,5-Trichlorophenol	95954	ug/L	0	/	8	4.51625	4.571305	10	7.68394
Groundwater	SVOC	2,4,6-Trichlorophenol	88062	ug/L	0	/	8	5.6875	4.245087	10	8.629137
Groundwater	SVOC	2,4-Dichlorophenol	120832	ug/L	0	/	8	5.21125	4.251925	10	8.157625
Groundwater	SVOC	2,4-Dimethylphenol	105679	ug/L	0	/	8	5.40125	3.950788	10	8.138952
Groundwater	SVOC	2,4-Dinitrophenol	51285	ug/L	0	/	8	19.8275	24.98677	50	37.14211
Groundwater	SVOC	2,4-Dinitrotoluene	121142	ug/L	0	/	8	4.88375	4.26964	10	7.842401
Groundwater	SVOC	2,6-Dinitrotoluene	606202	ug/L	0	/	8	5.20375	4.187178	10	8.105258
Groundwater	SVOC	2-Chloronaphthalene	91587	ug/L	0	/	8	4.55	4.565456	10	7.713637
Groundwater	SVOC	2-Chlorophenol	95578	ug/L	0	/	8	4.71	4.479885	10	7.81434
Groundwater	SVOC	2-Methylnaphthalene	91576	ug/L	0	/	8	4.5975	4.507254	10	7.720805
Groundwater	SVOC	2-Methylphenol	95487	ug/L	0	/	8	4.81625	4.367539	10	7.84274
Groundwater	SVOC	2-Nitroaniline	88744	ug/L	0	/	8	19.46825	25.28324	50	36.98829
Groundwater	SVOC	2-Nitrophenol	88755	ug/L	0	/	8	4.62375	4.502517	10	7.743773
Groundwater	SVOC	3,3'-Dichlorobenzidine	91941	ug/L	0	/	8	20.86625	24.13404	50	37.58995
Groundwater	SVOC	3-Nitroaniline	99092	ug/L	0	/	8	20.3725	24.55529	50	37.38811
Groundwater	SVOC	4,6-Dinitro-2-methylphenol	534521	ug/L	0	/	8	20.50875	24.47739	50	37.47038
Groundwater	SVOC	4-Bromophenyl phenylether	101553	ug/L	0	/	8	4.82675	4.400836	10	7.876313

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Groundwater	SVOC	4-Chloro-3-methylphenol	59507	ug/L	0	/	8	4.7175	4.411701	10	7.774592
Groundwater	SVOC	4-Chloroaniline	106478	ug/L	0	/	8	5.88125	3.495713	10	8.303608
Groundwater	SVOC	4-Chlorophenyl-phenylether	7005723	ug/L	0	/	8	4.55175	4.557952	10	7.710187
Groundwater	SVOC	4-Methylphenol	106445	ug/L	0	/	8	4.80875	4.355428	10	7.826848
Groundwater	SVOC	4-Nitroaniline	100016	ug/L	0	/	8	20.24375	24.64655	50	37.3226
Groundwater	SVOC	4-Nitrophenol	100027	ug/L	0	/	8	20.0775	24.78562	50	37.25272
Groundwater	SVOC	7,12-Dimethylbenz(a)anthracene	57976	ug/L	0	/	5	3.52	2.355207	6.0999999	5.584389
Groundwater	SVOC	Acenaphthene	83329	ug/L	0	/	8	5.02	4.133598	10	7.88438
Groundwater	SVOC	Acenaphthylene	208968	ug/L	0	/	8	4.59375	4.534033	10	7.735612
Groundwater	SVOC	Anthracene	120127	ug/L	0	/	8	4.5075	4.590586	10	7.688551
Groundwater	SVOC	Benzo(a)anthracene	56553	ug/L	0	/	8	4.54	4.549951	10	7.692893
Groundwater	SVOC	Benzo(a)pyrene	50328	ug/L	0	/	8	4.46625	4.605428	10	7.657586
Groundwater	SVOC	Benzo(b)fluoranthene	205992	ug/L	0	/	8	4.56375	4.532338	10	7.704437
Groundwater	SVOC	Benzo(g,h,i)perylene	191242	ug/L	0	/	8	4.5675	4.54178	10	7.71473
Groundwater	SVOC	Benzo(k)fluoranthene	207089	ug/L	0	/	8	4.71375	4.447802	10	7.795858
Groundwater	SVOC	Benzoic acid	65850	ug/L	0	/	8	20.3125	24.58359	50	37.34772
Groundwater	SVOC	Benzyl alcohol	100516	ug/L	0	/	8	4.8125	4.295658	10	7.78918
Groundwater	SVOC	Bis(2-chloroethoxy)methane	111911	ug/L	0	/	8	4.67075	4.488564	10	7.781104
Groundwater	SVOC	Bis(2-chloroethyl)ether	111444	ug/L	0	/	8	4.7825	4.388168	10	7.823285
Groundwater	SVOC	Bis(2-chloroisopropyl)ether	108601	ug/L	0	/	8	4.68375	4.480127	10	7.788258
Groundwater	SVOC	Bis(2-ethylhexyl)phthalate	117817	ug/L	1	/	8	20.2375	17.79181	58.400002	32.56635
Groundwater	SVOC	Butylbenzyl phthalate	85687	ug/L	0	/	8	4.6615	4.433832	10	7.733928
Groundwater	SVOC	Chrysene	218019	ug/L	0	/	8	4.885	4.238002	10	7.821727
Groundwater	SVOC	Dibenz(a,h)anthracene	53703	ug/L	0	/	8	4.55	4.541476	10	7.697019
Groundwater	SVOC	Dibenzofuran	132649	ug/L	0	/	8	4.37825	4.677825	10	7.619753
Groundwater	SVOC	Diethylphthalate	84662	ug/L	0	/	8	4.764	4.370991	10	7.792882
Groundwater	SVOC	Dimethylphthalate	131113	ug/L	0	/	8	4.62	4.506893	10	7.743056
Groundwater	SVOC	Di-n-butylphthalate	84742	ug/L	2	/	8	5.5675	4.07864	10	8.393797
Groundwater	SVOC	Di-n-octyl phthalate	117840	ug/L	0	/	8	4.865	4.260594	10	7.817382
Groundwater	SVOC	Fluoranthene	206440	ug/L	0	/	8	4.7075	4.418813	10	7.76952
Groundwater	SVOC	Fluorene	86737	ug/L	0	/	8	4.62875	4.501417	10	7.748011
Groundwater	SVOC	Hexachlorobenzene	118741	ug/L	0	/	8	4.7825	4.321262	10	7.776922
Groundwater	SVOC	Hexachlorobutadiene	87683	ug/L	0	/	9	4.33	4.296504	10	7.136994
Groundwater	SVOC	Hexachlorocyclopentadiene	77474	ug/L	0	/	8	19.0625	25.61868	50	36.81499
Groundwater	SVOC	Hexachloroethane	67721	ug/L	0	/	8	4.6275	4.450977	10	7.711808

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Groundwater	SVOC	Indeno(1,2,3-CD)pyrene	193395	ug/L	0	/	8	4.75375	4.34432	10	7.76415
Groundwater	SVOC	Isophorone	78591	ug/L	0	/	8	4.8375	4.357344	10	7.856926
Groundwater	SVOC	Naphthalene	91203	ug/L	0	/	9	4.224444	4.384775	10	7.089107
Groundwater	SVOC	Nitrobenzene	98953	ug/L	0	/	8	4.735	4.425646	10	7.801755
Groundwater	SVOC	n-nitroso-1-propyl-1-propanamine	621647	ug/L	0	/	8	4.77	4.367019	10	7.79613
Groundwater	SVOC	n-Nitrosodiphenylamine	86306	ug/L	0	/	8	5	4.148552	10	7.874743
Groundwater	SVOC	Pentachlorophenol	87865	ug/L	0	/	8	19.695	25.09947	50	37.0877
Groundwater	SVOC	Phenanthrene	85018	ug/L	0	/	8	4.92875	4.203813	10	7.841786
Groundwater	SVOC	Phenol	108952	ug/L	0	/	8	4.7475	4.425016	10	7.813819
Groundwater	SVOC	Pyrene	129000	ug/L	0	/	8	4.6625	4.447862	10	7.74465
Groundwater	SVOC	Pyridine	110861	ug/L	0	/	8	9.89625	8.369765	20	15.69609
Groundwater	TOTMET	Antimony, Total	7440360	ug/L	1	/	8	14.6975	21.4773	67.5	29.58021
Groundwater	TOTMET	Arsenic, Total	7440382	ug/L	4	/	9	16.78444	25.15846	81	33.22098
Groundwater	TOTMET	Barium, Total	7440393	ug/L	7	/	8	784.7875	742.7812	2300	1299.498
Groundwater	TOTMET	Beryllium, Total	7440417	ug/L	1	/	8	2.55	1.698234	5	3.726793
Groundwater	TOTMET	Cadmium, Total	7440439	ug/L	5	/	9	8.27	12.1448	34	16.20445
Groundwater	TOTMET	Chromium (VI), Total	18540299	ug/L	0	/	8	11.5	7.690439	29.999998	16.8291
Groundwater	TOTMET	Chromium, Total	7440473	ug/L	7	/	8	63.3175	100.6832	300	133.086
Groundwater	TOTMET	Cobalt, Total	7440484	ug/L	5	/	8	70.645	100.6363	270	140.381
Groundwater	TOTMET	Copper, Total	7440508	ug/L	9	/	9	416.6889	626.0528	1900	825.7019
Groundwater	TOTMET	Iron, Total	7439896	ug/L	10	/	10	171904	306442.1	985000	361835
Groundwater	TOTMET	Lead, Total	7439921	ug/L	6	/	9	8.824444	5.47019	19.4	12.39823
Groundwater	TOTMET	Magnesium, Total	7439954	ug/L	9	/	9	206351.1	354251.9	1100000	437791.1
Groundwater	TOTMET	Manganese, Total	7439965	ug/L	9	/	9	4461.556	4945.885	13700	7692.803
Groundwater	TOTMET	Mercury, Total	7439976	ug/L	3	/	9	0.14	0.246584	0.78	0.301098
Groundwater	TOTMET	Nickel, Total	7440020	ug/L	4	/	9	28.76667	40.0896	120	54.95802
Groundwater	TOTMET	Selenium, Total	7782492	ug/L	4	/	8	6.60125	6.499021	22.200001	11.10475
Groundwater	TOTMET	Silver, Total	7440224	ug/L	0	/	6	2.008333	0.485815	3	2.397059
Groundwater	TOTMET	Vanadium, Total	7440622	ug/L	8	/	8	639.2875	957.3959	2800	1302.716
Groundwater	TOTMET	Zinc, Total	7440666	ug/L	8	/	8	291.3375	352.1784	1000	535.3799
Groundwater	VOA	1,1,1,2-Tetrachloroethane	630206	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	1,1,1-Trichloroethane	71556	ug/L	0	/	9	0.837778	0.363104	1.1	1.075001
Groundwater	VOA	1,1,2,2-Tetrachloroethane	79345	ug/L	0	/	9	0.695556	0.31413	1	0.900783
Groundwater	VOA	1,1,2-Trichloroethane	79005	ug/L	0	/	9	0.677778	0.311198	1	0.88109
Groundwater	VOA	1,1-Dichloroethane	75343	ug/L	0	/	9	0.686667	0.31496	1	0.892437

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Groundwater	VOA	1,1-Dichloroethene	75354	ug/L	0	/	9	0.978889	0.496297	1.5	1.30313
Groundwater	VOA	1,1-Dichloropropene	563586	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	1,2,3-Trichloropropane	96184	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	1,2-Dibromo-3-chloropropane	96128	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	1,2-Dibromoethane	106934	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	1,2-Dibromomethane	74953	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	1,2-Dichloroethane	107062	ug/L	0	/	9	0.56	0.363868	1	0.797722
Groundwater	VOA	1,2-Dichloropropane	78875	ug/L	0	/	9	0.758889	0.295907	1	0.952211
Groundwater	VOA	1,3,5-Trimethylbenzene	108678	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	1,3-Dichloropropane	142289	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	2,2-Dichloropropane	594207	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	2-Butanone	78933	ug/L	0	/	8	3.17875	2.50865	6.8299999	4.917121
Groundwater	VOA	2-Chloroethyl vinyl ether	110758	ug/L	0	/	8	2.515	0.519973	3	2.875315
Groundwater	VOA	2-Chlorotoluene	95498	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	2-Hexanone	591786	ug/L	0	/	8	2.8375	2.285318	5	4.421113
Groundwater	VOA	4-Chlorotoluene	106434	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	4-Methyl-2-pentanone	108101	ug/L	0	/	8	2.6475	1.961572	5	4.006773
Groundwater	VOA	Acetone	67641	ug/L	2	/	8	7.2625	9.21535	28.200001	13.64829
Groundwater	VOA	Benzene	71432	ug/L	1	/	9	2.27	4.222239	13.5	5.028475
Groundwater	VOA	Bromobenzene	108861	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	Bromochloromethane	74975	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	Bromodichloromethane	75274	ug/L	0	/	9	0.687778	0.313838	1	0.892815
Groundwater	VOA	Bromoform	75252	ug/L	0	/	9	0.724444	0.20947	1	0.861296
Groundwater	VOA	Bromomethane	74839	ug/L	0	/	9	1.288889	0.681551	2	1.73416
Groundwater	VOA	Carbon disulfide	75150	ug/L	2	/	8	0.91375	0.487646	1.3	1.251664
Groundwater	VOA	Carbon tetrachloride	56235	ug/L	0	/	9	0.81	0.380197	1.1	1.058391
Groundwater	VOA	Chlorobenzene	108907	ug/L	0	/	9	0.774556	0.360197	1	1.009879
Groundwater	VOA	Chloroethane	75003	ug/L	0	/	9	1.604444	1.035641	3.6900001	2.28105
Groundwater	VOA	Chloroform	67663	ug/L	0	/	9	0.766667	0.321559	1	0.976748
Groundwater	VOA	Chloromethane	74873	ug/L	0	/	9	1.274444	0.679027	2	1.718067
Groundwater	VOA	cis-1,2-Dichloroethene	156592	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	cis-1,3-Dichloropropene	10061015	ug/L	0	/	9	0.794444	0.343406	1	1.018799
Groundwater	VOA	Dibromochloromethane	124481	ug/L	0	/	9	0.723333	0.310161	1	0.925968
Groundwater	VOA	Dichlorodifluoromethane	75718	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	Ethylbenzene	100414	ug/L	0	/	9	0.941111	0.460066	1.4	1.241682

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Groundwater	VOA	Methylene chloride	75092	ug/L	1	/	9	5.19	9.440294	28.200001	11.35754
Groundwater	VOA	o-Xylene	95476	ug/L	1	/	6	1.346667	0.827204	3	2.008555
Groundwater	VOA	Styrene	100425	ug/L	0	/	9	0.716111	0.372792	1	0.959663
Groundwater	VOA	Tetrachloroethene	127184	ug/L	0	/	9	1.09	0.678565	1.9	1.53332
Groundwater	VOA	Toluene	108883	ug/L	1	/	9	1.165556	1.117733	4	1.895793
Groundwater	VOA	Trans-1,2-Dichloroethene	156605	ug/L	0	/	9	0.777778	0.500069	1.4	1.104483
Groundwater	VOA	Trans-1,3-Dichloropropene	10061026	ug/L	0	/	9	0.95	0.458367	1.4	1.24946
Groundwater	VOA	Trichloroethene	79016	ug/L	0	/	9	0.88	0.38662	1.2	1.132587
Groundwater	VOA	Trichlorofluoromethane	75694	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VOA	Vinyl acetate	108054	ug/L	0	/	8	1.84	0.59637	3.1199999	2.253255
Groundwater	VOA	Vinyl chloride	75014	ug/L	0	/	9	1.036667	0.585107	1.7	1.418929
Groundwater	VOA	Xylenes (total)	1330207	ug/L	2	/	9	1.78	0.545527	2.2	2.136404
Groundwater	VTIC	1,2,4-Trimethylbenzene	95636	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VTIC	Isopropylbenzene	98828	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VTIC	Methane	Methane	ug/L	3	/	4	22	16.43168	43	38.10272
Groundwater	VTIC	n-Butylbenzene	104518	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VTIC	n-Propylbenzene	103651	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VTIC	p-Isopropyl toluene	99876	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VTIC	sec-Butylbenzene	135988	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Groundwater	VTIC	tert-Butyl methyl ether	1634044	ug/L	3	/	8	4.275	4.632109	14.6	7.484824
Groundwater	VTIC	tert-Butylbenzene	98066	ug/L	0	/	1	0.5	#DIV/0!	0.5	#DIV/0!
Sediment											
Sediment	GENX	Acid Volatile Sulfide	AVS	ug/Kg	4	/	4	49025	60291.09	130000	108109.1
Sediment	GENX	Calcium	7440702	ug/Kg	63	/	63	18541905	20394390	117000000	23577930
Sediment	GENX	Cyanide	57125	ug/Kg	0	/	19	250	0	250	#NUM!
Sediment	GENX	pH	1006	pH units	42	/	42	7.857143	0.509492	8.6000004	8.011228
Sediment	GENX	Potassium	7440097	ug/Kg	40	/	63	532585.7	394680.1	2070000	630044.8
Sediment	GENX	Sodium	7440235	ug/Kg	40	/	63	466265.4	477157.8	1680000	584090.9
Sediment	GENX	Total Organic Carbon	STT00680	ug/Kg	35	/	35	11373429	11772720	71700000	15273659
Sediment	METALS	Antimony	7440360	ug/Kg	13	/	56	7225.286	18452.19	100000	12058.11
Sediment	METALS	Arsenic	7440382	ug/Kg	72	/	83	2611.952	1758.092	9000	2990.177
Sediment	METALS	Barium	7440393	ug/Kg	80	/	83	77524.1	48029.86	250000	87856.94
Sediment	METALS	Beryllium	7440417	ug/Kg	8	/	72	530.2069	792.2426	5000	713.202
Sediment	METALS	Cadmium	7440439	ug/Kg	38	/	83	1037	890.3853	5000	1228.552
Sediment	METALS	Chromium	7440473	ug/Kg	80	/	83	129663.9	333566.3	1870000	201425.3

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Sediment	METALS	Chromium (VI)	18540299	ug/Kg	13	/	51	3629.667	8869.908	36000	6064.008
Sediment	METALS	Cobalt	7440484	ug/Kg	53	/	57	12221.14	6900.406	24900	14012.51
Sediment	METALS	Copper	7440508	ug/Kg	69	/	72	54002.78	29565.86	140000	60832.01
Sediment	METALS	Iron	7439896	ug/Kg	69	/	69	26404058	14468052	65200000	29817818
Sediment	METALS	Lead	7439921	ug/Kg	83	/	83	10075.25	17432.73	96100	13825.61
Sediment	METALS	Magnesium	7439954	ug/Kg	63	/	63	8164603	4857019	25500000	9363956
Sediment	METALS	Manganese	7439965	ug/Kg	69	/	69	625869.6	398708.1	2050000	719945.4
Sediment	METALS	Mercury	7439976	ug/Kg	46	/	83	100.0995	145.3234	750	131.3634
Sediment	METALS	Nickel	7440020	ug/Kg	67	/	72	33915.28	44894.49	217000	44285.17
Sediment	METALS	Selenium	7782492	ug/Kg	18	/	75	1066.733	1645.053	10000	1439.036
Sediment	METALS	Silver	7440224	ug/Kg	0	/	36	774.5583	1148.324	4420	1149.67
Sediment	METALS	Tin	7440315	ug/Kg	0	/	3	106066.7	23401.14	122000	132547
Sediment	METALS	Vanadium	7440622	ug/Kg	70	/	72	127415.3	79434.58	399000	145763.4
Sediment	METALS	Zinc	7440666	ug/Kg	70	/	72	129041.7	174655.2	1010000	169384.2
Sediment	PCB	Aroclor-1016	12674112	ug/Kg	0	/	25	16.8004	15.31171	68.599998	22.80247
Sediment	PCB	Aroclor-1221	11104282	ug/Kg	0	/	24	16.33417	15.35018	83.25	22.47539
Sediment	PCB	Aroclor-1232	11141165	ug/Kg	0	/	24	14.47292	15.42068	83.25	20.64235
Sediment	PCB	Aroclor-1242	53469219	ug/Kg	0	/	26	17.08154	17.00404	83.25	23.61755
Sediment	PCB	Aroclor-1248	12672296	ug/Kg	3	/	26	27.35077	42.38113	200	43.64123
Sediment	PCB	Aroclor-1254	11097691	ug/Kg	0	/	26	18.53077	16.77774	83.25	24.9798
Sediment	PCB	Aroclor-1260	11096825	ug/Kg	1	/	25	18.7208	19.63198	100.2	26.41638
Sediment	SVOC	1,2,3-Trichlorobenzene	87616	ug/Kg	0	/	2	8.05	1.202081	8.8999996	9.715966
Sediment	SVOC	1,2,4-Trichlorobenzene	120821	ug/Kg	0	/	81	310.6889	279.9664	2100	371.6581
Sediment	SVOC	1,2-Dichlorobenzene	95501	ug/Kg	0	/	82	301.4049	262.7187	1700	358.2681
Sediment	SVOC	1,2-Diphenylhydrazine	122667	ug/Kg	0	/	4	242.5	92.87088	370	333.5117
Sediment	SVOC	1,3-Dichlorobenzene	541731	ug/Kg	0	/	82	301.4049	262.7187	1700	358.2681
Sediment	SVOC	1,4-Dichlorobenzene	106467	ug/Kg	0	/	81	293.8605	256.964	1700	349.8204
Sediment	SVOC	2,4,5-Trichlorophenol	95954	ug/Kg	0	/	73	472.0671	795.0925	4200	654.4582
Sediment	SVOC	2,4,6-Trichlorophenol	88062	ug/Kg	1	/	73	316.3219	215.2616	900	365.7021
Sediment	SVOC	2,4-Dichlorophenol	120832	ug/Kg	0	/	73	310.5	210.0705	900	358.6893
Sediment	SVOC	2,4-Dimethylphenol	105679	ug/Kg	0	/	73	339.1274	179.6974	900	380.3493
Sediment	SVOC	2,4-Dinitrophenol	51285	ug/Kg	0	/	73	1403.282	1157.228	4520	1668.746
Sediment	SVOC	2,4-Dinitrotoluene	121142	ug/Kg	0	/	79	346.6532	357.5134	3000	425.4895
Sediment	SVOC	2,6-Dinitrotoluene	606202	ug/Kg	0	/	80	351.6862	361.1655	3000	430.8286
Sediment	SVOC	2-Chloronaphthalene	91587	ug/Kg	0	/	80	308.87	261.6312	1700	366.2013

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Sediment	SVOC	2-Chlorophenol	95578	ug/Kg	0	/	72	297.2875	203.5816	900	344.3115
Sediment	SVOC	2-Methylnaphthalene	91576	ug/Kg	0	/	76	326.9605	292.0514	2100	392.6204
Sediment	SVOC	2-Methylphenol	95487	ug/Kg	0	/	73	306.663	212.2593	900	355.3545
Sediment	SVOC	2-Nitroaniline	88744	ug/Kg	0	/	76	1373.359	1181.111	4520	1638.9
Sediment	SVOC	2-Nitrophenol	88755	ug/Kg	0	/	73	315.8247	211.6983	900	364.3874
Sediment	SVOC	3,3'-Dichlorobenzidine	91941	ug/Kg	0	/	80	1017.031	1382.847	11000	1320.055
Sediment	SVOC	3-Nitroaniline	99092	ug/Kg	0	/	76	1429.387	1281.319	6400	1717.457
Sediment	SVOC	4,6-Dinitro-2-methylphenol	534521	ug/Kg	0	/	73	1401.815	1158.951	4520	1667.674
Sediment	SVOC	4-Bromophenyl phenylether	101553	ug/Kg	0	/	80	337.9625	365.7082	3000	418.1003
Sediment	SVOC	4-Chloro-3-methylphenol	59507	ug/Kg	0	/	72	301.2431	200.2	900	347.486
Sediment	SVOC	4-Chloroaniline	106478	ug/Kg	0	/	76	401.2079	729.8481	6400	565.2945
Sediment	SVOC	4-Chlorophenyl-phenylether	7005723	ug/Kg	0	/	80	320.9725	287.2758	2100	383.9233
Sediment	SVOC	4-Methylphenol	106445	ug/Kg	0	/	73	302.5384	215.8457	900	352.0525
Sediment	SVOC	4-Nitroaniline	100016	ug/Kg	0	/	76	1381.111	1172.448	4520	1644.704
Sediment	SVOC	4-Nitrophenol	100027	ug/Kg	0	/	72	1359.487	1114.368	4520	1616.888
Sediment	SVOC	7,12-Dimethylbenz(a)anthracene	57976	ug/Kg	0	/	25	71.274	12.72205	83.25	76.26095
Sediment	SVOC	9H-Carbazole	86748	ug/Kg	0	/	6	525.3333	352.9304	870	807.7309
Sediment	SVOC	Acenaphthene	83329	ug/Kg	0	/	79	301.8544	255.3866	1700	358.1705
Sediment	SVOC	Acenaphthylene	208968	ug/Kg	0	/	80	309.0013	261.5237	1700	366.309
Sediment	SVOC	Anthracene	120127	ug/Kg	0	/	80	307.9112	262.5541	1700	365.4448
Sediment	SVOC	Benzidine	92875	ug/Kg	0	/	4	4925	1855.398	7500	6743.253
Sediment	SVOC	Benzo(a)anthracene	56553	ug/Kg	0	/	80	317.8275	289.9626	2100	381.3671
Sediment	SVOC	Benzo(a)pyrene	50328	ug/Kg	8	/	80	328.75	349.6372	3000	405.3661
Sediment	SVOC	Benzo(b)fluoranthene	205992	ug/Kg	8	/	80	320.8037	264.7046	2100	378.8085
Sediment	SVOC	Benzo(g,h,i)perylene	191242	ug/Kg	11	/	80	495.245	1157.142	10000	748.81
Sediment	SVOC	Benzo(k)fluoranthene	207089	ug/Kg	0	/	80	322.2513	286.2948	2100	384.9871
Sediment	SVOC	Benzoic acid	65850	ug/Kg	1	/	72	1550.989	2203.105	18000	2059.87
Sediment	SVOC	Benzyl alcohol	100516	ug/Kg	0	/	72	444.5208	458.5865	3000	550.4468
Sediment	SVOC	Bis(2-chloroethoxy)methane	111911	ug/Kg	0	/	80	309.4425	261.114	1700	366.6605
Sediment	SVOC	Bis(2-chloroethyl)ether	111444	ug/Kg	0	/	80	314.58	257.381	1700	370.98
Sediment	SVOC	Bis(2-chloroisopropyl)ether	108601	ug/Kg	0	/	80	311.0262	260.1417	1700	368.0312
Sediment	SVOC	Bis(2-ethylhexyl)phthalate	117817	ug/Kg	1	/	80	332.5162	246.6706	2100	386.5692
Sediment	SVOC	Butylbenzyl phthalate	85687	ug/Kg	0	/	80	321.675	286.615	2100	384.481
Sediment	SVOC	Chrysene	218019	ug/Kg	8	/	80	312.0412	270.1553	2100	371.2405
Sediment	SVOC	Dibenz(a,h)anthracene	53703	ug/Kg	2	/	80	345.8975	400.9236	3400	433.752

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Sediment	SVOC	Dibenzofuran	132649	ug/Kg	0	/	76	331.4224	337.3417	2600	407.2645
Sediment	SVOC	Diethylphthalate	84662	ug/Kg	0	/	80	422.215	350.6337	1700	499.0495
Sediment	SVOC	Dimethylphthalate	131113	ug/Kg	0	/	80	311.1412	259.6302	1700	368.0341
Sediment	SVOC	Di-n-butylphthalate	84742	ug/Kg	1	/	80	314.1012	257.4684	1700	370.5204
Sediment	SVOC	Di-n-octyl phthalate	117840	ug/Kg	0	/	80	342.3475	362.5545	3000	421.7942
Sediment	SVOC	Fluoranthene	206440	ug/Kg	0	/	80	312.1612	258.6401	1700	368.8371
Sediment	SVOC	Fluorene	86737	ug/Kg	3	/	80	328.76	264.2923	1700	386.6745
Sediment	SVOC	Hexachlorobenzene	118741	ug/Kg	0	/	80	319.275	288.6716	2100	382.5317
Sediment	SVOC	Hexachlorobutadiene	87683	ug/Kg	0	/	82	335.7756	361.0457	3000	413.9209
Sediment	SVOC	Hexachlorocyclopentadiene	77474	ug/Kg	0	/	80	1146.615	2428.775	21000	1678.833
Sediment	SVOC	Hexachloroethane	67721	ug/Kg	0	/	80	320	288.6954	2100	383.2619
Sediment	SVOC	Indeno(1,2,3-CD)pyrene	193395	ug/Kg	5	/	80	347.1362	407.9596	3400	436.5326
Sediment	SVOC	Isophorone	78591	ug/Kg	0	/	80	312.4475	258.3931	1700	369.0693
Sediment	SVOC	Naphthalene	91203	ug/Kg	0	/	82	306.4732	258.7401	1700	362.4753
Sediment	SVOC	Nitrobenzene	98953	ug/Kg	0	/	80	312.1012	258.7475	1700	368.8007
Sediment	SVOC	n-Nitrosodimethylamine	62759	ug/Kg	0	/	4	242.5	92.87088	370	333.5117
Sediment	SVOC	n-nitroso-1-propyl-1-propanamine	621647	ug/Kg	0	/	79	314.3494	282.5571	2100	376.6568
Sediment	SVOC	n-Nitrosodiphenylamine	86306	ug/Kg	0	/	80	305.3438	264.9081	1700	363.3932
Sediment	SVOC	Pentachlorophenol	87865	ug/Kg	0	/	72	1353.576	1121.217	4520	1612.559
Sediment	SVOC	Phenanthrene	85018	ug/Kg	4	/	80	302.4538	252.6777	1700	357.8231
Sediment	SVOC	Phenol	108952	ug/Kg	0	/	72	298.8111	202.9089	900	345.6797
Sediment	SVOC	Pyrene	129000	ug/Kg	5	/	79	287.9266	242.0517	1700	341.3021
Sediment	SVOC	Pyridine	110861	ug/Kg	1	/	66	410.0659	337.154	900	491.4058
Sediment	SVOC	Total PAHs	-	ug/Kg	11	/	80	4072	3486	26300	4835.89
Sediment	VOA	1,1,1,2-Tetrachloroethane	630206	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VOA	1,1,1-Trichloroethane	71556	ug/Kg	14	/	81	153.2729	936.1085	6000	357.1324
Sediment	VOA	1,1,2,2-Tetrachloroethane	79345	ug/Kg	0	/	81	154.3487	935.9337	6000	358.1703
Sediment	VOA	1,1,2-Trichloroethane	79005	ug/Kg	0	/	81	154.3326	935.9363	6000	358.1547
Sediment	VOA	1,1,2-Trichlorotrifluoroethane	76131	ug/Kg	0	/	2	3.2	0.424264	3.5	3.787988
Sediment	VOA	1,1-Dichloroethane	75343	ug/Kg	1	/	81	154.1611	935.9643	6000	357.9892
Sediment	VOA	1,1-Dichloroethene	75354	ug/Kg	0	/	80	156.0301	941.7167	6000	362.3888
Sediment	VOA	1,1-Dichloropropene	563586	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VOA	1,2,3-Trichloropropane	96184	ug/Kg	0	/	2	3.2	0.424264	3.5	3.787988
Sediment	VOA	1,2-Dibromo-3-chloropropane	96128	ug/Kg	0	/	2	8.05	1.202081	8.8999996	9.715966
Sediment	VOA	1,2-Dibromoethane	106934	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Sediment	VOA	1,2-Dibromomethane	74953	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VOA	1,2-Dichloroethane	107062	ug/Kg	2	/	81	154.3177	935.9387	6000	358.1403
Sediment	VOA	1,2-Dichloroethene (total)	540590	ug/Kg	0	/	4	11.225	2.266238	13	13.44587
Sediment	VOA	1,2-Dichloropropane	78875	ug/Kg	0	/	81	154.386	935.9276	6000	358.2062
Sediment	VOA	1,3,5-Trimethylbenzene	108678	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VOA	1,3-Dichloropropane	142289	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VOA	2,2-Dichloropropane	594207	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VOA	2-Butanone	78933	ug/Kg	27	/	81	1561.8	9676.443	62000	3669.072
Sediment	VOA	2-Chloroethyl vinyl ether	110758	ug/Kg	0	/	77	177.2643	957.4484	6000	391.1183
Sediment	VOA	2-Chlorotoluene	95498	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VOA	2-Hexanone	591786	ug/Kg	0	/	81	1562.209	9676.377	62000	3669.468
Sediment	VOA	4-Chlorotoluene	106434	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VOA	4-Methyl-2-pentanone	108101	ug/Kg	0	/	81	1562.336	9676.357	62000	3669.589
Sediment	VOA	Acetone	67641	ug/Kg	50	/	81	3185.922	19503.34	125000	7433.231
Sediment	VOA	Acrolein	107028	ug/Kg	0	/	2	80.5	12.02082	89	97.15967
Sediment	VOA	Acrylonitrile	107131	ug/Kg	0	/	2	8.05	1.202081	8.8999996	9.715966
Sediment	VOA	Benzene	71432	ug/Kg	7	/	80	177.869	950.6954	6000	386.1952
Sediment	VOA	Bromobenzene	108861	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VOA	Bromochloromethane	74975	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VOA	Bromodichloromethane	75274	ug/Kg	1	/	81	154.3958	935.9277	6000	358.216
Sediment	VOA	Bromoethane	74964	ug/Kg	0	/	2	3.2	0.424264	3.5	3.787988
Sediment	VOA	Bromoform	75252	ug/Kg	0	/	81	154.1887	935.9599	6000	358.0159
Sediment	VOA	Bromomethane	74839	ug/Kg	0	/	81	307.2672	1872.076	12000	714.9556
Sediment	VOA	Carbon disulfide	75150	ug/Kg	20	/	81	156.8889	935.5788	6000	360.6331
Sediment	VOA	Carbon tetrachloride	56235	ug/Kg	0	/	81	154.234	935.9525	6000	358.0596
Sediment	VOA	Chlorobenzene	108907	ug/Kg	0	/	80	155.9727	941.7263	6000	362.3334
Sediment	VOA	Chloroethane	75003	ug/Kg	0	/	81	307.4048	1872.053	12000	715.0883
Sediment	VOA	Chloroform	67663	ug/Kg	0	/	81	155.8395	935.6997	6000	359.6101
Sediment	VOA	Chloromethane	74873	ug/Kg	0	/	81	307.3156	1872.068	12000	715.0022
Sediment	VOA	cis-1,2-Dichloroethene	156592	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VOA	cis-1,3-Dichloropropene	10061015	ug/Kg	0	/	81	154.3003	935.9416	6000	358.1235
Sediment	VOA	Dibromochloromethane	124481	ug/Kg	0	/	81	154.2242	935.9541	6000	358.0502
Sediment	VOA	Ethylbenzene	100414	ug/Kg	0	/	81	154.2408	935.9514	6000	358.0661
Sediment	VOA	Iodomethane	74884	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VOA	Methylene chloride	75092	ug/Kg	7	/	81	159.6351	935.1579	6000	363.2876

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Sediment	VOA	o-Xylene	95476	ug/Kg	3	/	27	1.143481	1.102306	3.4100001	1.559265
Sediment	VOA	Styrene	100425	ug/Kg	0	/	81	154.2227	935.9543	6000	358.0487
Sediment	VOA	Tetrachloroethene	127184	ug/Kg	1	/	81	154.3995	935.9255	6000	358.2193
Sediment	VOA	Toluene	108883	ug/Kg	6	/	80	156.2128	941.6907	6000	362.5658
Sediment	VOA	Trans-1,2-Dichloroethene	156605	ug/Kg	0	/	77	160.8811	959.8061	6000	375.2617
Sediment	VOA	Trans-1,3-Dichloropropene	10061026	ug/Kg	0	/	81	154.2763	935.9456	6000	358.1004
Sediment	VOA	Trans-1,4-dichloro-2-butene	110576	ug/Kg	0	/	2	8.05	1.202081	8.8999996	9.715966
Sediment	VOA	Trichloroethene	79016	ug/Kg	0	/	80	156.0752	941.7094	6000	362.4323
Sediment	VOA	Trichlorofluoromethane	75694	ug/Kg	0	/	2	3.2	0.424264	3.5	3.787988
Sediment	VOA	Vinyl acetate	108054	ug/Kg	1	/	81	1558.589	9676.955	62000	3665.973
Sediment	VOA	Vinyl chloride	75014	ug/Kg	0	/	81	307.2614	1872.077	12000	714.95
Sediment	VOA	Xylenes (total)	1330207	ug/Kg	5	/	81	154.9226	935.8419	6000	358.7242
Sediment	VTIC	1,2,4-Trimethylbenzene	95636	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VTIC	Isopropylbenzene	98828	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VTIC	n-Butylbenzene	104518	ug/Kg	0	/	2	3.2	0.424264	3.5	3.787988
Sediment	VTIC	n-Propylbenzene	103651	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VTIC	p-Isopropyl toluene	99876	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VTIC	sec-Butylbenzene	135988	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Sediment	VTIC	tert-Butyl methyl ether	1634044	ug/Kg	2	/	54	11.4137	11.58063	27	14.50245
Sediment	VTIC	tert-Butylbenzene	98066	ug/Kg	0	/	2	1.6	0.282843	1.8	1.991992
Surfacewater											
Surfacewater	DISMET	Antimony, Dissolved	7440360	ug/L	0	/	44	43.09227	37.92387	100	54.29784
Surfacewater	DISMET	Arsenic, Dissolved	7440382	ug/L	3	/	44	5.047727	3.022512	18.9	5.940805
Surfacewater	DISMET	Barium, Dissolved	7440393	ug/L	41	/	47	258.1043	205.8617	730	316.958
Surfacewater	DISMET	Beryllium, Dissolved	7440417	ug/L	0	/	44	4.376818	1.181359	5	4.72588
Surfacewater	DISMET	Cadmium, Dissolved	7440439	ug/L	0	/	44	3.200682	2.192452	5	3.848497
Surfacewater	DISMET	Chromium (VI), Dissolved	18540299	ug/L	0	/	31	8.83871	1.845658	10	9.488417
Surfacewater	DISMET	Chromium, Dissolved	7440473	ug/L	1	/	44	6.552727	4.272297	10	7.815085
Surfacewater	DISMET	Cobalt, Dissolved	7440484	ug/L	1	/	32	10.67062	12.58517	30	15.03108
Surfacewater	DISMET	Copper, Dissolved	7440508	ug/L	0	/	44	6.783182	3.917963	10	7.940843
Surfacewater	DISMET	Iron, Dissolved	7439896	ug/L	16	/	28	784.7143	1870.432	9000	1477.518
Surfacewater	DISMET	Lead, Dissolved	7439921	ug/L	3	/	44	2.647273	1.433182	10	3.070743
Surfacewater	DISMET	Magnesium, Dissolved	7439954	ug/L	28	/	28	26638.57	14397.83	58000	31971.49
Surfacewater	DISMET	Manganese, Dissolved	7439965	ug/L	36	/	40	392.78	482.4554	2560	542.2915
Surfacewater	DISMET	Mercury, Dissolved	7439976	ug/L	1	/	41	0.156195	0.076262	0.38	0.179539

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Surfacewater	DISMET	Nickel, Dissolved	7440020	ug/L	20	/	44	116.2989	222.09	1100	181.921
Surfacewater	DISMET	Selenium, Dissolved	7782492	ug/L	6	/	44	7.545227	10.34915	58.700001	10.60314
Surfacewater	DISMET	Silver, Dissolved	7440224	ug/L	0	/	22	2.542273	3.618662	10	4.054385
Surfacewater	DISMET	Thallium, Dissolved	7440280	ug/L	0	/	4	2000	0	2000	#NUM!
Surfacewater	DISMET	Vanadium, Dissolved	7440622	ug/L	24	/	44	137.1784	200.9422	800	196.5519
Surfacewater	DISMET	Zinc, Dissolved	7440666	ug/L	32	/	44	83.60909	69.93256	310	104.2724
Surfacewater	GENX	Alkalinity, Bicarb.	477923700	ug/L	41	/	41	248070.7	203485.3	939000	310356.5
Surfacewater	GENX	Alkalinity, Carb.	477730600	ug/L	0	/	41	2731.707	1529.287	5000	3199.814
Surfacewater	GENX	Alkalinity, Total	477520600	ug/L	29	/	29	204893.1	118350.4	486000	247967.4
Surfacewater	GENX	Ammonia as NH3	ammonia NH3	ug/L	17	/	29	576.1552	1105.544	5300	978.524
Surfacewater	GENX	AMMONIA as NH3, Total	NH3 total	ug/L	12	/	12	906.6667	1101.39	4060	1529.825
Surfacewater	GENX	AVS Distillation	AVS	ug/L	0	/	4	100	0	100	#NUM!
Surfacewater	GENX	Calcium	7440702	ug/L	38	/	38	86026.32	44323.59	161000	100118.9
Surfacewater	GENX	Calcium, Dissolved	7440702	ug/L	28	/	28	60882.14	28479.64	124000	71430.94
Surfacewater	GENX	Calcium, Total	7440702	ug/L	11	/	11	92827.27	43814.54	194000	118719.5
Surfacewater	GENX	Chloride	1003	ug/L	41	/	41	212553.7	226037.5	1290000	281742.5
Surfacewater	GENX	Nitrate as N	25900	ug/L	15	/	41	798.9878	1704.041	7400	1320.585
Surfacewater	GENX	Nitrite as N	Nitrite as N	ug/L	13	/	41	54.23171	60.41245	240	72.72362
Surfacewater	GENX	Nitrogen-TKN	STT00625	ug/L	35	/	41	2289.024	2048.02	10100	2915.912
Surfacewater	GENX	Orthophosphate as P	226750800	ug/L	34	/	38	527.2237	502.7808	1800	687.0817
Surfacewater	GENX	pH	1006	(blank)	18	/	18	7.377778	0.262467	7.8000002	7.499029
Surfacewater	GENX	Phosphorus	P	ug/L	20	/	20	1415	538.9512	2280	1651.201
Surfacewater	GENX	Phosphorus, Total	P-tot	ug/L	19	/	21	350.381	252.3946	910	458.3298
Surfacewater	GENX	Potassium	7440097	ug/L	31	/	38	7497.345	5752.069	24000	9326.202
Surfacewater	GENX	Potassium, Dissolved	7440097	ug/L	19	/	28	4420.557	3089.708	11100	5564.978
Surfacewater	GENX	Potassium, Total	7440097	ug/L	4	/	11	6054.545	2609.737	11800	7596.771
Surfacewater	GENX	Salinity	Q851	(blank)	3	/	3	0.32	0.075498	0.39	0.405433
Surfacewater	GENX	Sodium	7440235	ug/L	37	/	37	137581.1	105522.1	350000	171581.9
Surfacewater	GENX	Sodium, Dissolved	7440235	ug/L	28	/	28	112957.1	108683.9	432000	153213.4
Surfacewater	GENX	Sodium, Total	7440235	ug/L	11	/	11	234081.8	141901	517000	317938.3
Surfacewater	GENX	Sulfate	3035	ug/L	37	/	41	183790.2	196945	600000	244074
Surfacewater	GENX	Sulfide	18496258	ug/L	22	/	38	1011.842	2302.486	9500	1743.912
Surfacewater	GENX	Sulfide, Total	18496258	ug/L	0	/	3	50	0	50	#NUM!
Surfacewater	GENX	Total Dissolved Solids	tds	ug/L	41	/	41	857707.3	610586.7	3060000	1044605
Surfacewater	GENX	Total Organic Carbon	STT00680	ug/L	41	/	41	12258.29	14653.19	80700	16743.55

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Surfacewater	GENX	Total Solids (residue)	Q597	ug/L	18	/	18	420000	235307.1	1140000	528704.2
Surfacewater	GENX	Total Suspended Solids	Q595	ug/L	16	/	18	84666.67	196939.2	843000	175646.1
Surfacewater	PCB	Aroclor-1016	12674112	ug/L	0	/	11	0.340091	0.126786	0.5	0.415015
Surfacewater	PCB	Aroclor-1221	11104282	ug/L	0	/	11	0.322909	0.143037	0.5	0.407437
Surfacewater	PCB	Aroclor-1232	11141165	ug/L	0	/	11	0.318	0.148426	0.5	0.405713
Surfacewater	PCB	Aroclor-1242	53469219	ug/L	0	/	11	0.374182	0.111812	0.5	0.440257
Surfacewater	PCB	Aroclor-1248	12672296	ug/L	0	/	11	0.348273	0.120811	0.5	0.419666
Surfacewater	PCB	Aroclor-1254	11097691	ug/L	0	/	11	0.303	0.166452	0.5	0.401365
Surfacewater	PCB	Aroclor-1260	11096825	ug/L	0	/	11	0.331909	0.133965	0.5	0.411076
Surfacewater	SVOC	1,2,4-Trichlorobenzene	120821	ug/L	0	/	48	8.2325	14.1499	100	12.23545
Surfacewater	SVOC	1,2-Dichlorobenzene	95501	ug/L	0	/	48	8.275625	14.1395	100	12.27563
Surfacewater	SVOC	1,3-Dichlorobenzene	541731	ug/L	0	/	48	8.175625	14.18178	100	12.18759
Surfacewater	SVOC	1,4-Dichlorobenzene	106467	ug/L	0	/	48	8.184375	14.17925	100	12.19563
Surfacewater	SVOC	2,4,5-Trichlorophenol	95954	ug/L	0	/	43	20.77488	75.77838	500	43.42438
Surfacewater	SVOC	2,4,6-Trichlorophenol	88062	ug/L	0	/	43	9.653721	14.53236	100	13.99732
Surfacewater	SVOC	2,4-Dichlorophenol	120832	ug/L	0	/	43	9.257209	14.64419	100	13.63423
Surfacewater	SVOC	2,4-Dimethylphenol	105679	ug/L	0	/	43	9.232093	14.62744	100	13.60411
Surfacewater	SVOC	2,4-Dinitrophenol	51285	ug/L	0	/	43	41.41395	75.40488	500	63.95181
Surfacewater	SVOC	2,4-Dinitrotoluene	121142	ug/L	0	/	48	8.473125	14.04847	100	12.44738
Surfacewater	SVOC	2,6-Dinitrotoluene	606202	ug/L	0	/	48	8.739375	13.95503	100	12.6872
Surfacewater	SVOC	2-Chloronaphthalene	91587	ug/L	0	/	48	8.1625	14.18947	100	12.17664
Surfacewater	SVOC	2-Chlorophenol	95578	ug/L	0	/	43	8.863256	14.79972	100	13.28676
Surfacewater	SVOC	2-Methylnaphthalene	91576	ug/L	0	/	45	8.592	14.55798	100	12.84546
Surfacewater	SVOC	2-Methylphenol	95487	ug/L	0	/	43	8.903256	14.7751	100	13.3194
Surfacewater	SVOC	2-Nitroaniline	88744	ug/L	0	/	45	40.46973	74.05841	500	62.10766
Surfacewater	SVOC	2-Nitrophenol	88755	ug/L	0	/	43	8.770233	14.83698	100	13.20488
Surfacewater	SVOC	3,3'-Dichlorobenzidine	91941	ug/L	0	/	48	18.20188	28.89223	200	26.37537
Surfacewater	SVOC	3-Nitroaniline	99092	ug/L	0	/	45	40.952	73.8026	500	62.51518
Surfacewater	SVOC	4,6-Dinitro-2-methylphenol	534521	ug/L	0	/	43	42.01884	75.09306	500	64.4635
Surfacewater	SVOC	4-Bromophenyl phenylether	101553	ug/L	0	/	48	8.357125	14.10771	100	12.34814
Surfacewater	SVOC	4-Chloro-3-methylphenol	59507	ug/L	0	/	43	8.816047	14.81212	100	13.24326
Surfacewater	SVOC	4-Chloroaniline	106478	ug/L	0	/	45	9.29	14.23739	100	13.44979
Surfacewater	SVOC	4-Chlorophenyl-phenylether	7005723	ug/L	0	/	48	8.150875	14.19361	100	12.16619
Surfacewater	SVOC	4-Methylphenol	106445	ug/L	1	/	42	6.767857	3.99675	10	7.976589
Surfacewater	SVOC	4-Nitroaniline	100016	ug/L	0	/	45	40.90333	73.82579	500	62.47329

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Surfacewater	SVOC	4-Nitrophenol	100027	ug/L	0	/	43	41.55907	75.32789	500	64.07392
Surfacewater	SVOC	7,12-Dimethylbenz(a)anthracene	57976	ug/L	0	/	18	3.95	2.212332	6.0999999	4.972025
Surfacewater	SVOC	Acenaphthene	83329	ug/L	0	/	48	8.3975	14.07071	100	12.37805
Surfacewater	SVOC	Acenaphthylene	208968	ug/L	0	/	48	8.190625	14.17662	100	12.20113
Surfacewater	SVOC	Anthracene	120127	ug/L	0	/	48	8.12875	14.20405	100	12.14702
Surfacewater	SVOC	Benzo(a)anthracene	56553	ug/L	0	/	48	8.13875	14.19677	100	12.15496
Surfacewater	SVOC	Benzo(a)pyrene	50328	ug/L	0	/	48	8.214375	14.17367	100	12.22405
Surfacewater	SVOC	Benzo(b)fluoranthene	205992	ug/L	0	/	48	8.213125	14.1656	100	12.22052
Surfacewater	SVOC	Benzo(g,h,i)perylene	191242	ug/L	0	/	48	8.315	14.13983	100	12.3151
Surfacewater	SVOC	Benzo(k)fluoranthene	207089	ug/L	0	/	48	8.325625	14.11751	100	12.31941
Surfacewater	SVOC	Benzoic acid	65850	ug/L	0	/	40	29.6175	24.01364	50	37.05926
Surfacewater	SVOC	Benzyl alcohol	100516	ug/L	0	/	41	9.887805	8.005723	20	12.33831
Surfacewater	SVOC	Bis(2-chloroethoxy)methane	111911	ug/L	0	/	48	8.241625	14.15496	100	12.24601
Surfacewater	SVOC	Bis(2-chloroethyl)ether	111444	ug/L	0	/	48	8.36	14.10022	100	12.3489
Surfacewater	SVOC	Bis(2-chloroisopropyl)ether	108601	ug/L	0	/	48	8.254375	14.14952	100	12.25722
Surfacewater	SVOC	Bis(2-ethylhexyl)phthalate	117817	ug/L	3	/	48	12.45417	13.93083	100	16.39514
Surfacewater	SVOC	Butylbenzyl phthalate	85687	ug/L	1	/	48	8.258333	14.14019	100	12.25854
Surfacewater	SVOC	Chrysene	218019	ug/L	0	/	48	8.49875	14.04305	100	12.47147
Surfacewater	SVOC	Dibenz(a,h)anthracene	53703	ug/L	0	/	48	8.31875	14.1361	100	12.3178
Surfacewater	SVOC	Dibenzofuran	132649	ug/L	0	/	45	8.4284	14.63864	100	12.70543
Surfacewater	SVOC	Diethylphthalate	84662	ug/L	0	/	48	8.27575	14.13187	100	12.2736
Surfacewater	SVOC	Dimethylphthalate	131113	ug/L	0	/	48	8.3225	14.12457	100	12.31829
Surfacewater	SVOC	Di-n-butylphthalate	84742	ug/L	4	/	48	8.643125	14.01607	100	12.60821
Surfacewater	SVOC	Di-n-octyl phthalate	117840	ug/L	0	/	48	8.4825	14.04902	100	12.45691
Surfacewater	SVOC	Fluoranthene	206440	ug/L	0	/	48	8.2475	14.14571	100	12.24926
Surfacewater	SVOC	Fluorene	86737	ug/L	0	/	48	8.208125	14.16745	100	12.21604
Surfacewater	SVOC	Hexachlorobenzene	118741	ug/L	0	/	48	8.3725	14.09165	100	12.35897
Surfacewater	SVOC	Hexachlorobutadiene	87683	ug/L	0	/	48	8.429375	14.06911	100	12.40947
Surfacewater	SVOC	Hexachlorocyclopentadiene	77474	ug/L	0	/	48	9.604167	16.64714	100	14.31358
Surfacewater	SVOC	Hexachloroethane	67721	ug/L	0	/	48	8.22625	14.15449	100	12.2305
Surfacewater	SVOC	Indeno(1,2,3-CD)pyrene	193395	ug/L	0	/	48	8.414375	14.08401	100	12.39869
Surfacewater	SVOC	Isophorone	78591	ug/L	0	/	48	8.34375	14.10764	100	12.33474
Surfacewater	SVOC	Naphthalene	91203	ug/L	0	/	48	8.245	14.14872	100	12.24762
Surfacewater	SVOC	Nitrobenzene	98953	ug/L	0	/	48	8.28	14.13527	100	12.27881
Surfacewater	SVOC	n-nitroso-1-propyl-1-propanamine	621647	ug/L	0	/	47	8.235745	14.28376	100	12.31932

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Surfacewater	SVOC	n-Nitrosodiphenylamine	86306	ug/L	0	/	48	8.35625	14.08968	100	12.34216
Surfacewater	SVOC	Pentachlorophenol	87865	ug/L	0	/	42	41.11643	76.35658	500	64.20884
Surfacewater	SVOC	Phenanthrene	85018	ug/L	0	/	48	8.339375	14.0969	100	12.32733
Surfacewater	SVOC	Phenol	108952	ug/L	0	/	41	6.621707	4.110859	10	7.880019
Surfacewater	SVOC	Pyrene	129000	ug/L	0	/	48	8.2	14.16656	100	12.20766
Surfacewater	SVOC	Pyridine	110861	ug/L	0	/	41	7.770976	4.143459	20	9.039266
Surfacewater	TOTMET	Antimony, Total	7440360	ug/L	0	/	42	46.56143	38.29971	100	58.14435
Surfacewater	TOTMET	Arsenic, Total	7440382	ug/L	6	/	48	4.605	1.652081	11	5.072367
Surfacewater	TOTMET	Barium, Total	7440393	ug/L	28	/	45	86.78889	283.262	1900	169.5506
Surfacewater	TOTMET	Beryllium, Total	7440417	ug/L	1	/	45	3.833778	1.714456	7	4.334697
Surfacewater	TOTMET	Cadmium, Total	7440439	ug/L	0	/	45	3.599778	2.16617	10	4.232676
Surfacewater	TOTMET	Chromium (VI), Total	18540299	ug/L	2	/	32	8.9375	1.882646	11	9.589791
Surfacewater	TOTMET	Chromium, Total	7440473	ug/L	17	/	48	25.73729	89.92497	630	51.17671
Surfacewater	TOTMET	Cobalt, Total	7440484	ug/L	2	/	33	18.0497	45.20278	260	33.47223
Surfacewater	TOTMET	Copper, Total	7440508	ug/L	13	/	45	43.40444	192.6872	1300	99.70259
Surfacewater	TOTMET	Iron, Total	7439896	ug/L	48	/	51	5087.186	10744.79	52500	8036.089
Surfacewater	TOTMET	Lead, Total	7439921	ug/L	13	/	46	11.60261	54.13409	370	27.2463
Surfacewater	TOTMET	Magnesium, Total	7439954	ug/L	49	/	49	40220	36246.92	256000	50368.94
Surfacewater	TOTMET	Manganese, Total	7439965	ug/L	40	/	41	521.988	512.6722	2670	678.9142
Surfacewater	TOTMET	Mercury, Total	7439976	ug/L	2	/	48	0.168333	0.159913	0.88	0.213572
Surfacewater	TOTMET	Nickel, Total	7440020	ug/L	30	/	45	153.0444	246.252	1200	224.9928
Surfacewater	TOTMET	Selenium, Total	7782492	ug/L	2	/	45	5.528444	6.839133	50	7.52666
Surfacewater	TOTMET	Silver, Total	7440224	ug/L	0	/	19	4.197895	5.054165	20	6.470479
Surfacewater	TOTMET	Thallium, Total	7440280	ug/L	0	/	4	2500	1000	4000	3479.981
Surfacewater	TOTMET	Vanadium, Total	7440622	ug/L	33	/	45	293.9089	763.0244	5100	516.8446
Surfacewater	TOTMET	Zinc, Total	7440666	ug/L	31	/	42	145.119	395.3531	2600	264.6851
Surfacewater	VOA	1,1,1-Trichloroethane	71556	ug/L	0	/	50	4.4084	6.94188	50	6.332553
Surfacewater	VOA	1,1,2,2-Tetrachloroethane	79345	ug/L	0	/	50	4.3016	6.996461	50	6.240881
Surfacewater	VOA	1,1,2-Trichloroethane	79005	ug/L	0	/	50	4.292	7.001449	50	6.232664
Surfacewater	VOA	1,1-Dichloroethane	75343	ug/L	0	/	50	4.2968	6.999004	50	6.236787
Surfacewater	VOA	1,1-Dichloroethene	75354	ug/L	0	/	50	4.5086	6.894851	50	6.419717
Surfacewater	VOA	1,2-Dichloroethane	107062	ug/L	0	/	50	4.2104	7.046191	50	6.163466
Surfacewater	VOA	1,2-Dichloroethene (total)	540590	ug/L	0	/	4	5	0	5	#NUM!
Surfacewater	VOA	1,2-Dichloropropane	78875	ug/L	0	/	50	4.3478	6.97174	50	6.280229
Surfacewater	VOA	2-Butanone	78933	ug/L	1	/	50	34.8478	70.83702	500	54.48243

Table 4-1

Site-Wide Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Media		Analyte	CAS	UNIT	Detection Frequency			Mean	StdDev	Max	UCL95
Surfacewater	VOA	2-Chloroethyl vinyl ether	110758	ug/L	0	/	46	5.453478	7.384366	50	7.587416
Surfacewater	VOA	2-Hexanone	591786	ug/L	0	/	47	35.9617	72.9982	500	56.83114
Surfacewater	VOA	4-Methyl-2-pentanone	108101	ug/L	0	/	47	35.89021	73.02644	500	56.76772
Surfacewater	VOA	Acetone	67641	ug/L	6	/	50	67.73	142.3985	1000	107.2001
Surfacewater	VOA	Benzene	71432	ug/L	12	/	71	13.52499	49.31976	370	24.99699
Surfacewater	VOA	Bromodichloromethane	75274	ug/L	1	/	50	4.288	7.003733	50	6.229297
Surfacewater	VOA	Bromoform	75252	ug/L	0	/	50	4.3172	6.986346	50	6.253678
Surfacewater	VOA	Bromomethane	74839	ug/L	0	/	50	8.584	14.00297	100	12.46535
Surfacewater	VOA	Carbon disulfide	75150	ug/L	3	/	50	9.1686	20.81362	120	14.93773
Surfacewater	VOA	Carbon tetrachloride	56235	ug/L	0	/	50	4.3934	6.95021	50	6.319862
Surfacewater	VOA	Chlorobenzene	108907	ug/L	0	/	50	4.36826	6.962696	50	6.298182
Surfacewater	VOA	Chloroethane	75003	ug/L	0	/	50	8.7604	13.92043	100	12.61887
Surfacewater	VOA	Chloroform	67663	ug/L	1	/	50	4.348	6.972287	50	6.280581
Surfacewater	VOA	Chloromethane	74873	ug/L	0	/	50	8.5762	14.00705	100	12.45868
Surfacewater	VOA	cis-1,3-Dichloropropene	10061015	ug/L	0	/	50	4.379	6.956628	50	6.307241
Surfacewater	VOA	Dibromochloromethane	124481	ug/L	0	/	50	4.3226	6.985279	50	6.258782
Surfacewater	VOA	Ethylbenzene	100414	ug/L	5	/	74	9.107824	35.38803	282	17.17066
Surfacewater	VOA	Methylene chloride	75092	ug/L	4	/	50	5.7386	7.605795	50	7.846777
Surfacewater	VOA	o-Xylene	95476	ug/L	1	/	26	10.84077	51.22823	262	30.53188
Surfacewater	VOA	Styrene	100425	ug/L	0	/	47	4.181596	7.155161	50	6.227183
Surfacewater	VOA	Tetrachloroethene	127184	ug/L	0	/	50	4.5926	6.861027	50	6.494342
Surfacewater	VOA	Toluene	108883	ug/L	8	/	74	6.354216	16.73848	130	10.16793
Surfacewater	VOA	Trans-1,2-Dichloroethene	156605	ug/L	0	/	46	4.384783	7.218886	50	6.4709
Surfacewater	VOA	Trans-1,3-Dichloropropene	10061026	ug/L	0	/	50	4.487	6.904422	50	6.40077
Surfacewater	VOA	Trichloroethene	79016	ug/L	0	/	50	4.4372	6.927657	50	6.35741
Surfacewater	VOA	Vinyl acetate	108054	ug/L	0	/	47	35.75234	73.04701	500	56.63573
Surfacewater	VOA	Vinyl chloride	75014	ug/L	0	/	50	8.5518	13.99452	100	12.43081
Surfacewater	VOA	Xylenes (total)	1330207	ug/L	9	/	74	27.5517	131.656	1050	57.54832
Surfacewater	VTIC	Methane	Methane	ug/L	22	/	31	1412.839	3366.645	10000	2597.963
Surfacewater	VTIC	tert-Butyl methyl ether	1634044	ug/L	6	/	34	4.241471	6.256278	29.200001	6.344397

Notes:

Total PAHs is the sum of 13 individual PAHs (2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benyo(a)anthracene, Benyo(a)pyrene, Chrysene, Dibeny(a,h)anthracene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene [Jones et al. 1997]). Total PAHs were considered detected if at least one of the component analytes was detected in a sample.

Table 4-2
Ecological Receptor Categories
Site-Wide Screening Level ERA for the CPCPRC Site

Ecological Receptor	Measurement Endpoint	Approach / Assessment Levels
Freshwater aquatic community	Reproductive success, growth, or survival of planktonic fish and aquatic invertebrates.	Compare maximum measured freshwater concentration to chronic NAWQC[b] or other relevant criteria.
Freshwater sediment community	Reproductive success, growth, or survival of benthic fish and aquatic invertebrates.	Compare maximum measured sediment concentration to chronic sediment quality guidelines.
Marine aquatic community	Reproductive success, growth, or survival of fish and aquatic invertebrates.	Compare maximum measured seawater concentration to chronic NAWQC[b] or other relevant criteria.
Great blue heron (surrogate species for piscivorous birds)	Survival, growth, and reproduction.	Compare dietary exposure based on maximum measured and estimated concentrations to NOAEL and LOAEL values for survival, growth, reproduction, or other relevant endpoints for avian receptors.
Black-necked stilt (surrogate species for aquatic insectivorous birds)	Survival, growth, and reproduction.	Compare dietary exposure based on maximum measured and estimated concentrations to NOAEL and LOAEL values for survival, growth, reproduction, or other relevant endpoints for avian receptors.

Notes:
NOAEL = no observed adverse effects level
LOAEL = lowest observed adverse effects level
NAWQC = National Ambient Water Quality Criteria

Table 4-3

Screening Ecotoxicity Values (SEVs) for Marine Aquatic Biota

Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference	Media
Metals						
ANTIMONY	ug/L	-	500	CCC "Chronic"	Buchman 1999	marine
ARSENIC	ug/L	-	36	NAWQC CCC	EPA 2002	marine
BARIUM	ug/L	-	4	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
BERYLLIUM	ug/L	-	0.66	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
CADMIUM	ug/L	-	8.8	NAWQC CCC	EPA 2002	marine
CHROMIUM (VI)	ug/L	-	50	NAWQC CCC	EPA 2002	marine
CHROMIUM	ug/L	-	50	NAWQC CCC	EPA 2002	marine
COBALT	ug/L	-	23	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
COPPER	ug/L	-	3.1	NAWQC CCC	EPA 2002	marine
IRON	ug/L	-	1000	NAWQC CCC	EPA 2002	freshwater
LEAD	ug/L	-	8.1	NAWQC CCC	EPA 2002	marine
LEAD, TOTAL	ug/L	-	8.5	NAWQC CCC	EPA 2002	marine
MAGNESIUM	ug/L	-	NSV	-	-	-
MANGANESE	ug/L	-	120	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
MERCURY	ug/L	-	0.94	NAWQC CCC	EPA 2002	marine
NICKEL	ug/L	-	8.2	NAWQC CCC	EPA 2002	marine
SELENIUM	ug/L	-	71	NAWQC CCC	EPA 2002	marine
SILVER	ug/L	-	0.36	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
VANADIUM	ug/L	-	20	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
ZINC	ug/L	-	81	NAWQC CCC	EPA 2002	marine
Organics						
7,12-DIMETHYLBENZ(A)ANTHRACENE	ug/L	-	0.548	Region 5 RCRA ESL	USEPA 2003b	freshwater
ACENAPHTHENE	ug/L	-	710	CCC "Chronic"	Buchman 1999	marine
ACENAPHTHYLENE	ug/L	-	4840	Region 5 RCRA ESL	USEPA 2003b	freshwater
ANTHRACENE	ug/L	-	0.035	Region 5 RCRA ESL	USEPA 2003b	freshwater
BENZO(A)ANTHRACENE	ug/L	-	0.025	Region 5 RCRA ESL	USEPA 2003b	freshwater
BENZO(A)PYRENE	ug/L	-	0.014	Region 5 RCRA ESL	USEPA 2003b	freshwater
BENZO(B)FLUORANTHENE	ug/L	-	9.07	Region 5 RCRA ESL	USEPA 2003b	freshwater
BENZO(G,H,I)PERYLENE	ug/L	-	7.64	Region 5 RCRA ESL	USEPA 2003b	freshwater
BENZO(K)FLUORANTHENE	ug/L	BENZO(B)FLUORANTHENE	9.07	Region 5 RCRA ESL	USEPA 2003b	freshwater
CHRYSENE	ug/L	BENZO(A)PYRENE	0.014	Region 5 RCRA ESL	USEPA 2003b	freshwater
DIBENZ(A,H)ANTHRACENE	ug/L	BENZO(A)PYRENE	0.014	Region 5 RCRA ESL	USEPA 2003b	freshwater
FLUORANTHENE	ug/L	-	16	CCC "Chronic"	Buchman 1999	marine
FLUORENE	ug/L	-	3.9	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
INDENO(1,2,3-CD)PYRENE	ug/L	-	4.31	Region 5 RCRA ESL	USEPA 2003b	freshwater
NAPHTHALENE	ug/L	-	12	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
PHENANTHRENE	ug/L	-	4.6	CCC "Chronic"	Buchman 1999	marine
PYRENE	ug/L	-	0.3	Region 5 RCRA ESL	USEPA 2003b	freshwater
Total PAHs	ug/L	-	300	CMC "Acute"	Buchman 1999	marine
1,2,3-TRICHLOROBENZENE	ug/L	1,2,4-TRICHLOROBENZENE	129	CCC "Chronic"	Buchman 1999	marine

Table 4-3

Screening Ecotoxicity Values (SEVs) for Marine Aquatic Biota

Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference	Media
1,2,4-TRICHLOROBENZENE	ug/L	-	129	CCC "Chronic"	Buchman 1999	marine
1,2-DICHLOROBENZENE	ug/L	-	129	CCC "Chronic"	Buchman 1999	marine
1,3-DICHLOROBENZENE	ug/L	-	38	Region 5 RCRA ESL	USEPA 2003b	freshwater
1,4-DICHLOROBENZENE	ug/L	-	129	CCC "Chronic"	Buchman 1999	marine
2,4,5-TRICHLOROPHENOL	ug/L	-	11	CCC "Chronic"	Buchman 1999	marine
2,4,6-TRICHLOROPHENOL	ug/L	-	4.9	Region 5 RCRA ESL	USEPA 2003b	freshwater
2,4-DICHLOROPHENOL	ug/L	-	11	Region 5 RCRA ESL	USEPA 2003b	freshwater
2,4-DIMETHYLPHENOL	ug/L	-	100	Region 5 RCRA ESL	USEPA 2003b	freshwater
2,4-DINITROPHENOL	ug/L	-	19	Region 5 RCRA ESL	USEPA 2003b	freshwater
2,4-DINITROTOLUENE	ug/L	-	44	Region 5 RCRA ESL	USEPA 2003b	freshwater
2,6-DINITROTOLUENE	ug/L	-	81	Region 5 RCRA ESL	USEPA 2003b	freshwater
2-CHLORONAPHTHALENE	ug/L	-	0.396	Region 5 RCRA ESL	USEPA 2003b	freshwater
2-CHLOROPHENOL	ug/L	-	24	Region 5 RCRA ESL	USEPA 2003b	freshwater
2-METHYLNAPHTHALENE	ug/L	-	330	Region 5 RCRA ESL	USEPA 2003b	freshwater
2-METHYLPHENOL	ug/L	-	67	Region 5 RCRA ESL	USEPA 2003b	freshwater
2-NITROANILINE	ug/L	-	NSV	-	-	-
2-NITROPHENOL	ug/L	-	3500	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
3,3'-DICHLOROBENZIDINE	ug/L	-	4.5	Region 5 RCRA ESL	USEPA 2003b	freshwater
3-NITROANILINE	ug/L	-	NSV	-	-	-
4,6-DINITRO-2-METHYLPHENOL	ug/L	-	23	Region 5 RCRA ESL	USEPA 2003b	-
4-BROMOPHENYL PHENYLETHER	ug/L	-	1.5	Region 5 RCRA ESL	USEPA 2003b	freshwater
4-CHLORO-3-METHYLPHENOL	ug/L	-	34.8	Region 5 RCRA ESL	USEPA 2003b	freshwater
4-CHLOROANILINE	ug/L	-	129	CCC "Chronic"	Buchman 1999	marine
4-CHLOROPHENYL-PHENYLETHER	ug/L	4-BROMOPHENYL PHENYLETHER	1.5	Region 5 RCRA ESL	USEPA 2003b	freshwater
4-METHYLPHENOL	ug/L	-	25	Region 5 RCRA ESL	USEPA 2003b	freshwater
4-NITROANILINE	ug/L	-	NSV	-	-	-
4-NITROPHENOL	ug/L	-	60	Region 5 RCRA ESL	USEPA 2003b	freshwater
BENZOIC ACID	ug/L	-	42	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
BENZYL ALCOHOL	ug/L	-	8.6	Region 5 RCRA ESL	USEPA 2003b	freshwater
BIS(2-CHLOROETHOXY)METHANE	ug/L	-	6400	CCC "Chronic"	Buchman 1999	marine
BIS(2-CHLOROETHYL)ETHER	ug/L	-	19000	Region 5 RCRA ESL	USEPA 2003b	freshwater
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	-	NSV	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	-	360	CCC "Chronic"	Buchman 1999	marine
BUTYLBENZYL PHTHALATE	ug/L	-	3.4	CCC "Chronic"	Buchman 1999	marine
DIBENZOFURAN	ug/L	-	4	Region 5 RCRA ESL	USEPA 2003b	freshwater
DIETHYLPHTHALATE	ug/L	-	3.4	CCC "Chronic"	Buchman 1999	marine
DIMETHYLPHTHALATE	ug/L	-	3.4	CCC "Chronic"	Buchman 1999	marine
DI-N-BUTYLPHTHALATE	ug/L	-	3.4	CCC "Chronic"	Buchman 1999	marine
DI-N-OCTYL PHTHALATE	ug/L	-	3.4	CCC "Chronic"	Buchman 1999	marine
HEXACHLOROBENZENE	ug/L	-	129	CCC "Chronic"	Buchman 1999	marine
HEXACHLOROBUTADIENE	ug/L	-	0.053	Region 5 RCRA ESL	USEPA 2003b	freshwater

Table 4-3

Screening Ecotoxicity Values (SEVs) for Marine Aquatic Biota

Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference	Media
HEXACHLOROCYCLOPENTADIENE	ug/L	-	77	Region 5 RCRA ESL	USEPA 2003b	freshwater
HEXACHLOROETHANE	ug/L	-	12	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
ISOPHORONE	ug/L	-	920	Region 5 RCRA ESL	USEPA 2003b	freshwater
NITROBENZENE	ug/L	-	220	Region 5 RCRA ESL	USEPA 2003b	freshwater
N-NITROSO-DI-N-PROPYLAMINE	ug/L	N-NITROSODIPHENYLAMINE	210	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
N-NITROSODIPHENYLAMINE	ug/L	-	210	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
PENTACHLOROPHENOL	ug/L	-	7.9	NAWQC CCC	EPA 2002	marine
PHENOL	ug/L	-	110	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
PYRIDINE	ug/L	-	2380	Region 5 RCRA ESL	USEPA 2003b	freshwater
1,1,1,2-TETRACHLOROETHANE	ug/L	1,1,2,2-TETRACHLOROETHANE	610	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
1,1,1-TRICHLOROETHANE	ug/L	-	11	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
1,1,2,2-TETRACHLOROETHANE	ug/L	-	610	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
1,1,2-TRICHLOROETHANE	ug/L	-	1200	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
1,1-DICHLOROETHANE	ug/L	-	47	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
1,1-DICHLOROETHENE	ug/L	-	25	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
1,1-DICHLOROPROPENE	ug/L	1,2-DICHLOROPROPANE	3040	CCC "Chronic"	Buchman 1999	marine
1,2,3-TRICHLOROPROPANE	ug/L	-	NSV	-	-	-
1,2-DIBROMO-3-CHLOROPROPANE	ug/L	-	NSV	-	-	-
1,2-DIBROMOETHANE	ug/L	BROMOMETHANE	16	Region 5 RCRA ESL	USEPA 2003b	freshwater
1,2-DIBROMOMETHANE	ug/L	BROMOMETHANE	16	Region 5 RCRA ESL	USEPA 2003b	freshwater
1,2-DICHLOROETHANE	ug/L	-	910	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
1,2-DICHLOROPROPANE	ug/L	-	3040	CCC "Chronic"	Buchman 1999	marine
1,3,5-TRIMETHYLBENZENE	ug/L	ETHYLBENZENE	7.3	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
1,3-DICHLOROPROPANE	ug/L	1,2-DICHLOROPROPANE	3040	CCC "Chronic"	Buchman 1999	marine
2,2-DICHLOROPROPANE	ug/L	1,2-DICHLOROPROPANE	3040	CCC "Chronic"	Buchman 1999	marine
2-BUTANONE	ug/L	-	14000	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
2-CHLOROETHYL VINYL ETHER	ug/L	-	NSV	-	-	-
2-CHLOROTOLUENE	ug/L	CHLOROBENZENE	129	CCC "Chronic"	Buchman 1999	marine
2-HEXANONE	ug/L	-	99	Region 5 RCRA ESL	USEPA 2003b	freshwater
4-CHLOROTOLUENE	ug/L	CHLOROBENZENE	129	CCC "Chronic"	Buchman 1999	marine
4-METHYL-2-PENTANONE	ug/L	-	170	Region 5 RCRA ESL	USEPA 2003b	freshwater
ACETONE	ug/L	-	1500	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
BENZENE	ug/L	-	700	CCC "Chronic"	Buchman 1999	marine
BROMOBENZENE	ug/L	CHLOROBENZENE	129	CCC "Chronic"	Buchman 1999	marine
BROMOCHLOROMETHANE	ug/L	BROMODICHLOROMETHANE	6400	CCC "Chronic"	Buchman 1999	marine
BROMODICHLOROMETHANE	ug/L	-	6400	CCC "Chronic"	Buchman 1999	marine
BROMOFORM	ug/L	-	230	Region 5 RCRA ESL	USEPA 2003b	freshwater
BROMOMETHANE	ug/L	-	16	Region 5 RCRA ESL	USEPA 2003b	freshwater
CARBON DISULFIDE	ug/L	-	0.92	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
CARBON TETRACHLORIDE	ug/L	-	9.8	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
CHLOROBENZENE	ug/L	-	129	CCC "Chronic"	Buchman 1999	marine

Table 4-3

Screening Ecotoxicity Values (SEVs) for Marine Aquatic Biota

Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference	Media
CHLOROETHANE	ug/L	-	NSV	-	-	-
CHLOROFORM	ug/L	-	28	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
CHLOROMETHANE	ug/L	-	NSV	-	-	-
CIS-1,2-DICHLOROETHENE	ug/L	1,1-DICHLOROETHENE	25	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
CIS-1,3-DICHLOROPROPENE	ug/L	1,2-DICHLOROPROPANE	3040	CCC "Chronic"	Buchman 1999	marine
DIBROMOCHLOROMETHANE	ug/L	-	6400	CCC "Chronic"	Buchman 1999	marine
DICHLORODIFLUOROMETHANE	ug/L	-	NSV	-	-	-
ETHYLBENZENE	ug/L	-	7.3	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
METHYLENE CHLORIDE	ug/L	-	6400	CCC "Chronic"	Buchman 1999	marine
O-XYLENE	ug/L	XYLENES (TOTAL)	13	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
STYRENE	ug/L	-	32	Region 5 RCRA ESL	USEPA 2003b	freshwater
TETRACHLOROETHENE	ug/L	-	450	CCC "Chronic"	Buchman 1999	marine
TOLUENE	ug/L	-	5000	CCC "Chronic"	Buchman 1999	marine
TRANS-1,2-DICHLOROETHENE	ug/L	-	970	Region 5 RCRA ESL	USEPA 2003b	freshwater
TRANS-1,3-DICHLOROPROPENE	ug/L	1,2-DICHLOROPROPANE	3040	CCC "Chronic"	Buchman 1999	marine
TRICHLOROETHENE	ug/L	-	47	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
TRICHLOROFLUOROMETHANE	ug/L	-	NSV	-	-	-
VINYL ACETATE	ug/L	-	16	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
VINYL CHLORIDE	ug/L	-	930	Region 5 RCRA ESL	USEPA 2003b	freshwater
XYLENES (TOTAL)	ug/L	-	13	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
1,2,4-TRIMETHYLBENZENE	ug/L	ETHYLBENZENE	7.3	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
ISOPROPYLBENZENE	ug/L	ETHYLBENZENE	7.3	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
METHANE	ug/L	-	NSV	-	-	-
N-BUTYLBENZENE	ug/L	ETHYLBENZENE	7.3	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
N-PROPYLBENZENE	ug/L	ETHYLBENZENE	7.3	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
P-ISOPROPYLTOLUENE	ug/L	ETHYLBENZENE	7.3	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
SEC-BUTYLBENZENE	ug/L	ETHYLBENZENE	7.3	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
TERT-BUTYL METHYL ETHER	ug/L	-	440	Preliminary Guideline	B.C. MELP 2001	marine
TERT-BUTYLBENZENE	ug/L	ETHYLBENZENE	7.3	Tier II Secondary Chronic Value	Suter and Tsao 1996	freshwater
General Chemistry Parameters		-	-	-	-	-
ALKALINITY, BICARB.	ug/L	-	NSV	-	-	-
ALKALINITY, CARB.	ug/L	-	NSV	-	-	-
ALKALINITY, TOTAL	ug/L	-	NSV	-	-	-
AMMONIA AS NH3	ug/L	-	NSV	-	-	-
CALCIUM	ug/L	-	NSV	-	-	-
CALCIUM, DISSOLVED	ug/L	-	NSV	-	-	-
CALCIUM, TOTAL	ug/L	-	NSV	-	-	-
CHLORIDE	ug/L	-	NSV	-	-	-
NITRATE AS N	ug/L	NO2 + NO3	61.1	Ecoregional Nutrient Criteria	www.epa.gov	marine
NITRITE AS N	ug/L	NO2 + NO3	61.1	Ecoregional Nutrient Criteria	www.epa.gov	marine
NITROGEN, TOTAL	ug/L	NO2 + NO3	61.1	Ecoregional Nutrient Criteria	www.epa.gov	marine

Table 4-3

Screening Ecotoxicity Values (SEVs) for Marine Aquatic Biota

Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference	Media
NITROGEN-TKN	ug/L	-	233	Ecoregional Nutrient Criteria	www.epa.gov	marine
ORTHOPHOSPHATE AS P	ug/L	-	NSV	-	-	-
PH	pH units	-	6.5 - 8.5	NAWQC CCC	EPA 2002	marine
PHOSPHORUS	ug/L	-	0.1	NAWQC CCC	EPA 2002	marine
PHOSPHORUS, TOTAL	ug/L	-	14	Ecoregional Nutrient Criteria	www.epa.gov	marine
POTASSIUM	ug/L	-	NSV	-	-	-
POTASSIUM, DISSOLVED	ug/L	-	NSV	-	-	-
POTASSIUM, TOTAL	ug/L	-	NSV	-	-	-
SALINITY	-	-	NSV	-	-	-
SODIUM	ug/L	-	NSV	-	-	-
SODIUM, DISSOLVED	ug/L	-	NSV	-	-	-
SODIUM, TOTAL	ug/L	-	NSV	-	-	-
SULFATE	ug/L	-	NSV	-	-	-
SULFIDE	ug/L	-	NSV	-	-	-
TOTAL DISSOLVED SOLIDS	ug/L	-	NSV	-	-	-
TOTAL ORGANIC CARBON	ug/L	-	NSV	-	-	-
TOTAL SOLIDS (RESIDUE)	ug/L	-	NSV	-	-	-
TOTAL SUSPENDED SOLIDS	ug/L	-	NSV	-	-	-

Notes:

NAWQC - National Ambient Water Quality Criteria

CCC - Concentration Chronic Criteria

CMC - Concentration Maximum Criteria

ESL - Ecological Screening Values

Metal SEVs were based on dissolved fractions and only dissolved fractions were screened (Prothro 1993)

Table 4-4
Screening Ecotoxicity Values (SEVs) for Freshwater Aquatic Biota
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference
Metals					
ANTIMONY	ug/L	-	30	Tier II Secondary Chronic Value	Suter and Tsao 1996
ARSENIC	ug/L	-	150	NAWQC CCC	USEPA 2002
BARIUM	ug/L	-	4	Tier II Secondary Chronic Value	Suter and Tsao 1996
BERYLLIUM	ug/L	-	0.66	Tier II Secondary Chronic Value	Suter and Tsao 1996
CADMIUM	ug/L	-	0.57	NAWQC CCC	USEPA 2002
CADMIUM, TOTAL	ug/L	-	0.64	NAWQC CCC	USEPA 2002
CHROMIUM (VI)	ug/L	-	11.00	NAWQC CCC	USEPA 2002
CHROMIUM (VI), TOTAL	ug/L	-	11.43	NAWQC CCC	USEPA 2002
CHROMIUM III	ug/L	-	191.2	NAWQC CCC	USEPA 2002
CHROMIUM III, TOTAL	ug/L	-	222.3	NAWQC CCC	USEPA 2002
COBALT	ug/L	-	23	Tier II Secondary Chronic Value	Suter and Tsao 1996
COPPER	ug/L	-	24.07	NAWQC CCC	USEPA 2002
COPPER, TOTAL	ug/L	-	25.07	NAWQC CCC	USEPA 2002
IRON	ug/L	-	1000	NAWQC CCC	USEPA 2002
LEAD	ug/L	-	8.64	NAWQC CCC	USEPA 2002
LEAD, TOTAL	ug/L	-	13.88	NAWQC CCC	USEPA 2002
MAGNESIUM	ug/L	-	NSV	-	-
MANGANESE	ug/L	-	120	Tier II Secondary Chronic Value	Suter and Tsao 1996
MERCURY	ug/L	-	0.77	NAWQC CCC	USEPA 2002
MERCURY, TOTAL	ug/L	-	0.91	NAWQC CCC	USEPA 2002
NICKEL	ug/L	-	138.4	NAWQC CCC	USEPA 2002
NICKEL, TOTAL	ug/L	-	138.8	NAWQC CCC	USEPA 2002
SELENIUM	ug/L	-	5.00	NAWQC CCC	USEPA 2002
SILVER	ug/L	-	0.36	Tier II Secondary Chronic Value	Suter and Tsao 1996
SILVER, TOTAL	ug/L	-	0.36	Tier II Secondary Chronic Value	Suter and Tsao 1996
THALLIUM	ug/L	-	12	Tier II Secondary Chronic Value	Suter and Tsao 1996
VANADIUM	ug/L	-	20	Tier II Secondary Chronic Value	Suter and Tsao 1996
ZINC	ug/L	-	314.8	NAWQC CCC	USEPA 2002
ZINC, TOTAL	ug/L	-	319.3	NAWQC CCC	USEPA 2002
Organics					
AROCLOR-1016	ug/L	PCBs, Total	0.014	NAWQC CCC	USEPA 2002
AROCLOR-1221	ug/L	-	0.28	Tier II Secondary Chronic Value	Suter and Tsao 1996
AROCLOR-1232	ug/L	-	0.58	Tier II Secondary Chronic Value	Suter and Tsao 1996
AROCLOR-1242	ug/L	-	0.053	Tier II Secondary Chronic Value	Suter and Tsao 1996

Table 4-4
Screening Ecotoxicity Values (SEVs) for Freshwater Aquatic Biota
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference
AROCLOR-1248	ug/L	-	0.081	Tier II Secondary Chronic Value	Suter and Tsao 1996
AROCLOR-1254	ug/L	-	0.033	Tier II Secondary Chronic Value	Suter and Tsao 1996
AROCLOR-1260	ug/L	-	94	Tier II Secondary Chronic Value	Suter and Tsao 1996
Total PCBs	ug/L	-	0.014	NAWQC CCC	USEPA 2002
7,12-DIMETHYLBENZ(A)ANTHRACENE	ug/L	-	0.548	Region 5 RCRA ESL	USEPA 2003b
ACENAPHTHENE	ug/L	-	23	NAWQC CCC	USEPA 2002
ACENAPHTHYLENE	ug/L	-	4840	Region 5 RCRA ESL	USEPA 2003b
ANTHRACENE	ug/L	-	0.035	Region 5 RCRA ESL	USEPA 2003b
BENZO(A)ANTHRACENE	ug/L	-	0.025	Region 5 RCRA ESL	USEPA 2003b
BENZO(A)PYRENE	ug/L	-	0.014	Region 5 RCRA ESL	USEPA 2003b
BENZO(B)FLUORANTHENE	ug/L	-	9.07	Region 5 RCRA ESL	USEPA 2003b
BENZO(G,H,I)PERYLENE	ug/L	-	7.64	Region 5 RCRA ESL	USEPA 2003b
BENZO(K)FLUORANTHENE	ug/L	NZO(B)FLUORANTHE	9.07	Region 5 RCRA ESL	USEPA 2003b
CHRYSENE	ug/L	BENZO(A)PYRENE	0.014	Region 5 RCRA ESL	USEPA 2003b
DIBENZ(A,H)ANTHRACENE	ug/L	BENZO(A)PYRENE	0.014	Region 5 RCRA ESL	USEPA 2003b
FLUORANTHENE	ug/L	-	6.16	NAWQC CCC	USEPA 2002
FLUORENE	ug/L	-	3.9	Tier II Secondary Chronic Value	Suter and Tsao 1996
INDENO(1,2,3-CD)PYRENE	ug/L	-	4.31	Region 5 RCRA ESL	USEPA 2003b
NAPHTHALENE	ug/L	-	12	Tier II Secondary Chronic Value	Suter and Tsao 1996
PHENANTHRENE	ug/L	-	6.3	NAWQC CCC	USEPA 2002
PYRENE	ug/L	-	0.3	Region 5 RCRA ESL	USEPA 2003b
Total PAHs	-	-	-	-	-
1,2,4-TRICHLOROBENZENE	ug/L	-	30	Region 5 RCRA ESL	USEPA 2003b
1,2-DICHLOROBENZENE	ug/L	-	14	Tier II Secondary Chronic Value	Suter and Tsao 1996
1,3-DICHLOROBENZENE	ug/L	-	38	Region 5 RCRA ESL	USEPA 2003b
1,4-DICHLOROBENZENE	ug/L	-	9.4	Region 5 RCRA ESL	USEPA 2003b
2,4,5-TRICHLOROPHENOL	ug/L	,6-TRICHLOROPHEN	4.9	Region 5 RCRA ESL	USEPA 2003b
2,4,6-TRICHLOROPHENOL	ug/L	-	4.9	Region 5 RCRA ESL	USEPA 2003b
2,4-DICHLOROPHENOL	ug/L	-	11	Region 5 RCRA ESL	USEPA 2003b
2,4-DIMETHYLPHENOL	ug/L	-	100	Region 5 RCRA ESL	USEPA 2003b
2,4-DINITROPHENOL	ug/L		19	Region 5 RCRA ESL	USEPA 2003b
2,4-DINITROTOLUENE	ug/L	-	44	Region 5 RCRA ESL	USEPA 2003b
2,6-DINITROTOLUENE	ug/L	-	81	Region 5 RCRA ESL	USEPA 2003b
2-CHLORONAPHTHALENE	ug/L	-	0.396	Region 5 RCRA ESL	USEPA 2003b
2-CHLOROPHENOL	ug/L	-	24	Region 5 RCRA ESL	USEPA 2003b

Table 4-4
Screening Ecotoxicity Values (SEVs) for Freshwater Aquatic Biota
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference
2-METHYLNAPHTHALENE	ug/L	-	330	Region 5 RCRA ESL	USEPA 2003b
2-METHYLPHENOL	ug/L	-	13	Tier II Secondary Chronic Value	Suter and Tsao 1996
2-NITROANILINE	ug/L	-	NSV	-	-
2-NITROPHENOL	ug/L	-	82.8	Region IV CSV	Suter and Tsao 1996
3,3'-DICHLOROBENZIDINE	ug/L	-	4.5	Region 5 RCRA ESL	USEPA 2003b
3-NITROANILINE	ug/L	-	NSV	-	-
4,6-DINITRO-2-METHYLPHENOL	ug/L	-	23	Region 5 RCRA ESL	USEPA 2003b
4-BROMOPHENYL PHENYLETHER	ug/L	-	1.5	Region 5 RCRA ESL	USEPA 2003b
4-CHLORO-3-METHYLPHENOL	ug/L	-	34.8	Region 5 RCRA ESL	USEPA 2003b
4-CHLOROANILINE	ug/L	-	232	Region 5 RCRA ESL	USEPA 2003b
4-CHLOROPHENYL-PHENYLETHER	ug/L	MOPHENYL PHENYLI	1.5	Region 5 RCRA ESL	USEPA 2003b
4-METHYLPHENOL	ug/L	-	25	Region 5 RCRA ESL	USEPA 2003b
4-NITROANILINE	ug/L	-	NSV	-	-
4-NITROPHENOL	ug/L	-	60	Region 5 RCRA ESL	USEPA 2003b
BENZOIC ACID	ug/L	-	42	Tier II Secondary Chronic Value	Suter and Tsao 1996
BENZYL ALCOHOL	ug/L	-	8.6	Region 5 RCRA ESL	USEPA 2003b
BIS(2-CHLOROETHOXY)METHANE	ug/L	-	NSV	-	-
BIS(2-CHLOROETHYL)ETHER	ug/L	-	19000	Region 5 RCRA ESL	USEPA 2003b
BIS(2-CHLOROISOPROPYL)ETHER	ug/L	-	NSV	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	ug/L	-	0.3	Region 5 RCRA ESL	USEPA 2003b
BUTYLBENZYL PHTHALATE	ug/L	-	19	Tier II Secondary Chronic Value	Suter and Tsao 1996
DIBENZOFURAN	ug/L	-	3.7	Tier II Secondary Chronic Value	Suter and Tsao 1996
DIETHYLPHTHALATE	ug/L	-	110	Region 5 RCRA ESL	USEPA 2003b
DIMETHYLPHTHALATE	ug/L	-N-OCTYL PHTHALAT	30	Region 5 RCRA ESL	USEPA 2003b
DI-N-BUTYLPHTHALATE	ug/L	-	35	Tier II Secondary Chronic Value	Suter and Tsao 1996
DI-N-OCTYL PHTHALATE	ug/L	-	30	Region 5 RCRA ESL	USEPA 2003b
HEXACHLOROBENZENE	ug/L	-	0.0004	Region 5 RCRA ESL	USEPA 2003b
HEXACHLOROBUTADIENE	ug/L	-	0.053	Region 5 RCRA ESL	USEPA 2003b
HEXACHLOROCYCLOPENTADIENE	ug/L	-	77	Region 5 RCRA ESL	USEPA 2003b
HEXACHLOROETHANE	ug/L	-	8	Region 5 RCRA ESL	USEPA 2003b
ISOPHORONE	ug/L	-	920	Region 5 RCRA ESL	USEPA 2003b
NITROBENZENE	ug/L	-	220	Region 5 RCRA ESL	USEPA 2003b
N-NITROSO-DI-N-PROPYLAMINE	ug/L	ITROSODIPHENYLAM	210	Tier II Secondary Chronic Value	Suter and Tsao 1996
N-NITROSODIPHENYLAMINE	ug/L	-	210	Tier II Secondary Chronic Value	Suter and Tsao 1996
PENTACHLOROPHENOL	ug/L	-	4	Region 5 RCRA ESL	USEPA 2003b

Table 4-4
Screening Ecotoxicity Values (SEVs) for Freshwater Aquatic Biota
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference
PHENOL	ug/L	-	110	NAWQC CCC	USEPA 2002
PYRIDINE	ug/L	-	2380	Region 5 RCRA ESL	USEPA 2003b
1,1,1-TRICHLOROETHANE	ug/L	-	76	Region 5 RCRA ESL	USEPA 2003b
1,1,2,2-TETRACHLOROETHANE	ug/L	-	610	Tier II Secondary Chronic Value	Suter and Tsao 1996
1,1,2-TRICHLOROETHANE	ug/L	-	1200	Tier II Secondary Chronic Value	Suter and Tsao 1996
1,1-DICHLOROETHANE	ug/L	-	47	Tier II Secondary Chronic Value	Suter and Tsao 1996
1,1-DICHLOROETHENE	ug/L	-	25	Tier II Secondary Chronic Value	Suter and Tsao 1996
1,2-DICHLOROETHANE	ug/L	-	910	Tier II Secondary Chronic Value	Suter and Tsao 1996
1,2-DICHLOROETHENE (TOTAL)	ug/L	-	590	Tier II Secondary Chronic Value	Suter and Tsao 1996
1,2-DICHLOROPROPANE	ug/L	-	360	Region 5 RCRA ESL	USEPA 2003b
2-BUTANONE	ug/L	-	2200	Region 5 RCRA ESL	USEPA 2003b
2-CHLOROETHYL VINYL ETHER	ug/L	-	NSV	-	-
2-HEXANONE	ug/L	-	99	Region 5 RCRA ESL	USEPA 2003b
4-METHYL-2-PENTANONE	ug/L	-	170	Region 5 RCRA ESL	USEPA 2003b
ACETONE	ug/L	-	1500	Tier II Secondary Chronic Value	Suter and Tsao 1996
BENZENE	ug/L	-	114	Region 5 RCRA ESL	USEPA 2003b
BROMODICHLOROMETHANE	ug/L	-	NSV	-	-
BROMOFORM	ug/L	-	230	Region 5 RCRA ESL	USEPA 2003b
BROMOMETHANE	ug/L	-	16	Region 5 RCRA ESL	USEPA 2003b
CARBON DISULFIDE	ug/L	-	0.92	Tier II Secondary Chronic Value	Suter and Tsao 1996
CARBON TETRACHLORIDE	ug/L	-	9.8	Tier II Secondary Chronic Value	Suter and Tsao 1996
CHLOROBENZENE	ug/L	-	47	Region 5 RCRA ESL	USEPA 2003b
CHLOROETHANE	ug/L	-	NSV	-	-
CHLOROFORM	ug/L	-	28	Tier II Secondary Chronic Value	Suter and Tsao 1996
CHLOROMETHANE	ug/L	-	NSV	-	-
CIS-1,3-DICHLOROPROPENE	ug/L	2-DICHLOROPROPAN	360	Region 5 RCRA ESL	USEPA 2003b
DIBROMOCHLOROMETHANE	ug/L	-	11000	CMC "Acute"	Buchman 1999
DICHLORODIFLUOROMETHANE	ug/L	-	NSV	-	-
ETHYLBENZENE	ug/L	-	7.3	Tier II Secondary Chronic Value	Suter and Tsao 1996
METHYLENE CHLORIDE	ug/L	-	2200	Tier II Secondary Chronic Value	Suter and Tsao 1996
O-XYLENE	ug/L	XYLENES (TOTAL)	13	Tier II Secondary Chronic Value	Suter and Tsao 1996
STYRENE	ug/L	-	32	Region 5 RCRA ESL	USEPA 2003b
TETRACHLOROETHENE	ug/L	-	45	Region 5 RCRA ESL	USEPA 2003b
TOLUENE	ug/L	-	9.8	Tier II Secondary Chronic Value	Suter and Tsao 1996
TRANS-1,2-DICHLOROETHENE	ug/L	-	970	Region 5 RCRA ESL	USEPA 2003b

Table 4-4
Screening Ecotoxicity Values (SEVs) for Freshwater Aquatic Biota
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference
TRANS-1,3-DICHLOROPROPENE	ug/L	2-DICHLOROPROPAN	360	Region 5 RCRA ESL	USEPA 2003b
TRICHLOROETHENE	ug/L	-	47	Tier II Secondary Chronic Value	Suter and Tsao 1996
VINYL ACETATE	ug/L	-	16	Tier II Secondary Chronic Value	Suter and Tsao 1996
VINYL CHLORIDE	ug/L	-	930	Region 5 RCRA ESL	USEPA 2003b
XYLENES (TOTAL)	ug/L	-	13	Tier II Secondary Chronic Value	Suter and Tsao 1996
METHANE	ug/L	-	NSV	-	-
TERT-BUTYL METHYL ETHER	ug/L	-	NSV	-	-
General Chemistry Parameters		-	-	-	-
ALKALINITY, BICARB.	ug/L	-	NSV	-	-
ALKALINITY, CARB.	ug/L	-	NSV	-	-
ALKALINITY, TOTAL	ug/L	-	20000	NAWQC CCC	USEPA 2002
AMMONIA AS NH3	ug/L	-	NSV	-	-
AMMONIA AS NH3, TOTAL	ug/L	-	2.56	NAWQC CCC	USEPA 2002
AVS DISTILLATION	ug/L	-	NSV	-	-
CALCIUM	ug/L	-	NSV	-	-
CALCIUM, DISSOLVED	ug/L	-	NSV	-	-
CALCIUM, TOTAL	ug/L	-	NSV	-	-
CHLORIDE	ug/L	-	230000	NAWQC CCC	USEPA 2002
NITRATE AS N	ug/L	-	332.8	Ecoregional Nutrient Criteria	www.epa.gov
NITRITE AS N	ug/L	-	22.5	Ecoregional Nutrient Criteria	www.epa.gov
NITROGEN-TKN	ug/L	-	503.7	Ecoregional Nutrient Criteria	www.epa.gov
ORTHOPHOSPHATE AS P	ug/L	-	NSV	-	-
PH	pH units	-	6.5 - 9	NAWQC CCC	USEPA 2002
PHOSPHORUS	ug/L	-	NSV	-	-
PHOSPHORUS, TOTAL	ug/L	-	161.1	Ecoregional Nutrient Criteria	www.epa.gov
POTASSIUM	ug/L	-	NSV	-	-
POTASSIUM, DISSOLVED	ug/L	-	NSV	-	-
POTASSIUM, TOTAL	ug/L	-	NSV	-	-
SALINITY	-	-	NSV	-	-
SODIUM	ug/L	-	NSV	-	-
SODIUM, DISSOLVED	ug/L	-	NSV	-	-
SODIUM, TOTAL	ug/L	-	NSV	-	-
SULFATE	ug/L	-	NSV	-	-
SULFIDE	ug/L	-	NSV	-	-
SULFIDE, TOTAL	ug/L	-	NSV	-	-

Table 4-4

Screening Ecotoxicity Values (SEVs) for Freshwater Aquatic Biota

Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference
TOTAL DISSOLVED SOLIDS	ug/L	-	NSV	-	-
TOTAL ORGANIC CARBON	ug/L	-	NSV	-	-
TOTAL SOLIDS (RESIDUE)	ug/L	-	NSV	-	-
TOTAL SUSPENDED SOLIDS	ug/L	-	36000	Ecoregional Nutrient Criteria	www.epa.gov

Notes:

SEVs for cadmiun, chromium (III), copper, lead, nickel, silver, and zinc were based on hardness adjusted NAWQC (EPA 2002), where hardness = 318, as

The SEV for pentachlorophenol was based on a pH factor of 7.0.

SEVs for ammonia were based on equations from USEPA (2002) where pH is 7.4 and temperature is 24 °C. The SEV-low (CCC) equation for early life st

NAWQC - National Ambient Water Quality Criteria

CCC - Concentration Chronic Criteria

CMC - Concentration Maximum Criteria

ESL - Ecological Screening Values

Table 4-5
Screening Ecotoxicity Values (SEVs) for Freshwater Benthic Biota
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference	SEV - High	Type	Reference
Metals								
ANTIMONY	ug/kg		12000	Region IV ESV	USEPA 1995	NSV	-	-
ARSENIC	ug/kg		9790	CB TEC	MacDonald et al. 2000	33000	CB PEC	MacDonald et al. 2000
BARIUM	ug/kg		NSV	-	-	NSV	-	-
BERYLLIUM	ug/kg		NSV	-	-	NSV	-	-
CADMIUM	ug/kg		990	CB TEC	MacDonald et al. 2000	4980	CB PEC	MacDonald et al. 2000
CHROMIUM	ug/kg		43400	CB TEC	MacDonald et al. 2000	111000	CB PEC	MacDonald et al. 2000
CHROMIUM (VI)	ug/kg		NSV	-	-	NSV	-	-
COBALT	ug/kg		50000	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
COPPER	ug/kg		31600	CB TEC	MacDonald et al. 2000	149000	CB PEC	MacDonald et al. 2000
IRON	ug/kg		NSV	-	-	NSV	-	-
LEAD	ug/kg		35800	CB TEC	MacDonald et al. 2000	128000	CB PEC	MacDonald et al. 2000
MAGNESIUM	ug/kg		NSV	-	-	NSV	-	-
MANGANESE	ug/kg		1673	TEL	Jones et al. 1997	1081	PEC	Jones et al. 1997
MERCURY	ug/kg		180	CB TEC	MacDonald et al. 2000	1060	CB PEC	MacDonald et al. 2000
NICKEL	ug/kg		22700	CB TEC	MacDonald et al. 2000	48600	CB PEC	MacDonald et al. 2000
SELENIUM	ug/kg		NSV	-	-	NSV	-	-
SILVER	ug/kg		500	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
TIN	ug/kg		NSV	-	-	NSV	-	-
VANADIUM	ug/kg		NSV	-	-	NSV	-	-
ZINC	ug/kg		121000	CB TEC	MacDonald et al. 2000	459000	CB PEC	MacDonald et al. 2000
Organics								
AROCLOR-1016	ug/kg		59.8	CB TEC for Total PCBs	MacDonald et al. 2000	676	CB TEC for Total PCBs	MacDonald et al. 2000
AROCLOR-1221	ug/kg		59.8	CB TEC for Total PCBs	MacDonald et al. 2000	676	CB TEC for Total PCBs	MacDonald et al. 2000
AROCLOR-1232	ug/kg		59.8	CB TEC for Total PCBs	MacDonald et al. 2000	676	CB TEC for Total PCBs	MacDonald et al. 2000
AROCLOR-1242	ug/kg		59.8	CB TEC for Total PCBs	MacDonald et al. 2000	676	CB TEC for Total PCBs	MacDonald et al. 2000
AROCLOR-1248	ug/kg		59.8	CB TEC for Total PCBs	MacDonald et al. 2000	676	CB TEC for Total PCBs	MacDonald et al. 2000
AROCLOR-1254	ug/kg		59.8	CB TEC for Total PCBs	MacDonald et al. 2000	676	CB TEC for Total PCBs	MacDonald et al. 2000
AROCLOR-1260	ug/kg		59.8	CB TEC for Total PCBs	MacDonald et al. 2000	676	CB TEC for Total PCBs	MacDonald et al. 2000
Total PCBs	ug/kg		59.8	CB TEC for Total PCBs	MacDonald et al. 2000	676	CB TEC for Total PCBs	MacDonald et al. 2000
7,12-DIMETHYLBENZ(A)ANTHRACENE	ug/kg		66400	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
ACENAPHTHENE	ug/kg		330	Region IV ESV	USEPA 1995	NSV	-	-
ACENAPHTHYLENE	ug/kg		330	Region IV ESV	USEPA 1995	NSV	-	-
ANTHRACENE	ug/kg		57.2	CB TEC	MacDonald et al. 2000	845	CB PEC	MacDonald et al. 2000
BENZO(A)ANTHRACENE	ug/kg		108	CB TEC	MacDonald et al. 2000	1050	CB PEC	MacDonald et al. 2000
BENZO(A)PYRENE	ug/kg		150	CB TEC	MacDonald et al. 2000	1450	CB PEC	MacDonald et al. 2000
BENZO(B)FLUORANTHENE	ug/kg		10400	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
BENZO(G,H,I)PERYLENE	ug/kg		290	TEL	Jones et al. 1997	6300	PEC	Jones et al. 1997
BENZO(K)FLUORANTHENE	ug/kg		240	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
CHRYSENE	ug/kg		166	CB TEC	CB TEC (MacDonald et al. 2000)	1290	CB PEC	MacDonald et al. 2000
DIBENZ(A,H)ANTHRACENE	ug/kg		33	CB TEC	CB TEC (MacDonald et al. 2000)	NSV	-	-
FLUORANTHENE	ug/kg		423	CB TEC	CB TEC (MacDonald et al. 2000)	2230	CB PEC	MacDonald et al. 2000
FLUORENE	ug/kg		77.4	CB TEC	CB TEC (MacDonald et al. 2000)	536	CB PEC	MacDonald et al. 2000
INDENO(1,2,3-CD)PYRENE	ug/kg		78	TEL	Jones et al. 1997	836.66	PEC	Jones et al. 1997
NAPHTHALENE	ug/kg		176	CB TEC	CB TEC (MacDonald et al. 2000)	561	CB PEC	MacDonald et al. 2000
PHENANTHRENE	ug/kg		204	CB TEC	CB TEC (MacDonald et al. 2000)	1170	CB PEC	MacDonald et al. 2000
PYRENE	ug/kg		195	CB TEC	CB TEC (MacDonald et al. 2000)	1520	CB PEC	MacDonald et al. 2000
Total PAHs	ug/kg		1610	CB TEC	CB TEC (MacDonald et al. 2000)	22800	CB PEC	MacDonald et al. 2000
1,2,3-TRICHLOROBENZENE	ug/kg	1,2,4-TRICHLOROBENZENE	9200	ET	OSWER 1996	NSV	-	-
1,2,4-TRICHLOROBENZENE	ug/kg		9200	ET	OSWER 1996	NSV	-	-
1,2-DICHLOROBENZENE	ug/kg		340	ET	OSWER 1996	NSV	-	-
1,2-DIPHENYLHYDRAZINE	ug/kg		NSV	-	-	NSV	-	-
1,3-DICHLOROBENZENE	ug/kg		1700	ET	OSWER 1996	NSV	-	-
1,4-DICHLOROBENZENE	ug/kg		350	ET	OSWER 1996	NSV	-	-
2,4,5-TRICHLOROPHENOL	ug/kg	2,4,6-TRICHLOROPHENOL	208	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
2,4,6-TRICHLOROPHENOL	ug/kg		208	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-

Table 4-5
Screening Ecotoxicity Values (SEVs) for Freshwater Benthic Biota
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference	SEV - High	Type	Reference
2,4-DICHLOROPHENOL	ug/kg		81.7	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
2,4-DIMETHYLPHENOL	ug/kg		304	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
2,4-DINITROPHENOL	ug/kg		6.21	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
2,4-DINITROTOLUENE	ug/kg		14.4	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
2,6-DINITROTOLUENE	ug/kg		39.8	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
2-CHLORONAPHTHALENE	ug/kg		417	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
2-CHLOROPHENOL	ug/kg		31.9	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
2-METHYLNAPHTHALENE	ug/kg		330	Region IV ESV	USEPA 1995	NSV	-	-
2-METHYLPHENOL	ug/kg		55.4	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
2-NITROANILINE	ug/kg		NSV	-	-	NSV	-	-
2-NITROPHENOL	ug/kg		NSV	-	-	NSV	-	-
3,3'-DICHLOROBENZIDINE	ug/kg		127	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
3-NITROANILINE	ug/kg		NSV	-	-	NSV	-	-
4,6-DINITRO-2-METHYLPHENOL	ug/kg		104	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
4-BROMOPHENYL PHENYLETHER	ug/kg		1300	ET	OSWER 1996	NSV	-	-
4-CHLORO-3-METHYLPHENOL	ug/kg		388	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
4-CHLOROANILINE	ug/kg		146	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
4-CHLOROPHENYL-PHENYLETHER	ug/kg	I-BROMOPHENYL PHENYLETHEF	1300	ET	OSWER 1996	NSV	-	-
4-METHYLPHENOL	ug/kg		20.2	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
4-NITROANILINE	ug/kg		NSV	-	-	NSV	-	-
4-NITROPHENOL	ug/kg		NSV	-	-	NSV	-	-
9H-CARBAZOLE	ug/kg		NSV	-	-	NSV	-	-
BENZIDINE	ug/kg		NSV	-	-	NSV	-	-
BENZOIC ACID	ug/kg		NSV	-	-	NSV	-	-
BENZYL ALCOHOL	ug/kg		1.04	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
BIS(2-CHLOROETHOXY)METHANE	ug/kg		NSV	-	-	NSV	-	-
BIS(2-CHLOROETHYL)ETHER	ug/kg		3520	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
BIS(2-CHLOROISOPROPYL)ETHER	ug/kg	BIS(2-CHLOROETHYL)ETHER	3520	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg		182	Region IV ESV	USEPA 1995	NSV	-	-
BUTYLBENZYL PHTHALATE	ug/kg		11000	ET	OSWER 1996	NSV	-	-
DIBENZOFURAN	ug/kg		2000	ET	OSWER 1996	NSV	-	-
DICHLORODIFLUOROMETHANE	ug/kg		NSV	-	-	NSV	-	-
DIETHYLPHTHALATE	ug/kg		630	ET	OSWER 1996	NSV	-	-
DIMETHYLPHTHALATE	ug/kg	DIETHYLPHTHALATE	630	ET	OSWER 1996	NSV	-	-
DI-N-BUTYLPHTHALATE	ug/kg		11000	ET	OSWER 1996	NSV	-	-
DI-N-OCTYL PHTHALATE	ug/kg		40600	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
HEXACHLOROBENZENE	ug/kg		20	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
HEXACHLOROBUTADIENE	ug/kg		26.5	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
HEXACHLOROCYCLOPENTADIENE	ug/kg		901	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
HEXACHLOROETHANE	ug/kg		1000	ET	OSWER 1996	NSV	-	-
ISOPHORONE	ug/kg		432	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
NITROBENZENE	ug/kg		145	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
N-NITROSODIMETHYLAMINE	ug/kg		NSV	-	-	NSV	-	-
N-NITROSO-DI-N-PROPYLAMINE	ug/kg		NSV	-	-	NSV	-	-
N-NITROSODIPHENYLAMINE	ug/kg		NSV	-	-	NSV	-	-
PENTACHLOROPHENOL	ug/kg		2300	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
PHENOL	ug/kg		49.1	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
PYRIDINE	ug/kg		106	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
1,1,1,2-TETRACHLOROETHANE	ug/kg	1,1,2,2-TETRACHLOROETHANE	940	ET	OSWER 1996	NSV	-	-
1,1,1-TRICHLOROETHANE	ug/kg		170	ET	OSWER 1996	NSV	-	-
1,1,2,2-TETRACHLOROETHANE	ug/kg		940	ET	OSWER 1996	NSV	-	-
1,1,2-TRICHLOROETHANE	ug/kg		518	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
1,1,2-TRICHLOROTRIFLUOROETHANE	ug/kg		NSV	-	-	NSV	-	-
1,1-DICHLOROETHANE	ug/kg		0.575	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
1,1-DICHLOROETHENE	ug/kg		19.4	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
1,1-DICHLOROPROPENE	ug/kg	1,2-DICHLOROPROPANE	333	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
1,2,3-TRICHLOROPROPANE	ug/kg	1,1,1-TRICHLOROETHANE	170	ET	OSWER 1996	NSV	-	-

Table 4-5
Screening Ecotoxicity Values (SEVs) for Freshwater Benthic Biota
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference	SEV - High	Type	Reference
1,2-DIBROMO-3-CHLOROPROPANE	ug/kg		NSV	-	-	NSV	-	-
1,2-DIBROMOETHANE	ug/kg	1,1-DICHLOROETHANE	0.575	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
1,2-DIBROMOMETHANE	ug/kg		NSV	-	-	NSV	-	-
1,2-DICHLOROETHANE	ug/kg		260	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
1,2-DICHLOROETHENE (TOTAL)	ug/kg	1,2-DICHLOROETHANE	260	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
1,2-DICHLOROPROPANE	ug/kg		333	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
1,3,5-TRIMETHYLBENZENE	ug/kg	XYLENES (TOTAL)	25	ET	OSWER 1996	NSV	-	-
1,3-DICHLOROPROPANE	ug/kg	1,2-DICHLOROPROPANE	333	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
2,2-DICHLOROPROPANE	ug/kg	1,2-DICHLOROPROPANE	333	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
2-BUTANONE	ug/kg		42.4	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
2-CHLOROETHYL VINYL ETHER	ug/kg		NSV	-	-	NSV	-	-
2-CHLOROTOLUENE	ug/kg	CHLOROBENZENE	820	ET	OSWER 1996	NSV	-	-
2-HEXANONE	ug/kg		58.2	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
4-CHLOROTOLUENE	ug/kg	CHLOROBENZENE	820	ET	OSWER 1996	NSV	-	-
4-METHYL-2-PENTANONE	ug/kg		25.1	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
ACETONE	ug/kg		9.9	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
ACROLEIN	ug/kg		0.00152	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
ACRYLONITRILE	ug/kg		1.2	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
BENZENE	ug/kg		57	ET	OSWER 1996	NSV	-	-
BROMOBENZENE	ug/kg	CHLOROBENZENE	820	ET	OSWER 1996	NSV	-	-
BROMOCHLOROMETHANE	ug/kg	BROMOMETHANE	1.37	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
BROMODICHLOROMETHANE	ug/kg	BROMOMETHANE	1.37	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
BROMOETHANE	ug/kg	BROMOMETHANE	1.37	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
BROMOFORM	ug/kg		492	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
BROMOMETHANE	ug/kg		1.37	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
CARBON DISULFIDE	ug/kg		23.9	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
CARBON TETRACHLORIDE	ug/kg		1450	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
CHLOROBENZENE	ug/kg		820	ET	OSWER 1996	NSV	-	-
CHLOROETHANE	ug/kg	BROMOMETHANE	1.37	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
CHLOROFORM	ug/kg		121	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
CHLOROMETHANE	ug/kg	BROMOMETHANE	1.37	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
CIS-1,2-DICHLOROETHENE	ug/kg	1,1-DICHLOROETHENE	19.4	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
CIS-1,3-DICHLOROPROPENE	ug/kg	1,2-DICHLOROPROPANE	333	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
DIBROMOCHLOROMETHANE	ug/kg	BROMOMETHANE	1.37	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
ETHYLBENZENE	ug/kg		175	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
IODOMETHANE	ug/kg	BROMOMETHANE	1.37	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
METHYLENE CHLORIDE	ug/kg		159	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
O-XYLENE	ug/kg	XYLENES (TOTAL)	25	ET	OSWER 1996	NSV	-	-
STYRENE	ug/kg		254	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
TETRACHLOROETHENE	ug/kg		990	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
TOLUENE	ug/kg		28	ET	OSWER 1996	NSV	-	-
TRANS-1,2-DICHLOROETHENE	ug/kg		654	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
TRANS-1,3-DICHLOROPROPENE	ug/kg	1,2-DICHLOROPROPANE	333	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
TRANS-1,4-DICHLORO-2-BUTENE	ug/kg		NSV	-	-	NSV	-	-
TRICHLOROETHENE	ug/kg	1,1,2-TRICHLOROETHANE	518	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
TRICHLOROFLUOROMETHANE	ug/kg		NSV	-	-	NSV	-	-
VINYL ACETATE	ug/kg		13	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
VINYL CHLORIDE	ug/kg		202	Region 5 RCRA ESL	USEPA 2003b	NSV	-	-
XYLENES (TOTAL)	ug/kg		25	ET	OSWER 1996	NSV	-	-
1,2,4-TRIMETHYLBENZENE	ug/kg	XYLENES (TOTAL)	25	ET	OSWER 1996	NSV	-	-
ISOPROPYLBENZENE	ug/kg	XYLENES (TOTAL)	25	ET	OSWER 1996	NSV	-	-
N-BUTYLBENZENE	ug/kg	XYLENES (TOTAL)	25	ET	OSWER 1996	NSV	-	-
N-PROPYLBENZENE	ug/kg	XYLENES (TOTAL)	25	ET	OSWER 1996	NSV	-	-
P-ISOPROPYLTOLUENE	ug/kg	XYLENES (TOTAL)	25	ET	OSWER 1996	NSV	-	-
SEC-BUTYLBENZENE	ug/kg	XYLENES (TOTAL)	25	ET	OSWER 1996	NSV	-	-
TERT-BUTYL METHYL ETHER	ug/kg		NSV	-	-	NSV	-	-
TERT-BUTYLBENZENE	ug/kg	XYLENES (TOTAL)	25	ET	OSWER 1996	NSV	-	-

Table 4-5
Screening Ecotoxicity Values (SEVs) for Freshwater Benthic Biota
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	Units	Surrogate	SEV - Low	Type	Reference	SEV - High	Type	Reference
Total PAHs	ug/kg		1610	CB TEC	CB TEC (MacDonald et al. 2000)	22800	CB PEC	MacDonald et al. 2000
General Chemistry Parameters								
ACID VOLATILE SULFIDE	ug/kg		NSV	-	-	NSV	-	-
CALCIUM	ug/kg		NSV	-	-	NSV	-	-
CYANIDE	ug/kg		0.1	Region V ESV	EPA 2003	NSV	-	-
PH	pH Units		NSV	-	-	NSV	-	-
POTASSIUM	ug/kg		NSV	-	-	NSV	-	-
SODIUM	ug/kg		NSV	-	-	NSV	-	-
TOTAL ORGANIC CARBON	ug/kg		NSV	-	-	NSV	-	-

Notes:
CB TEC - concensus based threshold effects concentration (MacDonald et al. 2000)
CB PEC - concensus based probable effects concentration (MacDonald et al. 2000)
ESV = ecological screening value
ET = Ecotox Threshold
PEC = probable effects concentration
The SEV-low for manganese is greater than the reported SEV-high (Jones et al. 1997)
Total PAHs include: 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Chrysene, Dibenz(a,h)anthracene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene (Jones et al. 1997).

Table 4-6
Toxicity Reference Values Considered for Avian Wildlife Receptors
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Form / Surrogate	Primary Reference	Test Species	Laboratory Species Body Weight (kg)	Endpoint	Measured Effect	Duration	NOAEL Dose (mg/kgbw-d)	LOAEL Dose (mg/kgbw-d)	Uncertainty Factor (for normalized NOAEL)	Normalized NOAEL TRV (mg/kgbw-d)	Uncertainty Factor (for normalized LOAEL)	Normalized LOAEL TRV (mg/kgbw-d)
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Arsenic	sodium arsenate	Stanley et al., 1994	mallard duck	1.04	reproduction	number of ducklings per successful nest	10 weeks (critical life stage) (Chronic)	9.3	40.3	1	9.3	1	40
Barium	barium hydroxide	Johnson et al., 1960	one day old chick	0.121	Survival	% survival	4 weeks (not a critical life stage) (subchronic)	208	417	0.1	20.8	0.5	208.3
Beryllium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	cadmium sulfate	Leach et al., 1979	chicken	1.55	reproduction	egg production	1 year (Chronic)	0.16	0.61	1	0.16	1	0.61
Chromium	$CrK(SO_4)$	Haseltine et al., 1985	black duck	1.25	reproduction	duckling survival	10 months (Chronic)	1	5	1	1	1	5
Chromium (VI)	$CrK(SO_4)$	Haseltine et al., 1985	black duck	1.25	reproduction	duckling survival	10 months (Chronic)	1	5	1	1	1	5
Cobalt	NA	Eco-SSL (EPA, 2003)	NA	NA	NA	NA	(Chronic)	7.61	NA	1	7.61	NA	NA
Cobalt	NA	Diaz et al., 1994	broiler chicken	1.8	growth	weight	14 days (during critical life stage) (Chronic)	12.36	24.72	NA	NA	1	24.72
Copper	copper oxide	Mehring et al., 1960	chicken	0.534	Survival, growth	% survival, weight	10 weeks (Chronic)	46.97	61.7	1	46.97	1	61.7
Cyanide	NA	Wiemeyer et al., 1986	American kestrel	0.12	Survival	LD50	(acute)	NA	4	0.02	0.08	0.2	0.8
Iron	NA	National Academy of Science, 1980	poultry	1.8	general	impaired performance, fate of residue for human consumption	unknown	70.32	NA	0.1	7.32	1	70.32
Lead	lead acetate	Edens et al., 1976	Japanese Quail	0.15	reproduction	egg hatching success	12 weeks (critical life stage - Chronic)	1.13	11.3	1	1.13	1	11.3
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	manganese oxide	Laskey and Edens, 1985	Coturnix japonica	0.15	growth, behavior	weight gain, aggressive behavior	75 days (Chronic)	98	977	1	98	1	977
Mercury	MeHgCl	Heinz, 1976; Heinz and Hoffman, 1998	mallard duck	0.122	reproduction	duckling 7 day survival	2.5 mo. to 2 generations (Chronic)	0.068	0.37	1	0.068	1	0.37
Nickel	nickel sulfate	Cain and Pafford, 1981	mallard duck	0.78	growth, Survival	tremors, joint edema	90 days (Chronic)	17.6	77.4	1	17.6	1	77.4
Selenium	selenomethionine	Heinz et al., 1989	mallard duck	1.04	reproduction	impaired reproduction	100 days (Chronic)	0.4	0.8	1	0.4	1	0.8
Silver	NA	USEPA 1997b	mallard duck	1.04	NA	NOAEL	14 days (acute)	1780	NA	0.033	59.3	NA	NA
Silver	NA	OPP, 2000	northern bobwhite	0.157	Survival	LD50	14 days (acute)	NA	2250	NA	NA	0.2	450
Thallium	NA	Schafer, 1972	starling[2]	0.064	Survival	% survival	Acute	NA	5.3	0.01	0.053	0.1	0.53
Thallium	NA	Hudson et al., 1984	mallard duck	1.04	Survival	LD50	Acute LD50	NA	36.7	NA	NA	0.1	3.67
Tin	bis (Tributyltin) oxide (TBTO)	Schlatterer et al., 1993	Coturnix quail	0.15	reproduction	egg weight and hatchability were reduced	6 weeks (critical life stage) (Chronic)	6.8	16.9	1	6.8	1	16.9
Vanadium	vanadyl sulfate	White and Dieter, 1978	mallard duck	1.04	Survival, growth, systemic	mortality, body weight, blood chemistry	12 weeks (Chronic)	11.4	NA	1	11.4	NA	NA
Zinc	zinc sulfate	Stahl et al., 1990	chicken	1.8	reproduction	egg hatchability	44 weeks (Chronic)	14.5	131	1	14.5	1	131
1,1,1,2-Tetrachloroethane	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,1,1-Trichloroethane	1,2-Dichloroethane	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,1,2,2-Tetrachloroethane	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,1,2-Trichloroethane	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,1,2-Trichlorotrifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,1-Dichloroethane	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,1-Dichloropropene	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,2,3-Trichlorobenzene	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,2,3-Trichloropropane	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,2,4-Trichlorobenzene	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,2,4-Trimethylbenzene	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4

Table 4-6
Toxicity Reference Values Considered for Avian Wildlife Receptors
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Form / Surrogate	Primary Reference	Test Species	Laboratory Species Body Weight (kg)	Endpoint	Measured Effect	Duration	NOAEL Dose (mg/kgbw-d)	LOAEL Dose (mg/kgbw-d)	Uncertainty Factor (for normalized NOAEL)	Normalized NOAEL TRV (mg/kgbw-d)	Uncertainty Factor (for normalized LOAEL)	Normalized LOAEL TRV (mg/kgbw-d)
1,2-Dibromo-3-chloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,2-Dibromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	1,4-dichlorobenzene	Grimes and Jaber, 1989	bobwhite quail	0.19	Survival/ Growth	LD50/ reduced body weight	(Acute) with bounded NOAEL	250	1608	0.033	53.1	0.2	321.6
1,2-Dichloroethane	NA	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,2-Dichloroethene (total)	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,2-Dichloropropane	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,2-Diphenylhydrazine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,3-Dichloropropane	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
1,4-Dichlorobenzene	NA	Grimes and Jaber, 1989	bobwhite quail	0.19	Survival/ Growth	LD50/ reduced body weight	(Acute) with bounded NOAEL	250	1608	0.033	53.1	0.2	321.6
2,2-Dichloropropane	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
2,4,5-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethyl vinyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	NA	Abou-Donia et al., 1982	chicken	1.7	Survival, systemic growth	NA	90 days (>10 wks=Chronic)	10	100	NA	NA	NA	NA
2-Methylnaphthalene	naphthalene	Wildlife International, 1985	Bobwhite	0.178	Survival	LD50 single dose	Acute	NA	2690	0.02	53.8	0.2	538
2-Methylphenol	4-methylphenol (p-cresol)	Hancock, 1993	northern bobwhite	0.19	Survival, growth	mortality, growth, and feed consumption	(acute)	125	NA	0.033	4.17	NA	NA
2-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-6
Toxicity Reference Values Considered for Avian Wildlife Receptors
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Form / Surrogate	Primary Reference	Test Species	Laboratory Species Body Weight (kg)	Endpoint	Measured Effect	Duration	NOAEL Dose (mg/kgbw-d)	LOAEL Dose (mg/kgbw-d)	Uncertainty Factor (for normalized NOAEL)	Normalized NOAEL TRV (mg/kgbw-d)	Uncertainty Factor (for normalized LOAEL)	Normalized LOAEL TRV (mg/kgbw-d)
4-Bromophenyl phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	NA	Hancock, 1993	northern bobwhite	0.19	Survival, growth	mortality, growth, and feed consumption	(acute)	125	NA	0.033	4.167	NA	NA
4-Nitroaniline	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
7,12-Dimethylbenz(a)anthracene	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
9H-Carbazole	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Acenaphthylene	naphthalene	Wildlife International, 1985	Bobwhite	0.178	Survival	LD50 single dose	Acute	NA	2690	0.02	53.8	0.2	538
Acetone	NA	Hill and Camardese, 1986	Coturnix japonica	0.15	NA	NOAEL	5 days (acute)	3173	NA	0.01	31.73	NA	NA
Acrolein	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	naphthalene	Wildlife International, 1985	Bobwhite	0.178	Survival	LD50 single dose	Acute	NA	2690	0.02	53.8	0.2	538
Aroclor-1016	Aroclor 1254	Platonow and Reinhart, 1973	chicken	0.8	reproduction	decreased egg production, concentration passed to the egg	39 weeks (Chronic)	0.09	NA	1	0.09	NA	NA
Aroclor-1016	Aroclor 1242	Britton and Huston 1973	chicken	0.109	reproduction	hatchability	6 weeks (critical life-stage) (Chronic)	NA	1.27	NA	NA	1	1.27
Aroclor-1221	Aroclor 1254	Platonow and Reinhart, 1973	chicken	0.8	reproduction	decreased egg production, concentration passed to the egg	39 weeks (Chronic)	0.09	NA	1	0.09	NA	NA
Aroclor-1221	Aroclor 1242	Britton and Huston 1973	chicken	0.109	reproduction	hatchability	6 weeks (critical life-stage) (Chronic)	NA	1.27	NA	NA	1	1.27
Aroclor-1232	Aroclor 1254	Platonow and Reinhart, 1973	chicken	0.8	reproduction	decreased egg production, concentration passed to the egg	39 weeks (Chronic)	0.09	NA	1	0.09	NA	NA
Aroclor-1232	Aroclor 1242	Britton and Huston 1973	chicken	0.109	reproduction	hatchability	6 weeks (critical life-stage) (Chronic)	NA	1.27	NA	NA	1	1.27
Aroclor-1242	Aroclor 1254	Platonow and Reinhart, 1973	chicken	0.8	reproduction	decreased egg production, concentration passed to the egg	39 weeks (Chronic)	0.09	NA	1	0.09	NA	NA
Aroclor-1242	NA	Britton and Huston 1973	chicken	0.109	reproduction	hatchability	6 weeks (critical life-stage) (Chronic)	NA	1.27	NA	NA	1	1.27
Aroclor-1248	Aroclor 1254	Platonow and Reinhart, 1973	chicken	0.8	reproduction	decreased egg production, concentration passed to the egg	39 weeks (Chronic)	0.09	NA	1	0.09	NA	NA
Aroclor-1248	Aroclor 1242	Britton and Huston, 1973	chicken	0.109	reproduction	hatchability	6 weeks (critical life-stage) (Chronic)	NA	1.27	NA	NA	1	1.27
Aroclor-1254	NA	Platonow and Reinhart, 1973	chicken	0.8	reproduction	decreased egg production, concentration passed to the egg	39 weeks (Chronic)	0.09	NA	1	0.09	NA	NA
Aroclor-1254	Aroclor 1242	Britton and Huston 1973	chicken	0.109	reproduction	hatchability	6 weeks (critical life-stage) (Chronic)	NA	1.27	NA	NA	1	1.27
Aroclor-1260	Aroclor 1254	Platonow and Reinhart, 1973	chicken	0.8	reproduction	decreased egg production, concentration passed to the egg	39 weeks (Chronic)	0.09	NA	1	0.09	NA	NA
Aroclor-1260	Aroclor 1242	Britton and Huston 1973	chicken	0.109	reproduction	hatchability	6 weeks (critical life-stage) (Chronic)	NA	1.27	NA	NA	1	1.27
Benzene	xylene	Hill and Camardese, 1986	Coturnix japonica	0.15	NA	overt toxicity, mortality, weight gain	8 days (acute)	407	NA	0.033	13.43	NA	NA
Benzidine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Benzo(a)pyrene	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Benzo(b)fluoranthene	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Benzo(g,h,i)perylene	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Benzo(k)fluoranthene	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Benzoic acid	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzyl alcohol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Toxicity Reference Values Considered for Avian Wildlife Receptors
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Form / Surrogate	Primary Reference	Test Species	Laboratory Species Body Weight (kg)	Endpoint	Measured Effect	Duration	NOAEL Dose (mg/kgbw-d)	LOAEL Dose (mg/kgbw-d)	Uncertainty Factor (for normalized NOAEL)	Normalized NOAEL TRV (mg/kgbw-d)	Uncertainty Factor (for normalized LOAEL)	Normalized LOAEL TRV (mg/kgbw-d)
Bis(2-chloroethoxy)methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroethyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bis(2-ethylhexyl)phthalate	NA	Peakall, 1974	ringed dove	0.119	reproduction	egg shell thickness, water absorbed into shell, breaking strength	4 weeks (critical life-stage) (Chronic)	1.11	NA	1	1.11	NA	NA
Bromobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzyl phthalate	Di-n-butylphthalate	Peakall, 1974	ringed dove	0.119	reproduction	egg shell thickness, water absorbed into shell	4 weeks (critical life-stage) (Chronic)	NA	1.1	0.2	0.22	1	1.1
Carbon disulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon tetrachloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	1,4-dichlorobenzene	Grimes and Jaber, 1989	bobwhite quail	0.19	Survival/ Growth	LD50/ reduced body weight	(Acute) with bounded NOAEL	250	1608	0.033	53.1	0.2	321.6
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
cis-1,2-Dichloroethene	1,2-Dichloroethane as surrogate	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (critical lifestage) (Chronic)	17.2	34.4	1	17.2	1	34.4
cis-1,3-Dichloropropene	trans-1,2-Dichloroethylene	Alumot et al., 1976	chicken	1.6	reproduction	reproduction	Chronic	12.04	NA	1	12	NA	NA
Dibenz(a,h)anthracene	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Dibenzofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	Di-n-butylphthalate	Peakall, 1974	ringed dove	0.119	reproduction	egg shell thickness, water absorbed into shell	4 weeks (critical life-stage) (Chronic)	NA	1.1	0.2	0.22	1	1.1
Dimethylphthalate	Di-n-butylphthalate	Peakall, 1974	ringed dove	0.119	reproduction	egg shell thickness, water absorbed into shell	4 weeks (critical life-stage) (Chronic)	NA	1.1	0.2	0.22	1	1.1
Di-n-butylphthalate	NA	Peakall, 1974	ringed dove	0.119	reproduction	egg shell thickness, water absorbed into shell	4 weeks (critical life-stage) (Chronic)	NA	1.1	0.2	0.22	1	1.1
Di-n-octyl phthalate	Di-n-butylphthalate	Peakall, 1974	ringed dove	0.119	reproduction	egg shell thickness, water absorbed into shell	4 weeks (critical life-stage) (Chronic)	NA	1.1	0.2	0.22	1	1.1
Ethylbenzene	xylene	Hill and Camardese, 1986	Coturnix japonica	0.15	NA	overt toxicity, mortality, weight gain	8 days (acute)	407	NA	0.033	13.4	NA	NA
Fluoranthene	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Fluorene	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Hexachlorobenzene	NA	Vos et al., 1971	Coturnix quail	0.15	reproduction	egg volume	Chronic	0.56	2.25	1	0.56	1	2.25
Hexachlorobutadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-CD)pyrene	aromatic hydrocarbon mixture	Patton and Dieter 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Iodomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isophorone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	xylene	Hill and Camardese, 1986	Coturnix japonica	0.15	NA	overt toxicity, mortality, weight gain	8 days	519	NA	0.033	17.11	NA	NA
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	naphthalene	Wildlife International, 1985	Bobwhite	0.178	Survival	LD50 single dose	Acute	NA	2690	0.02	53.8	0.2	538
n-Butylbenzene	xylene	Hill and Camardese, 1986	Coturnix japonica	0.15	NA	overt toxicity, mortality, weight gain	8 days	519	NA	0.033	17.11	NA	NA
Nitrobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodimethylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-6
Toxicity Reference Values Considered for Avian Wildlife Receptors
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Form / Surrogate	Primary Reference	Test Species	Laboratory Species Body Weight (kg)	Endpoint	Measured Effect	Duration	NOAEL Dose (mg/kgbw-d)	LOAEL Dose (mg/kgbw-d)	Uncertainty Factor (for normalized NOAEL)	Normalized NOAEL TRV (mg/kgbw-d)	Uncertainty Factor (for normalized LOAEL)	Normalized LOAEL TRV (mg/kgbw-d)
n-nitroso-di-n-propylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Nitrosodiphenylamine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	xylene	Hill and Camardese, 1986	coturnix japonica	0.15	NA	overt toxicity, mortality, weight gain	8 days	519	NA	0.033	17.11	NA	NA
o-Xylene	xylene	Hill and Camardese, 1986	coturnix japonica	0.15	NA	overt toxicity, mortality, weight gain	8 days	519	NA	0.033	17.11	NA	NA
PAHs	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Pentachlorophenol	NA	Campbell and Jaber, 1993	northern bobwhite	0.192	behaviour	response to stimuli	Acute (14 days)	175	292	0.033	5.775	0.2	58.4
Phenanthrene	aromatic hydrocarbon mixture	Patton and Dieter, 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Phenol	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	xylene	Hill and Camardese, 1986	coturnix japonica	0.15	NA	overt toxicity, mortality, weight gain	8 days	518.6	NA	0.033	17.11	NA	NA
Pyrene	aromatic hydrocarbon mixture	Patton and Dieter 1980	mallard	1.04	growth	body weight	7 months (Chronic)	NA	22.8	0.2	4.56	1	22.8
Pyridine	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	xylene	Hill and Camardese, 1986	coturnix japonica	0.15	NA	overt toxicity, mortality, weight gain	8 days	519	NA	0.033	17.11	NA	NA
Styrene	xylene	Hill and Camardese, 1986	coturnix japonica	0.15	NA	overt toxicity, mortality, weight gain	8 days	519	NA	0.033	17.11	NA	NA
tert-Butyl methyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	xylene	Hill and Camardese, 1986	coturnix japonica	0.15	NA	overt toxicity, mortality, weight gain	8 days	519	NA	0.033	17.11	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	xylene	Hill and Camardese, 1986	coturnix japonica	0.15	NA	overt toxicity, mortality, weight gain	8 days (acute)	407	NA	0.033	13.43	NA	NA
Total PCBs	Aroclor 1254	Platonow and Reinhart, 1973	chicken	0.8	reproduction	decreased egg production, concentration passed to the egg	39 weeks (Chronic)	0.09	NA	1	0.09	NA	NA
Total PCBs	Aroclor 1242	Britton and Huston, 1973	chicken	0.109	reproduction	hatchability	6 weeks (critical life stage) (Chronic)	NA	1.27	NA	NA	1	1.27
Trans-1,2-Dichloroethene	NA	Alumot et al., 1976	chicken	1.6	reproduction	reproduction	Chronic	12.04	NA	1	12	NA	NA
Trans-1,3-Dichloropropene	trans-1,2-Dichloroethylene	Alumot et al., 1976	chicken	1.6	reproduction	reproduction	Chronic	12.04	NA	1	12	NA	NA
Trans-1,4-dichloro-2-butene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	1,2-Dichloroethane	Alumot et al., 1976	chicken	1.6	reproduction	egg production	2 year (> 10 week and during a critical lifestage -Chronic)	17.2	34.4	1	17.2	1	34.4
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Xylenes (total)	NA	Hill and Camardese, 1986	coturnix japonica	0.15	NA	overt toxicity, mortality, weight gain	8 days (acute)	407	NA	0.033	13.43	NA	NA
Alkalinity, Bicarb.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Carb.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alkalinity, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia as NH3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate as N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrite as N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrogen-TKN	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Orthophosphate as P	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phosphorus	NA	Hamrs et al., 1965 and Charles and Jensen, 1975 in McDowell (1992)	chicken	1.8	reproduction	egg production, egg shell thinning	NA	NA	8000	0.01	80	0.1	800
Phosphorus, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Potassium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Salinity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4-6
Toxicity Reference Values Considered for Avian Wildlife Receptors
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Form / Surrogate	Primary Reference	Test Species	Laboratory Species Body Weight (kg)	Endpoint	Measured Effect	Duration	NOAEL Dose (mg/kgbw-d)	LOAEL Dose (mg/kgbw-d)	Uncertainty Factor (for normalized NOAEL)	Normalized NOAEL TRV (mg/kgbw-d)	Uncertainty Factor (for normalized LOAEL)	Normalized LOAEL TRV (mg/kgbw-d)
Sodium, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide, Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Dissolved Solids	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Solids (residue)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

NOAEL = no observed adverse effect level

LOAEL = lowest observed adverse effect level

1) Selections of TRVs and application of Uncertainty Factors was performed in accordance with *Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments* (EPA, 1997)

2) the following preferences were used when selecting studies:

NOAEL endpoints were given preference over LOAEL endpoints when both were available. Studies with LD50s as endpoints were only selected when studies for sublethal effects were not available.

Chronic studies were selected over subchronic studies and subchronic studies were selected over acute studies when multiple studies of varying duration were available for selection.

Studies with reproduction as the endpoint were selected before studies with mortality as the endpoint which were selected before studies with growth as the endpoint which were selected before studies with systemic effects as the endpoint.

Studies with the most complete information and therefore the least resulting uncertainty were given preference in study selection.

Studies from surrogate chemicals were only selected when no other study for a particular COC was found.

3) Definitions of study duration for birds

chronic = >10 weeks or during critical lifestage

subchronic = 4-10 weeks

subacute = <4 weeks, multiple doses

acute = only one dose

Table 4-7
Exposure Parameters for Aquatic Avian Wildlife Receptors
Site-Wide Screening Level ERA for the CPCPRC Site

		Body Weight		Water Ingestion Rate		Food Ingestion Rate[a] (dry weight)		Soil Ingestion Rate		Diet Composition (%)			Home Range	
Species	Feeding Guild	kg	Reference	L/kg-bw/d	Reference	kg/kg-bw/d	Reference	% of Diet	Reference	Benthic Invertebrates	Fish	**Reference**	Home Range (acres)	Reference
Great Blue Heron	Piscivorous Bird	2.23	USEPA, 1993	0.045	USEPA 1993	0.044	USEPA 1993	0	Sample and Suter, 1994	0	100	USEPA 1993b	**1.48**-20.76	USEPA, 1993b
Black-Necked Stilt	Insectivorous Bird	0.166	Robinson et al., 1999	0.107	USEPA, 1993	0.107	USEPA, 1993	17	Beyer et al., 1994	100	0	Hothem and Ohlendorf, 1989	**0.25**	Tibbitts and Moskoff, 1999

Notes:

The lower limit of each home range was compared against the areas of each potential exposure location at the CPCPRC Site (AES = 1.15 acres; Beach >1.5 acres ; Channel = 0.83 acres; Ditches = 0.0344 acres; Holding Pond = 0.71 acres) to determine Area Use Factors.

A reported home-range for the lesser yellowlegs (0.25 acres) was used as a surrogate value for the black-necked stilt home range (24.7 acres; J.P. Skorupa/USFWS pers. Comm with H. Ohlendorf, 10/15/97) as a measure of conservatism to be protective of aquatic insectivore species with small foraging ranges.

Table 4-8
Chemical Biotransfer Factors
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Log Kow	Source	Benthic Invertebrate BAF (mg/kg-dry)/ (mg/kg-sediment)	BO	B1	Source	Fish BCF (mg/kg-dry)/ (mg/L-water)	Source
Antimony	-	-	1	NA	NA	assumed	1	Sample et al. 1996
Arsenic	-	-	NA	-0.572	0.873	Bechtel Jacobs 1998b	17	Sample et al. 1996
Barium	-	-	0.16	-	-	Sample et al. 1998	1	Assumed
Beryllium	-	-	1.182	-	-	Sample et al. 1998	19	Sample et al. 1996
Cadmium	-	-	NA	0.191	0.668	Bechtel Jacobs 1998b	12,400	Sample et al. 1996
Chromium	-	-	NA	0.2092	0.365	Bechtel Jacobs 1998b	3	Sample et al. 1996
Chromium (VI)	-	-	NA	0.2092	0.365	Bechtel Jacobs 1998b	3	Sample et al. 1996
Cobalt	-	-	0.16	-	-	Sample et al. 1998	1	Assumed
Copper	-	-	NA	1.037	0.359	Bechtel Jacobs 1998b	290	Sample et al. 1996
Iron	-	-	0.078	-	-	Sample et al. 1998	1	Assumed
Lead	-	-	NA	-0.776	0.801	Bechtel Jacobs 1998b	45	Sample et al. 1996
Magnesium	-	-	0.425	-	-	Sample et al. 1998	1	Assumed
Manganese	-	-	NA	-0.809	0.682	Sample et al. 1998	1	Assumed
Mercury	-	-	NA	-0.67	0.327	Bechtel Jacobs 1998b	5000	ATSDR 1999
Nickel	-	-	NA	-0.44	0.695	Bechtel Jacobs 1998b	106	Sample et al. 1996
Selenium	-	-	NA	-0.075	0.733	Sample et al. 1998	2600	Sample et al. 1996
Silver	-	-	15.338	-	-	Sample et al. 1998	1	Assumed
Thallium	-	-	34	-	-	Sample et al. 1998	34	Sample et al. 1996
Tin	-	-	1	-	-	assumed	1	Assumed
Vanadium	-	-	0.088	-	-	Sample et al. 1998	1	Assumed
Zinc	-	-	NA	1.77	0.242	Bechtel Jacobs 1998b	966	Sample et al. 1996
1,1,1,2-Tetrachloroethane	3.03	GEMS	21.63	-	-	Southworth et al. 1978	122	Lyman et al. 1982
1,1,1-Trichloroethane	2.50	Mabey et al. (1982)	7.97	-	-	Southworth et al. 1978	47.2	Sample et al. 1996
1,1,2,2-Tetrachloroethane	2.39	EPA (1984ap)	6.48	-	-	Southworth et al. 1978	38.8	Sample et al. 1996
1,1,2-Trichloroethane	2.47	EPA (1984at)	7.53	-	-	Southworth et al. 1978	44.8	Lyman et al. 1982
1,1,2-Trichlorotrifluoroethane	3.16	Hansch et al. 1995	27.67	-	-	Southworth et al. 1978	155	Lyman et al. 1982
1,1-Dichloroethene	2.13	Hansch and Leo, 1985	3.97	-	-	Southworth et al. 1978	24.6	Sample et al. 1996
1,1-Dichloroethane	1.79	EPA (1984r)	2.09	-	-	Southworth et al. 1978	13.6	Lyman et al. 1982
1,1-Dichloropropene	2.53	www.syres.com KowWin	8.43	-	-	Southworth et al. 1978	50.7	Lyman et al. 1982
1,2,3-Trichlorobenzene	4.05	Sangster 1984	148	-	-	Southworth et al. 1978	927	Lyman et al. 1982
1,2,3-Trichloropropane	4.57	PCALC	396	-	-	Southworth et al. 1978	3417	Lyman et al. 1982
1,2,4-Trichlorobenzene	4.30	Mabey et al. (1982)	238	-	-	Southworth et al. 1978	1765	Lyman et al. 1982
1,2,4-Trimethylbenzene	3.63	Hansch et al. (1995)	67	-	-	Southworth et al. 1978	381	Lyman et al. 1982
1,2-Dibromo-3-chloropropane	2.29	Jaber et al. (1984)	5.36	-	-	Southworth et al. 1978	32.6	Lyman et al. 1982
1,2-Dibromoethane	1.96	Hansch and Leo, 1985	2.88	-	-	Southworth et al. 1978	18.3	Lyman et al. 1982
1,2-Dibromomethane	3.38	Hansch and Leo, 1985	42	-	-	Southworth et al. 1978	230	Lyman et al. 1982
1,2-Dichlorobenzene	3.60	Mabey et al. (1982)	64	-	-	Southworth et al. 1978	363	Lyman et al. 1982
1,2-Dichloroethane	1.48	EPA (1984s)	1.16	-	-	Southworth et al. 1978	7.71	Sample et al. 1996
1,2-Dichloroethene (total)	1.86	Hansch and Leo (1985)	2.38	-	-	Southworth et al. 1978	15.35	Sample et al. 1996
1,2-Dichloropropane	2	Mabey et al. (1982)	3.10	-	-	Southworth et al. 1978	19.6	Lyman et al. 1982
1,2-Diphenylhydrazine	6.68	Mabey et al. (1982)	21015	-	-	Southworth et al. 1978	994431	Lyman et al. 1982
1,3,5-Trimethylbenzene	3.63	Hansch et al. (1995)	0.7	-	-	Southworth et al. 1978	1.0	-
1,3-Dichlorobenzene	3.60	Mabey et al. (1982)	63	-	-	Southworth et al. 1978	353.6	Lyman et al. 1982

Table 4-8
Chemical Biotransfer Factors
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Log Kow	Source	Benthic Invertebrate BAF (mg/kg-dry)/ (mg/kg-sediment)	BO	B1	Source	Fish BCF (mg/kg-dry)/ (mg/L-water)	Source
1,3-Dichloropropane	2	Hansch et al. 1995	3.10	-	-	Southworth et al. 1978	19.6	Lyman et al. 1982
1,4-Dichlorobenzene	3.60	Mabey et al. (1982)	63.43	-	-	Southworth et al. 1978	353.6	Lyman et al. 1982
2,2-Dichloropropane	2.92	www.syres.com KowWin	17.60	-	-	Southworth et al. 1978	100.3	Lyman et al. 1982
2,4,5-Trichlorophenol	3.72	EPA (1984aw)	79.58	-	-	Southworth et al. 1978	446.3	Lyman et al. 1982
2,4,6-Trichlorophenol	3.87	EPA (1984ax)	106	-	-	Southworth et al. 1978	618.0	Lyman et al. 1982
2,4-Dichlorophenol	2.90	Mabey et al. (1982)	16.94	-	-	Southworth et al. 1978	96.8	Lyman et al. 1982
2,4-Dimethylphenol	2.81	Mabey et al. (1982)	14.31	-	-	Southworth et al. 1978	82.8	Lyman et al. 1982
2,4-Dinitrophenol	1.50	Mabey et al. (1982)	1.21	-	-	Southworth et al. 1978	8.2	Lyman et al. 1982
2,4-Dinitrotoluene	2	Mabey et al. (1982)	3.10	-	-	Southworth et al. 1978	19.6	Lyman et al. 1982
2,6-Dinitrotoluene	2.05	Callahan et al. (1979a)	3.41	-	-	Southworth et al. 1978	21.4	Lyman et al. 1982
2-Butanone	0.27	EPA (1984ae)	0.12	-	-	Southworth et al. 1978	0.96	Sample et al. 1996
2-Chloroethyl vinyl ether	1.17	KowWin on SyRes.com	0.65	-	-	Southworth et al. 1978	4.6	Lyman et al. 1982
2-Chloronaphthalene	4	Mabey et al. (1982)	135	-	-	Southworth et al. 1978	809	Lyman et al. 1982
2-Chlorophenol	2.18	Mabey et al. (1982)	4.35	-	-	Southworth et al. 1978	26.8	Lyman et al. 1982
2-Chlorotoluene	NA	NA	1	-	-	Southworth et al. 1978	1.0	-
2-Hexanone	1.38	GEMS	0.96	-	-	Southworth et al. 1978	6.6	Lyman et al. 1982
2-Methylnaphthalene	3.86	EPA (1979)	104	-	-	Southworth et al. 1978	607	Lyman et al. 1982
2-Methylphenol	1.97	ICF (1987)	2.93	-	-	Southworth et al. 1978	19.26	Sample et al. 1996
2-Nitroaniline	NA	NA	1	-	-	Southworth et al. 1978	1.0	-
2-Nitrophenol	1.79	Hansch and Leo 1985	2.09	-	-	Southworth et al. 1978	13.6	Lyman et al. 1982
3,3'-Dichlorobenzidine	3.50	Mabey et al. (1982)	52.51	-	-	Southworth et al. 1978	287.0	Lyman et al. 1982
3-Nitroaniline	NA	NA	1	-	-	Southworth et al. 1978	1.0	-
4,6-Dinitro-2-methylphenol	2.70	Mabey et al. (1982)	11.62	-	-	Southworth et al. 1978	68.2	Lyman et al. 1982
4-Bromophenyl phenylether	NA	NA	1	-	-	Southworth et al. 1978	1.0	-
4-Chloro-3-methylphenol	3.10	Cutter (1970)	24.73	-	-	Southworth et al. 1978	138.3	Lyman et al. 1982
4-Chloroaniline	1.83	Tichy and Bocek (1987)	2.25	-	-	Southworth et al. 1978	14.6	Lyman et al. 1982
4-Chlorophenyl-phenylether	4.08	Evanson (1977)	156.62	-	-	Southworth et al. 1978	975.2	Lyman et al. 1982
4-Chlorotoluene	NA	NA	1	-	-	Southworth et al. 1978	1.0	-
4-Methyl-2-pentanone	0.72	ICF (1987)	0.28	-	-	Southworth et al. 1978	4.73	Sample et al. 1996
4-Methylphenol	1.93	EPA (1979)	2.72	-	-	Southworth et al. 1978	17.3	Lyman et al. 1982
4-Nitroaniline	1.39	Fujita et al. (1964)	0.98	-	-	Southworth et al. 1978	6.7	Lyman et al. 1982
4-Nitrophenol	1.91	Fujita et al. (1964)	2.62	-	-	Southworth et al. 1978	16.7	Lyman et al. 1982
7,12-Dimethylbenz(a)anthracene	5.8	Hansch and Leo 1985	4020	-	-	Southworth et al. 1978	133199	Lyman et al. 1982
9H-Carbazole	3.72	Howard and Maylan (1997)	79.58	-	-	Southworth et al. 1978	446	Lyman et al. 1982
Acenaphthene	3.92	Hansch and Leo 1985	2.04	-	-	Maruya et al, 1997	387	Barrows et al. 1980
Acenaphthylene	3.70	Mabey et al. (1982)	76.59	-	-	Southworth et al. 1978	431	Lyman et al. 1982
Acetone	-0.24	Verschueren (1983)	0.03	-	-	EPA, 1999	0.39	Sample et al. 1996
Acrolein	0.01	Mabey et al. (1982)	0.07	-	-	Southworth et al. 1978	0.6	Lyman et al. 1982
Acrylonitrile	0.25	Mabey et al. (1982)	0.11	-	-	Southworth et al. 1978	0.9	Lyman et al. 1982
Anthracene	4.45	Mabey et al. (1982)	315	-	-	Southworth et al. 1978	1126	Hall and Oris 1991
Aroclor-1016	6.29	Hansch et al. 1995	NA	0.59	1.11	Bechtel Jacobs 1998b	75338	Sample et al. 1996
Aroclor-1221	6.29	Hansch et al. 1995	NA	0.59	1.11	Bechtel Jacobs 1998b	450709	Lyman et al. 1982
Aroclor-1232	6.29	Hansch et al. 1995	NA	0.59	1.11	Bechtel Jacobs 1998b	450709	Lyman et al. 1982

Table 4-8
Chemical Biotransfer Factors
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Log Kow	Source	Benthic Invertebrate BAF (mg/kg-dry)/ (mg/kg-sediment)	BO	B1	Source	Fish BCF (mg/kg-dry)/ (mg/L-water)	Source
Aroclor-1242	6.29	Hansch et al. 1995	NA	0.59	1.11	Bechtel Jacobs 1998b	75338	Sample et al. 1996
Aroclor-1248	6.29	Hansch et al. 1995	NA	0.59	1.11	Bechtel Jacobs 1998b	366009	Sample et al. 1996
Aroclor-1254	6.29	Hansch et al. 1995	NA	0.59	1.11	Bechtel Jacobs 1998b	1850000	Sample et al. 1996
Aroclor-1260	6.29	Hansch et al. 1995	NA	0.59	1.11	Bechtel Jacobs 1998b	450709	Lyman et al. 1982
Benzene	4.88	EPA, 1984c	713	-	-	Southworth et al. 1978	24.6	Sample et al. 1996
Benzidine	1.30	Mabey et al. (1982)	0.83	-	-	Southworth et al. 1978	5.7	Lyman et al. 1982
Benzo(a)anthracene	5.76	Howard and Maylan (1997)	0.358	-	-	Maruya et al, 1997	28894	Lyman et al., 1982
Benzo(a)pyrene	5.97	Howard and Maylan (1997)	0.127	-	-	Maruya et al, 1997	608	McCarthy and Jinenez 1985
Benzo(b)fluoranthene	5.78	Howard and Maylan (1997)	0.15	-	-	Maruya et al, 1997	30	EPA, 2002
Benzo(g,h,i)perylene	6.63	Hansch and Leo et al. 1995	19230	-	-	Southworth et al. 1978	915780	Lyman et al. 1982
Benzo(k)fluoranthene	6.11	Howard and Maylan (1997)	7221	-	-	Southworth et al. 1978	312997	Lyman et al. 1982
Benzoic acid	1.87	GEMS	2.43	-	-	Southworth et al. 1978	15.6	Lyman et al. 1982
Benzyl alcohol	1.10	Howard and Maylan (1997)	0.57	-	-	Southworth et al. 1978	4.0	Lyman et al. 1982
Bis(2-chloroethoxy)methane	NA	NA	1	-	-	Southworth et al. 1978	1.0	-
Bis(2-chloroethyl)ether	1.50	Mabey et al. (1982)	1.21	-	-	Southworth et al. 1978	8.2	Lyman et al. 1982
Bis(2-chloroisopropyl)ether	2.10	Mabey et al. (1982)	3.75	-	-	Southworth et al. 1978	23.4	Lyman et al. 1982
Bis(2-ethylhexyl)phthalate	7.60	Howard and Maylan (1997)	119758	-	-	Southworth et al. 1978	130	Sample et al. 1996
Bromobenzene	NA	NA	1	-	-	Southworth et al. 1978	1.0	-
Bromochloromethane	NA	NA	1	-	-	Southworth et al. 1978	1.0	-
Bromodichloromethane	2.24	PCALC	4.89	-	-	Southworth et al. 1978	29.9	Lyman et al. 1982
Bromoethane	NA	NA	1	-	-	Southworth et al. 1978	1.0	-
Bromoform	2.40	Mabey et al. (1982)	6.60	-	-	Southworth et al. 1978	39.4	Lyman et al. 1982
Bromomethane	1.19	GEMS	0.67	-	-	Southworth et al. 1978	4.7	Lyman et al. 1982
Butylbenzyl phthalate	4.84	MacKay Vol. 4 (1992)	658	-	-	Southworth et al. 1978	7807.7	Lyman et al. 1982
Carbon disulfide	2	Dawson et al. (1980)	3.10	-	-	Southworth et al. 1978	19.6	Lyman et al. 1982
Carbon tetrachloride	2.64	EPA (1984i)	10.37	-	-	Southworth et al. 1978	70.65	Sample et al. 1996
Chlorobenzene	2.84	EPA (1984k)	15.14	-	-	Southworth et al. 1978	87.2	Lyman et al. 1982
Chloroethane	1.43	Jow and Hansch (1987)	1.06	-	-	Southworth et al. 1978	7.2	Lyman et al. 1982
Chloroform	1.97	EPA (1984l)	2.93	-	-	Southworth et al. 1978	17.04	Sample et al. 1996
Chloromethane	0.95	Jaber et al. (1984)	0.43	-	-	Southworth et al. 1978	3.1	Lyman et al. 1982
Chrysene	5.50	Howard and Maylan (1997)	0.20	-	-	Maruya et al, 1997	30	EPA, 2002
cis-1,2-Dichloroethene	1.86	Hansch and Leo 1985	2.38	-	-	Southworth et al. 1978	15.3	Lyman et al. 1982
cis-1,3-Dichloropropene	2	Mabey et al. (1982)	3.10	-	-	Southworth et al. 1978	19.6	Lyman et al. 1982
Cyanide	-0.58	Dawson et al., 1980	0.02	-	-	Southworth et al. 1978	0	Sample et al. 1996
Dibenz(a,h)anthracene	6.70	MacKay Vol. 2, 1992	0.21	-	-	Maruya et al, 1997	30	USEPA, 2002
Dibenzofuran	4.12	Hansch and Leo 1985	169	-	-	Southworth et al. 1978	1100	Lyman et al. 1982
Dibromochloromethane	2.09	Callahan et al. (1979)	3.68	-	-	Southworth et al. 1978	22.9	Lyman et al. 1982
Dichlorodifluoromethane	2.16	USEPA 1995	4.20	-	-	Southworth et al. 1978	25.9	Lyman et al. 1982
Diethylphthalate	2.46	McDuffie et al. (1984)	7.38	-	-	Southworth et al. 1978	47.24	Sample et al. 1996
Dimethylphthalate	1.56	Mabey et al. (1982)	1.35	-	-	Southworth et al. 1978	9.1	Lyman et al. 1982
Di-n-butylphthalate	4.61	MacKay Vol. 4 (1992)	426	-	-	Southworth et al. 1978	3661	Sample et al. 1996
Di-n-octyl phthalate	9.87	Mabey et al. (1982)	8657270	-	-	Southworth et al. 1978	27869007	Lyman et al. 1982
Ethylbenzene	3.15	EPA (1984v)	27.12	-	-	Southworth et al. 1978	151.8	Lyman et al. 1982

Table 4-8
Chemical Biotransfer Factors
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Log Kow	Source	Benthic Invertebrate BAF (mg/kg-dry)/ (mg/kg-sediment)	BO	B1	Source	Fish BCF (mg/kg-dry)/ (mg/L-water)	Source
Fluoranthene	5.16	Howard and Maylan (1997)	0.21	-	-	Maruya et al, 1997	1150	EPA, 2002
Fluorene	4.20	Radding et al. (1976)	0.48	-	-	Maruya et al, 1997	1800	Finger et al. 1985
Hexachlorobenzene	5.23	EPA (1984w)	1373	-	-	Southworth et al. 1978	26709	Lyman et al. 1982
Hexachlorobutadiene	4.78	EPA (1984x)	588	-	-	Southworth et al. 1978	5502	Lyman et al. 1982
Hexachlorocyclopentadiene	4	Mabey et al. (1982)	135	-	-	Southworth et al. 1978	809	Lyman et al. 1982
Hexachloroethane	4.60	Mabey et al. (1982)	418	-	-	Southworth et al. 1978	3597	Lyman et al. 1982
Indeno(1,2,3-cd)pyrene	6.70	Howard and Maylan (1997)	0.17	-	-	Maruya et al, 1997	30	EPA, 2002
Iodomethane	NA	NA	1	-	-	Southworth et al. 1978	1.0	-
Isophorone	2.26	Mabey et al. (1982)	5.07	-	-	Southworth et al. 1978	30.9	Lyman et al. 1982
Isopropylbenzene	3.66	Hansch et al. (1995)	71.05	-	-	Southworth et al. 1978	402	Lyman et al. 1982
Methane	NA	NA	1	-	-	Southworth et al. 1978	1.0	-
Methylene chloride	1.25	Howard and Maylan (1997)	0.76	-	-	Southworth et al. 1978	5.25	Sample et al. 1996
Naphthalene	3.23	Mabey et al. (1982)	2.09	-	-	Maruya et al, 1997	310	McCarthy and Jimenez 1985
n-Butylbenzene	4.01	www.syres.com KowWin	137	-	-	Southworth et al. 1978	864	Lyman et al. 1982
Nitrobenzene	1.85	Callahan et al. (1979)	2.34	-	-	Southworth et al. 1978	15.1	Lyman et al. 1982
n-Nitrosodimethylamine	-0.68	Mabey et al. (1982)	0.02	-	-	Southworth et al. 1978	0.2	Lyman et al. 1982
n-nitroso-di-n-propylamine	1.49	Mabey et al. (1982)	1.19	-	-	Southworth et al. 1978	8.0	Lyman et al. 1982
n-Nitrosodiphenylamine	3.13	Mabey et al. (1982)	26.17	-	-	Southworth et al. 1978	146	Lyman et al. 1982
n-Propylbenzene	3.52	www.syres.com KowWin	54.56	-	-	Southworth et al. 1978	307	Lyman et al. 1982
o-Xylene	2.95	Dawson et al. (1980)	18.62	-	-	Southworth et al. 1978	106	Lyman et al. 1982
Pentachlorophenol	5	Mabey et al. (1982)	889	-	-	Southworth et al. 1978	3643	Sample et al. 1996
Phenanthrene	4.46	Radding et al. (1976)	321	-	-	Southworth et al. 1978	3000	Carlson et al. 1979
Phenol	1.46	EPA (1984aj)	1.12	-	-	Southworth et al. 1978	7.6	Lyman et al. 1982
p-Isopropyltoluene	4.1	Hansch et al. (1995)	163	-	-	Southworth et al. 1978	1011	Lyman et al. 1982
Pyrene	4.88	Howard and Maylan (1997)	0.44	-	-	Maruya et al, 1997	1130	deVoogt et al. 1991
Pyridine	0.66	Dawson et al. (1980)	0.25	-	-	Southworth et al. 1978	1.9	Lyman et al. 1982
sec-Butylbenzene	3.94	Syres.com Kowin	120	-	-	Southworth et al. 1978	728	Lyman et al. 1982
Styrene	2.95	Kaitani and Hansch (1987)	18.62	-	-	Southworth et al. 1978	106	Lyman et al. 1982
tert-Butylbenzene	4.11	Hansch et al. (1995)	166	-	-	Southworth et al. 1978	1080	Lyman et al. 1982
Tert-butyl methyl ether	1.24	Fujiwara et al.(1984	0.74	-	-	Southworth et al. 1978	5.2	Lyman et al. 1982
Tetrachloroethene	2.60	EPA (1984aq)	9.62	-	-	Southworth et al. 1978	57.3	Lyman et al. 1982
Toluene	2.73	EPA (1984ar)	12.30	-	-	Southworth et al. 1978	74.47	Sample et al. 1996
Trans-1,2-Dichloroethene	1.48	RAIS	1.16	-	-	Southworth et al. 1978	7.9	Lyman et al. 1982
Trans-1,3-Dichloropropene	2	Mabey et al. (1982)	3.10	-	-	Southworth et al. 1978	19.6	Lyman et al. 1982
Trans-1,4-dichloro-2-butene	-0.30	PCALC	0.04	-	-	Southworth et al. 1978	0.3	Lyman et al. 1982
Trichloroethene	2.42	Howard and Maylan (1997)	6.85	-	-	Southworth et al. 1978	68.22	Sample et al. 1996
Trichlorofluoromethane	2.53	Callahan et al. (1979)	8.44	-	-	Southworth et al. 1978	50.7	Lyman et al. 1982
Vinyl acetate	0.47	PCALC	0.17	-	-	Southworth et al. 1978	1.3	Lyman et al. 1982
Vinyl chloride	1.38	EPA (1984ay)	0.96	-	-	Southworth et al. 1978	8.13	Sample et al. 1996
Xylenes (total)	3.26	Dawson et al. (1980)	33.42	-	-	Southworth et al. 1978	186.2	Lyman et al. 1982
Alkalinity, Bicarb.	0	No Value	1	-	-	-	1	-
Alkalinity, Carb.	0	No Value	1	-	-	-	1	-
Alkalinity, Total	0	No Value	1	-	-	-	1	-

Table 4-8
Chemical Biotransfer Factors
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Log Kow	Source	Benthic Invertebrate BAF (mg/kg-dry)/ (mg/kg-sediment)	BO	B1	Source	Fish BCF (mg/kg-dry)/ (mg/L-water)	Source
Ammonia as NH3	0	No Value	1	-	-	-	1	-
AMMONIA as NH3, Total	0	No Value	1	-	-	-	1	-
Calcium	0	No Value	1	-	-	-	1	-
Calcium, Total	0	No Value	1	-	-	-	1	-
Chloride	0	No Value	1	-	-	-	1	-
Nitrate as N	0	No Value	1	-	-	-	1	-
Nitrite as N	0	No Value	1	-	-	-	1	-
Nitrogen-TKN	0	No Value	1	-	-	-	1	-
Orthophosphate as P	0	No Value	1	-	-	-	1	-
Potassium	0	No Value	1	-	-	-	1	-
Sodium	0	No Value	1	-	-	-	1	-
Phosphorus	0	No Value	1	-	-	-	1	-

Notes:

NA = not available.

All biotransfer factors are expressed as dry weight.

BAF = sediment to benthic invertebrate bioaccumulation factor

BCF = water to organism bioconcentration factor

Uptake factors calculated for As, Cd, Cr, Cu, Pb, Hg, Mn, Ni, Se, Zn, and PCBs from log-linear regression models (Bechtel Jacobs 1998b; Sample et al., 1998a) where:

ln (Prey Conc) = B1*(ln[Site Specific Sediment Concentration]) + B0

Table 4-9
Initial Screening Summary for Marine Life Exposed to Undiluted Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
Dissolved Metals (ug/L)						
Antimony	3.4 - 10	0 / 7	-	500	0.020	No
Arsenic		3 / 8	8.70	36	0.24	No
Barium		6 / 7	1030	4	**260**	**Yes**
Beryllium	1.4 - 5.0	0 / 7	-	0.66	**7.6**	**Yes**
Cadmium		1 / 8	5	8.8	0.57	No
Chromium (VI)	6.0 - 10	0 / 5	-	50	0.20	No
Chromium		1 / 7	10	50	0.20	No
Cobalt		2 / 7	3.40	23	0.15	No
Copper		1 / 8	11	3.1	**3.5**	**Yes**
Iron		6 / 7	9200	1000	**9.2**	**Yes**
Lead		2 / 8	5.20	8.1	0.64	No
Magnesium		7 / 7	915000	NSV	--	Uncertainty
Manganese		8 / 8	4200	120	**35**	**Yes**
Mercury	0.058 - 0.20	0 / 8	-	0.94	0.21	No
Nickel		1 / 8	40	8.2	**4.9**	**Yes**
Selenium		2 / 7	25	71	0.35	No
Silver	0.70 - 1.8	0 / 6	-	0.36	**5.0**	**Yes**
Vanadium		1 / 7	18	20	0.90	No
Zinc		5 / 7	191	81	**2.4**	**Yes**
Organics (ug/L)						
1,1,1,2-Tetrachloroethane	0.50	0 / 1	-	610	<0.01	No
1,1,1-Trichloroethane	0.040 - 1.1	0 / 9	-	11	0.10	No
1,1,2,2-Tetrachloroethane	0.060 - 1.0	0 / 9	-	610	<0.01	No
1,1,2-Trichloroethane	0.040 - 1.0	0 / 9	-	1200	<0.01	No
1,1-Dichloroethane	0.040 - 1.0	0 / 9	-	47	0.021	No
1,1-Dichloroethene	0.040 - 1.5	0 / 9	-	25	0.060	No
1,1-Dichloropropene	0.50	0 / 1	-	3040	<0.01	No

Table 4-9
Initial Screening Summary for Marine Life Exposed to Undiluted Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
1,2,3-Trichlorobenzene	0.50	0 / 1	-	129	<0.01	No
1,2,3-Trichloropropane	0.50	0 / 1	-	NSV	--	Uncertainty
1,2,4-Trichlorobenzene	0.50 - 10	0 / 9	-	129	0.078	No
1,2,4-Trimethylbenzene	0.50	0 / 1	-	7.3	0.068	No
1,2-Dibromo-3-chloropropane	0.50	0 / 1	-	NSV	--	Uncertainty
1,2-Dibromoethane	0.50	0 / 1	-	16	0.031	No
1,2-Dibromomethane	0.50	0 / 1	-	16	0.031	No
1,2-Dichlorobenzene	0.50 - 10	0 / 9	-	129	0.078	No
1,2-Dichloroethane	0.040 - 1.0	0 / 9	-	910	<0.01	No
1,2-Dichloropropane	0.090 - 1.0	0 / 9	-	3040	<0.01	No
1,3,5-Trimethylbenzene	0.50	0 / 1	-	7.3	0.068	No
1,3-Dichlorobenzene	0.50 - 10	0 / 9	-	38	0.26	No
1,3-Dichloropropane	0.50	0 / 1	-	3040	<0.01	No
1,4-Dichlorobenzene	0.47 - 10	0 / 9	-	129	0.078	No
2,2-Dichloropropane	0.50	0 / 1	-	3040	<0.01	No
2,4,5-Trichlorophenol	0.47 - 10	0 / 8	-	11	0.91	No
2,4,6-Trichlorophenol	0.59 - 10	0 / 8	-	4.9	**2.0**	**Yes**
2,4-Dichlorophenol	0.51 - 10	0 / 8	-	11	0.91	No
2,4-Dimethylphenol	1.4 - 10	0 / 8	-	100	0.10	No
2,4-Dinitrophenol	1.4 - 50	0 / 8	-	19	**2.6**	**Yes**
2,4-Dinitrotoluene	1.1 - 10	0 / 8	-	44	0.23	No
2,6-Dinitrotoluene	0.76 - 10	0 / 8	-	81	0.12	No
2-Butanone	0.90 - 6.8	0 / 8	-	14000	<0.01	No
2-Chloroethyl vinyl ether	2.0 - 3.0	0 / 8	-	NSV	--	Uncertainty
2-Chloronaphthalene	0.38 - 10	0 / 8	-	0.396	**25**	**Yes**
2-Chlorophenol	0.32 - 10	0 / 8	-	24	0.42	No
2-Chlorotoluene	0.50	0 / 1	-	129	<0.01	No
2-Hexanone	0.70 - 5.0	0 / 8	-	99	0.051	No

Table 4-9
Initial Screening Summary for Marine Life Exposed to Undiluted Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
2-Methylnaphthalene	0.65 - 10	0 / 8	-	330	0.030	No
2-Methylphenol	0.55 - 10	0 / 8	-	67	0.15	No
2-Nitroaniline	0.91 - 50	0 / 8	-	NSV	--	Uncertainty
2-Nitrophenol	0.45 - 10	0 / 8	-	3500	<0.01	No
3,3'-Dichlorobenzidine	2.6 - 50	0 / 8	-	4.5	**11**	**Yes**
3-Nitroaniline	1.3 - 50	0 / 8	-	NSV	--	Uncertainty
4,6-Dinitro-2-methylphenol	1.0 - 50	0 / 8	-	23	**2.2**	**Yes**
4-Bromophenyl phenylether	0.44 - 10	0 / 8	-	1.5	**6.7**	**Yes**
4-Chloro-3-methylphenol	0.73 - 10	0 / 8	-	34.8	0.29	No
4-Chloroaniline	2.3 - 10	0 / 8	-	129	0.078	No
4-Chlorophenyl-phenylether	0.35 - 10	0 / 8	-	1.5	**6.7**	**Yes**
4-Chlorotoluene	0.50	0 / 1	-	129	<0.01	No
4-Methyl-2-pentanone	1.1 - 5.0	0 / 8	-	170	0.029	No
4-Methylphenol	0.68 - 10	0 / 8	-	25	0.40	No
4-Nitroaniline	1.6 - 50	0 / 8	-	NSV	--	Uncertainty
4-Nitrophenol	1.4 - 50	0 / 8	-	60	0.83	No
7,12-Dimethylbenz(a)anthracene	1.8 - 6.1	0 / 5	-	0.548	**11**	**Yes**
Acenaphthene	1.4 - 10	0 / 8	-	710	0.014	No
Acenaphthylene	0.40 - 10	0 / 8	-	4840	<0.01	No
Acetone		2 / 8	28.20	1500	0.019	No
Anthracene	0.36 - 10	0 / 8	-	0.035	**290**	**Yes**
Benzene		1 / 9	13.5	700	0.019	No
Benzo(a)anthracene	0.56 - 10	0 / 8	-	0.025	**400**	**Yes**
Benzo(a)pyrene	0.50 - 10	0 / 8	-	0.014	**710**	**Yes**
Benzo(b)fluoranthene	0.55 - 10	0 / 8	-	9.07	**1.1**	**Yes**
Benzo(g,h,i)perylene	0.52 - 10	0 / 8	-	7.64	**1.3**	**Yes**
Benzo(k)fluoranthene	0.44 - 10	0 / 8	-	9.07	**1.1**	**Yes**
Benzoic acid	2.5 - 50	0 / 8	-	42	**1.2**	**Yes**

Table 4-9
Initial Screening Summary for Marine Life Exposed to Undiluted Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
Benzyl alcohol	1.7 - 10	0 / 8	-	8.6	**1.2**	**Yes**
Bis(2-chloroethoxy)methane	0.34 - 10	0 / 8	-	6400	<0.01	No
Bis(2-chloroethyl)ether	0.55 - 10	0 / 8	-	19000	<0.01	No
Bis(2-chloroisopropyl)ether	0.40 - 10	0 / 8	-	NSV	--	Uncertainty
Bis(2-ethylhexyl)phthalate		1 / 8	58.40	360	0.16	No
Bromobenzene	0.50	0 / 1	-	129	<0.01	No
Bromochloromethane	0.50	0 / 1	-	6400	<0.01	No
Bromodichloromethane	0.020 - 1.0	0 / 9	-	6400	<0.01	No
Bromoform	0.50 - 1.0	0 / 9	-	230	<0.01	No
Bromomethane	0.040 - 2.0	0 / 9	-	16	0.13	No
Butylbenzyl phthalate	0.98 - 10	0 / 8	-	3.4	**2.9**	**Yes**
Carbon disulfide		2 / 8	1.30	0.92	**1.4**	**Yes**
Carbon tetrachloride	0.070 - 1.1	0 / 9	-	9.8	0.11	No
Chlorobenzene	0.040 - 1.0	0 / 9	-	129	<0.01	No
Chloroethane	0.050 - 3.7	0 / 9	-	NSV	--	Uncertainty
Chloroform	0.040 - 1.0	0 / 9	-	28	0.036	No
Chloromethane	0.080 - 2.0	0 / 9	-	NSV	--	Uncertainty
Chrysene	1.5 - 10	0 / 8	-	0.014	**710**	**Yes**
cis-1,2-Dichloroethene	0.50	0 / 1	-	25	0.020	No
cis-1,3-Dichloropropene	0.040 - 1.0	0 / 9	-	3040	<0.01	No
Dibenz(a,h)anthracene	0.55 - 10	0 / 8	-	0.014	**710**	**Yes**
Dibenzofuran	0.34 - 10	0 / 8	-	4	**2.5**	**Yes**
Dibromochloromethane	0.040 - 1.0	0 / 9	-	6400	<0.01	No
Dichlorodifluoromethane	0.50 - 0.50	0 / 1	-	NSV	--	Uncertainty
Diethylphthalate	0.85 - 10	0 / 8	-	3.4	**2.9**	**Yes**
Dimethylphthalate	0.43 - 10	0 / 8	-	3.4	**2.9**	**Yes**
Di-n-butylphthalate		2 / 8	10	3.4	**2.9**	**Yes**
Di-n-octyl phthalate	1.4 - 10	0 / 8	-	3.4	**2.9**	**Yes**

Table 4-9
Initial Screening Summary for Marine Life Exposed to Undiluted Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
Ethylbenzene	0.040 - 1.4	0 / 9	-	7.3	0.19	No
Fluoranthene	0.81 - 10	0 / 8	-	16	0.63	No
Fluorene	0.47 - 10	0 / 8	-	3.9	**2.6**	**Yes**
Hexachlorobenzene	1.5 - 10	0 / 8	-	129	0.078	No
Hexachlorobutadiene	0.50 - 10	0 / 9	-	0.053	**190**	**Yes**
Hexachlorocyclopentadiene	0.50 - 50	0 / 8	-	77	0.65	No
Hexachloroethane	1.2 - 10	0 / 8	-	12	0.83	No
Indeno(1,2,3-CD)pyrene	1.6 - 10	0 / 8	-	4.31	**2.3**	**Yes**
Isophorone	0.58 - 10	0 / 8	-	920	0.011	No
Isopropylbenzene	0.50	0 / 1	-	7.3	0.068	No
Methane		3 / 4	43	NSV	--	Uncertainty
Methylene chloride		1 / 9	28.20	6400	<0.01	No
Naphthalene	0.50 - 10	0 / 9	-	12	0.83	No
n-Butylbenzene	0.50	0 / 1	-	7.3	0.068	No
Nitrobenzene	0.59 - 10	0 / 8	-	220	0.045	No
n-nitroso-1-propyl-1-propanamine	0.82 - 10	0 / 8	-	210	0.048	No
n-Nitrosodiphenylamine	1.7 - 10	0 / 8	-	210	0.048	No
n-Propylbenzene	0.50	0 / 1	-	7.3	0.068	No
o-Xylene		1 / 6	3	13	0.23	No
Pentachlorophenol	0.89 - 50	0 / 8	-	7.9	**6.3**	**Yes**
Phenanthrene	1.4 - 10	0 / 8	-	4.6	**2.2**	**Yes**
Phenol	0.55 - 10	0 / 8	-	110	0.091	No
p-Isopropyl toluene	0.50	0 / 1	-	7.3	0.068	No
Pyrene	0.74 - 10	0 / 8	-	0.3	**33**	**Yes**
Pyridine	3.7 - 20	0 / 8	-	2380	<0.01	No
sec-Butylbenzene	0.50	0 / 1	-	7.3	0.068	No
Styrene	0.030 - 1.0	0 / 9	-	32	0.031	No
tert-Butyl methyl ether		3 / 8	14.6	440	0.033	No

Table 4-9
Initial Screening Summary for Marine Life Exposed to Undiluted Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
tert-Butylbenzene	0.50	0 / 1	-	7.3	0.068	No
Tetrachloroethene	0.070 - 1.9	0 / 9	-	450	<0.01	No
Toluene		1 / 9	4	5000	<0.01	No
Trans-1,2-Dichloroethene	0.050 - 1.4	0 / 9	-	970	<0.01	No
Trans-1,3-Dichloropropene	0.030 - 1.4	0 / 9	-	3040	<0.01	No
Trichloroethene	0.050 - 1.2	0 / 9	-	47	0.026	No
Trichlorofluoromethane	0.50 - 0.50	0 / 1	-	NSV	--	Uncertainty
Vinyl acetate	1.4 - 3.1	0 / 8	-	16	0.19	No
Vinyl chloride	0.030 - 1.7	0 / 9	-	930	<0.01	No
Xylenes (total)		2 / 9	2.20	13	0.17	No
General Chemistry Parameters (ug/L)						
Total Suspended Solids		5 / 5	9570000	NSV	--	Uncertainty
Total Solids (residue)		5 / 5	9800000	NSV	--	Uncertainty
Total Organic Carbon		5 / 7	10000	NSV	--	Uncertainty
Total Dissolved Solids		9 / 9	20000000	NSV	--	Uncertainty
Sulfide		5 / 7	1400	NSV	--	Uncertainty
Sulfate		8 / 8	1200000	NSV	--	Uncertainty
Sodium, Total		3 / 3	4920000	NSV	--	Uncertainty
Sodium, Dissolved		7 / 7	2640000	NSV	--	Uncertainty
Sodium		6 / 6	60960	NSV	--	Uncertainty
Salinity		3 / 2	0.35	NSV	--	Uncertainty
Potassium, Total		3 / 3	145000	NSV	--	Uncertainty
Potassium, Dissolved		7 / 7	132000	NSV	--	Uncertainty
Potassium		6 / 6	23400	NSV	--	Uncertainty
Phosphorus, Total		4 / 5	3800	14	**270**	**Yes**
Phosphorus		3 / 3	1900	0.1	**19000**	**Yes**
pH		5 / 5	7.70	6.5 - 8.5	<1	No
Orthophosphate as P		7 / 8	300	NSV	--	Uncertainty

Table 4-9

Initial Screening Summary for Marine Life Exposed to Undiluted Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
Nitrogen-TKN		5 / 7	3900	233	**17**	**Yes**
Nitrogen, Total		1 / 1	2350	61.1	**38**	**Yes**
Nitrite as N	13 - 100	0 / 8	-	61.1	**1.6**	**Yes**
Nitrate as N		2 / 9	120	61.1	**2.0**	**Yes**
Chloride		9 / 9	10800000	NSV	--	Uncertainty
Calcium, Total		3 / 3	2340000	NSV	--	Uncertainty
Calcium, Dissolved		7 / 7	591000	NSV	--	Uncertainty
Calcium		5 / 5	161000	NSV	--	Uncertainty
Ammonia as NH3		5 / 7	1300	NSV	--	Uncertainty
Alkalinity, Total		8 / 8	491000	NSV	--	Uncertainty
Alkalinity, Carb.	2500 - 10000	0 / 9	-	NSV	--	Uncertainty
Alkalinity, Bicarb.		9 / 9	491000	NSV	--	Uncertainty

Notes:

DL = detection limit

DF = detection frequency

SEV = screening ecotox value

NSV = no screening value

HQ = Hazard Quotient

COPEC = Constituent of potential ecological concern

Uncertainty = Retained as an uncertainty; media values driving risk were all below detection

Values in **bold** exceed screening ecotox values

Table 4-10
Initial Screening Summary for Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
Dissolved Metals (ug/L)						
ANTIMONY	3.40 - 100	0 / 44	-	30	**3.3**	**Yes**
ARSENIC		3 / 44	18.9	150	0.13	No
BARIUM		41 / 47	730	4	**180**	**Yes**
BERYLLIUM	1.36 - 5.00	0 / 44	-	0.66	**7.6**	**Yes**
CADMIUM	0.500 - 5.00	0 / 44	-	0.57112	**8.8**	**Yes**
CHROMIUM (VI)	6.00 - 10	0 / 31	-	11	0.91	No
CHROMIUM		1 / 44	10	191.157	0.052	No
COBALT		1 / 32	30	23	**1.3**	**Yes**
COPPER	1.32 - 10	0 / 44	-	24.0672	0.42	No
IRON		16 / 28	9000	1000	**9.0**	**Yes**
LEAD		3 / 44	10	8.63624	**1.2**	**Yes**
MAGNESIUM		28 / 28	58000	NSV	--	Uncertainty
MANGANESE		36 / 40	2560	120	**21**	**Yes**
MERCURY		1 / 41	0.380	0.77	0.49	No
NICKEL		20 / 44	1100	138.392	**7.9**	**Yes**
SELENIUM		6 / 44	58.7	5	**12**	**Yes**
SILVER	0.700 - 10	0 / 22	-	0.36	**28**	**Yes**
THALLIUM	2000	0 / 4	-	12	**170**	**Yes**
VANADIUM		24 / 44	800	20	**40**	**Yes**
ZINC		32 / 44	310	314.847	0.98	No
Organics (ug/L)						
1,1,1-TRICHLOROETHANE	0.0400 - 50	0 / 50	-	76	0.66	No
1,1,2,2-TETRACHLOROETHANE	0.0600 - 50	0 / 50	-	610	0.082	No
1,1,2-TRICHLOROETHANE	0.0400 - 50	0 / 50	-	1200	0.042	No
1,1-DICHLOROETHANE	0.0400 - 50	0 / 50	-	47	**1.1**	**Yes**
1,1-DICHLOROETHENE	0.0400 - 50	0 / 50	-	25	**2.0**	**Yes**
1,2,4-TRICHLOROBENZENE	1.07 - 100	0 / 48	-	30	**3.3**	**Yes**
1,2-DICHLOROBENZENE	0.550 - 100	0 / 48	-	14	**7.1**	**Yes**

Table 4-10
Initial Screening Summary for Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
1,2-DICHLOROETHANE	0.0400 - 50	0 / 50	-	910	0.055	No
1,2-DICHLOROETHENE (TOTAL	5.00 - 5.00	0 / 4	-	590	<0.01	No
1,2-DICHLOROPROPANE	0.0900 - 50	0 / 50	-	360	0.14	No
1,3-DICHLOROBENZENE	0.540 - 100	0 / 48	-	38	**2.6**	**Yes**
1,4-DICHLOROBENZENE	0.470 - 100	0 / 48	-	9.4	**11**	**Yes**
2,4,5-TRICHLOROPHENOL	0.470 - 500	0 / 43	-	4.9	**100**	**Yes**
2,4,6-TRICHLOROPHENOL	0.590 - 100	0 / 43	-	4.9	**20**	**Yes**
2,4-DICHLOROPHENOL	0.510 - 100	0 / 43	-	11	**9.1**	**Yes**
2,4-DIMETHYLPHENOL	1.35 - 100	0 / 43	-	100	**1.0**	**Yes**
2,4-DINITROPHENOL	1.36 - 500	0 / 43	-	19	**26**	**Yes**
2,4-DINITROTOLUENE	1.10 - 100	0 / 48	-	44	**2.3**	**Yes**
2,6-DINITROTOLUENE	0.760 - 100	0 / 48	-	81	**1.2**	**Yes**
2-BUTANONE		1 / 50	500	2200	0.23	No
2-CHLOROETHYL VINYL ETHEF	1.25 - 50	0 / 46	-	NSV	--	Uncertainty
2-CHLORONAPHTHALENE	0.375 - 100	0 / 48	-	0.396	**250**	**Yes**
2-CHLOROPHENOL	0.320 - 100	0 / 43	-	24	**4.2**	**Yes**
2-HEXANONE	0.700 - 500	0 / 47	-	99	**5.1**	**Yes**
2-METHYLNAPHTHALENE	0.650 - 100	0 / 45	-	330	0.30	No
2-METHYLPHENOL	0.550 - 100	0 / 43	-	13	**7.7**	**Yes**
2-NITROANILINE	0.908 - 500	0 / 45	-	NSV	--	Uncertainty
2-NITROPHENOL	0.450 - 100	0 / 43	-	82.8	**1.2**	**Yes**
3,3'-DICHLOROBENZIDINE	2.57 - 200	0 / 48	-	4.5	**44**	**Yes**
3-NITROANILINE	1.30 - 500	0 / 45	-	NSV	--	Uncertainty
4,6-DINITRO-2-METHYLPHENOI	1.00 - 500	0 / 43	-	23	**22**	**Yes**
4-BROMOPHENYL PHENYLETH	0.442 - 100	0 / 48	-	1.5	**67**	**Yes**
4-CHLORO-3-METHYLPHENOL	0.730 - 100	0 / 43	-	34.8	**2.9**	**Yes**
4-CHLOROANILINE	2.30 - 100	0 / 45	-	232	0.43	No
4-CHLOROPHENYL-PHENYLETI	0.352 - 100	0 / 48	-	1.5	**67**	**Yes**

Table 4-10
Initial Screening Summary for Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
4-METHYL-2-PENTANONE	1.10 - 500	0 / 47	-	170	**2.9**	**Yes**
4-METHYLPHENOL		1 / 42	10	25	0.40	No
4-NITROANILINE	1.60 - 500	0 / 45	-	NSV	--	Uncertainty
4-NITROPHENOL	1.42 - 500	0 / 43	-	60	**8.3**	**Yes**
7,12-DIMETHYLBENZ(A)ANTHR/	1.80 - 6.10	0 / 18	-	0.548	**11**	**Yes**
ACENAPHTHENE	1.36 - 100	0 / 48	-	23	**4.3**	**Yes**
ACENAPHTHYLENE	0.400 - 100	0 / 48	-	4840	0.021	No
ACETONE		6 / 50	1000	1500	0.67	No
ANTHRACENE	0.360 - 100	0 / 48	-	0.035	**2900**	**Yes**
AROCLOR-1016	0.247 - 0.500	0 / 11	-	0.014	**36**	**Yes**
AROCLOR-1221	0.184 - 0.500	0 / 11	-	0.28	**1.8**	**Yes**
AROCLOR-1232	0.166 - 0.500	0 / 11	-	0.58	0.86	No
AROCLOR-1242	0.250 - 0.500	0 / 11	-	0.053	**9.4**	**Yes**
AROCLOR-1248	0.250 - 0.500	0 / 11	-	0.081	**6.2**	**Yes**
AROCLOR-1254	0.111 - 0.500	0 / 11	-	0.033	**15**	**Yes**
AROCLOR-1260	0.217 - 0.500	0 / 11	-	94	<0.01	No
BENZENE		12 / 71	370	114	**3.2**	**Yes**
BENZO(A)ANTHRACENE	0.560 - 100	0 / 48	-	0.025	**4000**	**Yes**
BENZO(A)PYRENE	0.500 - 100	0 / 48	-	0.014	**7100**	**Yes**
BENZO(B)FLUORANTHENE	0.550 - 100	0 / 48	-	9.07	**11**	**Yes**
BENZO(G,H,I)PERYLENE	0.520 - 100	0 / 48	-	7.64	**13**	**Yes**
BENZO(K)FLUORANTHENE	0.440 - 100	0 / 48	-	9.07	**11**	**Yes**
BENZOIC ACID	1.20 - 50	0 / 40	-	42	**1.2**	**Yes**
BENZYL ALCOHOL	1.70 - 20	0 / 41	-	8.6	**2.3**	**Yes**
BIS(2-CHLOROETHOXY)METHA	0.343 - 100	0 / 48	-	NSV	--	Uncertainty
BIS(2-CHLOROETHYL)ETHER	0.550 - 100	0 / 48	-	19000	<0.01	No
BIS(2-CHLOROISOPROPYL)ETH	0.400 - 100	0 / 48	-	NSV	--	Uncertainty
BIS(2-ETHYLHEXYL)PHTHALATE		3 / 48	100	0.3	**330**	**Yes**

Table 4-10
Initial Screening Summary for Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
BROMODICHLOROMETHANE		1 / 50	50	NSV	--	Uncertainty
BROMOFORM	0.600 - 50	0 / 50	-	230	0.22	No
BROMOMETHANE	0.0400 - 100	0 / 50	-	16	**6.3**	**Yes**
BUTYLBENZYL PHTHALATE		1 / 48	100	19	**5.3**	**Yes**
CARBON DISULFIDE		3 / 50	120	0.92	**130**	**Yes**
CARBON TETRACHLORIDE	0.0700 - 50	0 / 50	-	9.8	**5.1**	**Yes**
CHLOROBENZENE	0.0400 - 50	0 / 50	-	47	**1.1**	**Yes**
CHLOROETHANE	0.0500 - 100	0 / 50	-	NSV	--	Uncertainty
CHLOROFORM		1 / 50	50	28	**1.8**	**Yes**
CHLOROMETHANE	0.0800 - 100	0 / 50	-	NSV	--	Uncertainty
CHRYSENE	1.48 - 100	0 / 48	-	0.014	**7100**	**Yes**
CIS-1,3-DICHLOROPROPENE	0.0400 - 50	0 / 50	-	360	0.14	No
DIBENZ(A,H)ANTHRACENE	0.550 - 100	0 / 48	-	0.014	**7100**	**Yes**
DIBENZOFURAN	0.343 - 100	0 / 45	-	3.7	**27**	**Yes**
DIBROMOCHLOROMETHANE	0.0400 - 50	0 / 50	-	11000	<0.01	No
DIETHYLPHTHALATE	0.851 - 100	0 / 48	-	110	0.91	No
DIMETHYLPHTHALATE	0.430 - 100	0 / 48	-	30	**3.3**	**Yes**
DI-N-BUTYLPHTHALATE		4 / 48	100	35	**2.9**	**Yes**
DI-N-OCTYL PHTHALATE	1.40 - 100	0 / 48	-	30	**3.3**	**Yes**
ETHYLBENZENE		5 / 74	282	7.3	**39**	**Yes**
FLUORANTHENE	0.810 - 100	0 / 48	-	6.16	**16**	**Yes**
FLUORENE	0.470 - 100	0 / 48	-	3.9	**26**	**Yes**
HEXACHLOROBENZENE	1.46 - 100	0 / 48	-	0.0004	**250000**	**Yes**
HEXACHLOROBUTADIENE	1.06 - 100	0 / 48	-	0.053	**1900**	**Yes**
HEXACHLOROCYCLOPENTADI	0.500 - 100	0 / 48	-	77	**1.3**	**Yes**
HEXACHLOROETHANE	1.22 - 100	0 / 48	-	8	**13**	**Yes**
INDENO(1,2,3-CD)PYRENE	1.60 - 100	0 / 48	-	4.31	**23**	**Yes**
ISOPHORONE	0.580 - 100	0 / 48	-	920	0.11	No

Table 4-10
Initial Screening Summary for Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
METHANE		22 / 31	10000	NSV	--	Uncertainty
METHYLENE CHLORIDE		4 / 50	50	2200	0.023	No
NAPHTHALENE	0.730 - 100	0 / 48	-	12	**8.3**	**Yes**
NITROBENZENE	0.590 - 100	0 / 48	-	220	0.45	No
N-NITROSO-DI-N-PROPYLAMIN	0.820 - 100	0 / 47	-	210	0.48	No
N-NITROSODIPHENYLAMINE	1.70 - 100	0 / 48	-	210	0.48	No
O-XYLENE		1 / 26	262	13	**20**	**Yes**
PENTACHLOROPHENOL	0.890 - 500	0 / 42	-	4	**130**	**Yes**
PHENANTHRENE	1.43 - 100	0 / 48	-	6.3	**16**	**Yes**
PHENOL	0.550 - 10	0 / 41	-	110	0.091	No
PYRENE	0.740 - 100	0 / 48	-	0.3	**330**	**Yes**
PYRIDINE	3.70 - 20	0 / 41	-	2380	<0.01	No
STYRENE	0.0300 - 50	0 / 47	-	32	**1.6**	**Yes**
TERT-BUTYL METHYL ETHER		6 / 34	29.2	NSV	--	Uncertainty
TETRACHLOROETHENE	0.0700 - 50	0 / 50	-	45	**1.1**	**Yes**
TOLUENE		8 / 74	130	9.8	**13**	**Yes**
TRANS-1,2-DICHLOROETHENE	0.0500 - 50	0 / 46	-	970	0.052	No
TRANS-1,3-DICHLOROPROPEN	0.0300 - 50	0 / 50	-	360	0.14	No
TRICHLOROETHENE	0.0500 - 50	0 / 50	-	47	**1.1**	**Yes**
VINYL ACETATE	1.40 - 500	0 / 47	-	16	**31**	**Yes**
VINYL CHLORIDE	0.0300 - 100	0 / 50	-	930	0.11	No
XYLENES (TOTAL)		9 / 74	1050	13	**81**	**Yes**
General Chemistry Parameters						
ALKALINITY, BICARB.		41 / 41	939000	NSV	--	Uncertainty
ALKALINITY, CARB.	1000 - 5000	0 / 41	-	NSV	--	Uncertainty
ALKALINITY, TOTAL		29 / 29	486000	20000	**24**	**Yes**
AMMONIA AS NH3		17 / 29	5300	NSV	--	Uncertainty
AMMONIA AS NH3, TOTAL		12 / 12	4060	2.55805	**1600**	**Yes**

Table 4-10
Initial Screening Summary for Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?
AVS DISTILLATION	100	0 / 4	-	NSV	--	Uncertainty
CALCIUM		38 / 38	161000	NSV	--	Uncertainty
CALCIUM, DISSOLVED		28 / 28	124000	NSV	--	Uncertainty
CALCIUM, TOTAL		11 / 11	194000	NSV	--	Uncertainty
CHLORIDE		41 / 41	1290000	230000	**5.6**	**Yes**
NITRATE AS N		15 / 41	7400	332.8	**22**	**Yes**
NITRITE AS N		13 / 41	240	22.5	**11**	**Yes**
NITROGEN-TKN		35 / 41	10100	503.7	**20**	**Yes**
ORTHOPHOSPHATE AS P		34 / 38	1800	NSV	--	Uncertainty
PH		18 / 18	7.80	6.5 - 9	<1	No
PHOSPHORUS		20 / 20	2280	NSV	--	Uncertainty
PHOSPHORUS, TOTAL		19 / 21	910	161.1	**5.6**	**Yes**
POTASSIUM		31 / 38	24000	NSV	--	Uncertainty
POTASSIUM, DISSOLVED		19 / 28	11100	NSV	--	Uncertainty
POTASSIUM, TOTAL		4 / 11	11800	NSV	--	Uncertainty
SALINITY		3 / 3	0.390	NSV	--	Uncertainty
SODIUM		37 / 37	350000	NSV	--	Uncertainty
SODIUM, DISSOLVED		28 / 28	432000	NSV	--	Uncertainty
SODIUM, TOTAL		11 / 11	517000	NSV	--	Uncertainty
SULFATE		37 / 41	600000	NSV	--	Uncertainty
SULFIDE		22 / 38	9500	NSV	--	Uncertainty
SULFIDE, TOTAL	50	0 / 3	-	NSV	--	Uncertainty
TOTAL DISSOLVED SOLIDS		41 / 41	3060000	NSV	--	Uncertainty
TOTAL ORGANIC CARBON		41 / 41	80700	NSV	--	Uncertainty
TOTAL SOLIDS (RESIDUE)		18 / 18	1140000	NSV	--	Uncertainty
TOTAL SUSPENDED SOLIDS		16 / 18	843000	36000	**23**	**Yes**

Notes:
DL = detection limit

Table 4-10

Initial Screening Summary for Freshwater Aquatic Life Exposed to Site Surface Water

Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Concentration Detected	SEV-low	HQ	Retained as a COPC?

DF = detection frequency

SEV = secreening ecotox value

NSV = no screening value

HQ = Hazard Quotient

COPEC = Constituent of potential ecological concern

Uncertainty = Retained as an uncertainty; media values driving risk were all below detection

Values in **bold** exceed screening ecotox values

SEVs for Cd, Cu, Pb, Ni, Ag, and Zn calculated based on assumed hardness of 318. Dissolved and total metal SEV also calculatec

Table 4-11

Initial Screening Summary for Freshwater Benthic Life Exposed to Site Sediments

Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Conc.	SEV-low	HQ	Retained as a COPC?
Metals (mg/kg)						
ANTIMONY		13 / 56	100000	12000	**8.3**	**Yes**
ARSENIC		72 / 83	9000	9790	0.92	No
BARIUM		80 / 83	250000	NSV	--	Uncertainty
BERYLLIUM		8 / 72	5000	NSV	--	Uncertainty
CADMIUM		38 / 83	5000	990	**5.1**	**Yes**
CHROMIUM		80 / 83	1870000	43400	**43**	**Yes**
CHROMIUM (VI)		13 / 51	36000	NSV	--	Uncertainty
COBALT		53 / 57	24900	50000	0.50	No
COPPER		69 / 72	140000	31600	**4.4**	**Yes**
IRON		69 / 69	65200000	NSV	--	Uncertainty
LEAD		83 / 83	96100	35800	**2.7**	**Yes**
MAGNESIUM		63 / 63	25500000	NSV	--	Uncertainty
MANGANESE		69 / 69	2050000	1673	**1200**	**Yes**
MERCURY		46 / 83	750	180	**4.2**	**Yes**
NICKEL		67 / 72	217000	22700	**9.6**	**Yes**
SELENIUM		18 / 75	10000	NSV	--	Uncertainty
SILVER	21.9 - 4420	0 / 36	-	500	**8.8**	**Yes**
TIN	79200 - 122000	0 / 3	-	NSV	--	Uncertainty
VANADIUM		70 / 72	399000	NSV	--	Uncertainty
ZINC		70 / 72	1010000	121000	**8.3**	**Yes**
Organics (ug/L)						
1,1,1,2-TETRACHLOROETHANE	1.40 - 1.80	0 / 2	-	940	<0.01	No
1,1,1-TRICHLOROETHANE		14 / 81	6000	170	**35**	**Yes**
1,1,2,2-TETRACHLOROETHANE	0.350 - 6000	0 / 81	-	940	**6.4**	**Yes**
1,1,2-TRICHLOROETHANE	0.300 - 6000	0 / 81	-	518	**12**	**Yes**
1,1,2-TRICHLOROTRIFLUOROETHANE	2.90 - 3.50	0 / 2	-	NSV	--	Uncertainty
1,1-DICHLOROETHANE		1 / 81	6000	0.575	**10000**	**Yes**
1,1-DICHLOROETHENE	0.390 - 6000	0 / 80	-	19.4	**310**	**Yes**
1,1-DICHLOROPROPENE	1.40 - 1.80	0 / 2	-	333	<0.01	No
1,2,3-TRICHLOROBENZENE	7.20 - 8.90	0 / 2	-	9200	<0.01	No
1,2,3-TRICHLOROPROPANE	2.90 - 3.50	0 / 2	-	170	0.021	No
1,2,4-TRICHLOROBENZENE	7.20 - 2100	0 / 81	-	9200	0.23	No

Table 4-11
Initial Screening Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Conc.	SEV-low	HQ	Retained as a COPC?
1,2,4-TRIMETHYLBENZENE	1.40 - 1.80	0 / 2	-	25	0.072	No
1,2-DIBROMO-3-CHLOROPROPANE	7.20 - 8.90	0 / 2	-	NSV	--	Uncertainty
1,2-DIBROMOETHANE	1.40 - 1.80	0 / 2	-	0.575	**3.1**	**Yes**
1,2-DIBROMOMETHANE	1.40 - 1.80	0 / 2	-	NSV	--	Uncertainty
1,2-DICHLOROBENZENE	1.40 - 1700	0 / 82	-	340	**5.0**	**Yes**
1,2-DICHLOROETHANE		2 / 81	6000	260	**23**	**Yes**
1,2-DICHLOROETHENE (TOTAL)	7.90 - 13	0 / 4	-	260	0.050	No
1,2-DICHLOROPROPANE	0.280 - 6000	0 / 81	-	333	**18**	**Yes**
1,2-DIPHENYLHYDRAZINE	160 - 370	0 / 4	-	NSV	--	Uncertainty
1,3,5-TRIMETHYLBENZENE	1.40 - 1.80	0 / 2	-	25	0.072	No
1,3-DICHLOROBENZENE	1.40 - 1700	0 / 82	-	1700	**1.0**	**Yes**
1,3-DICHLOROPROPANE	1.40 - 1.80	0 / 2	-	333	<0.01	No
1,4-DICHLOROBENZENE	1.40 - 1700	0 / 81	-	350	**4.9**	**Yes**
2,2-DICHLOROPROPANE	1.40 - 1.80	0 / 2	-	333	<0.01	No
2,4,5-TRICHLOROPHENOL	48.3 - 4200	0 / 73	-	208	**20**	**Yes**
2,4,6-TRICHLOROPHENOL		1 / 73	900	208	**4.3**	**Yes**
2,4-DICHLOROPHENOL	51.7 - 900	0 / 73	-	81.7	**11**	**Yes**
2,4-DIMETHYLPHENOL	88.3 - 900	0 / 73	-	304	**3.0**	**Yes**
2,4-DINITROPHENOL	59.4 - 4520	0 / 73	-	6.21	**730**	**Yes**
2,4-DINITROTOLUENE	59.8 - 3000	0 / 79	-	14.4	**210**	**Yes**
2,6-DINITROTOLUENE	53.3 - 3000	0 / 80	-	39.8	**75**	**Yes**
2-BUTANONE		27 / 81	62000	42.4	**1500**	**Yes**
2-CHLOROETHYL VINYL ETHER	1.25 - 6000	0 / 77	-	NSV	--	Uncertainty
2-CHLORONAPHTHALENE	68.2 - 1700	0 / 80	-	417	**4.1**	**Yes**
2-CHLOROPHENOL	71.7 - 900	0 / 72	-	31.9	**28**	**Yes**
2-CHLOROTOLUENE	1.40 - 1.80	0 / 2	-	820	<0.01	No
2-HEXANONE	0.716 - 62000	0 / 81	-	58.2	**1100**	**Yes**
2-METHYLNAPHTHALENE	80.6 - 2100	0 / 76	-	330	**6.4**	**Yes**
2-METHYLPHENOL	53.2 - 900	0 / 73	-	55.4	**16**	**Yes**
2-NITROANILINE	37.7 - 4520	0 / 76	-	NSV	--	Uncertainty
2-NITROPHENOL	73.6 - 900	0 / 73	-	NSV	--	Uncertainty
3,3'-DICHLOROBENZIDINE	52.9 - 11000	0 / 80	-	127	**87**	**Yes**
3-NITROANILINE	78.1 - 6400	0 / 76	-	NSV	--	Uncertainty

Table 4-11
Initial Screening Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Conc.	SEV-low	HQ	Retained as a COPC?
4,6-DINITRO-2-METHYLPHENOL	58.9 - 4520	0 / 73	-	104	**43**	**Yes**
4-BROMOPHENYL PHENYLETHER	70.2 - 3000	0 / 80	-	1300	**2.3**	**Yes**
4-CHLORO-3-METHYLPHENOL	51.5 - 900	0 / 72	-	388	**2.3**	**Yes**
4-CHLOROANILINE	73.2 - 6400	0 / 76	-	146	**44**	**Yes**
4-CHLOROPHENYL-PHENYLETHER	48 - 2100	0 / 80	-	1300	**1.6**	**Yes**
4-CHLOROTOLUENE	1.40 - 1.80	0 / 2	-	820	<0.01	No
4-METHYL-2-PENTANONE	0.850 - 62000	0 / 81	-	25.1	**2500**	**Yes**
4-METHYLPHENOL	57.7 - 900	0 / 73	-	20.2	**45**	**Yes**
4-NITROANILINE	93 - 4520	0 / 76	-	NSV	--	Uncertainty
4-NITROPHENOL	74.3 - 4520	0 / 72	-	NSV	--	Uncertainty
7,12-DIMETHYLBENZ(A)ANTHRACENE	58.3 - 83.3	0 / 25	-	66400	<0.01	No
9H-CARBAZOLE	93 - 870	0 / 6	-	NSV	--	Uncertainty
ACENAPHTHENE	48.5 - 1700	0 / 79	-	330	**5.2**	**Yes**
ACENAPHTHYLENE	58.5 - 1700	0 / 80	-	330	**5.2**	**Yes**
ACETONE		50 / 81	125000	9.9	**13000**	**Yes**
ACROLEIN	72 - 89	0 / 2	-	0.00152	**59000**	**Yes**
ACRYLONITRILE	7.20 - 8.90	0 / 2	-	1.2	**7.4**	**Yes**
ANTHRACENE	46.3 - 1700	0 / 80	-	57.2	**30**	**Yes**
AROCLOR-1016	6.86 - 68.6	0 / 25	-	59.8	**1.1**	**Yes**
AROCLOR-1221	8.32 - 83.3	0 / 24	-	59.8	**1.4**	**Yes**
AROCLOR-1232	7.40 - 83.3	0 / 24	-	59.8	**1.4**	**Yes**
AROCLOR-1242	8.32 - 83.3	0 / 26	-	59.8	**1.4**	**Yes**
AROCLOR-1248		3 / 26	200	59.8	**3.3**	**Yes**
AROCLOR-1254	8.32 - 83.3	0 / 26	-	59.8	**1.4**	**Yes**
AROCLOR-1260		1 / 25	100	59.8	**1.7**	**Yes**
BENZENE		7 / 80	6000	57	**110**	**Yes**
BENZIDINE	3300 - 7500	0 / 4	-	NSV	**--**	Uncertainty
BENZO(A)ANTHRACENE	47 - 2100	0 / 80	-	108	**19**	**Yes**
BENZO(A)PYRENE		8 / 80	3000	150	**20**	**Yes**
BENZO(B)FLUORANTHENE		8 / 80	2100	10400	0.20	No
BENZO(G,H,I)PERYLENE		11 / 80	10000	290	**34**	**Yes**
BENZO(K)FLUORANTHENE	75.3 - 2100	0 / 80	-	240	**8.8**	**Yes**
BENZOIC ACID		1 / 72	18000	NSV	--	Uncertainty

Table 4-11
Initial Screening Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Conc.	SEV-low	HQ	Retained as a COPC?
BENZYL ALCOHOL	60.1 - 3000	0 / 72	-	1.04	**2900**	**Yes**
BIS(2-CHLOROETHOXY)METHANE	62.2 - 1700	0 / 80	-	NSV	--	Uncertainty
BIS(2-CHLOROETHYL)ETHER	72.9 - 1700	0 / 80	-	3520	0.48	No
BIS(2-CHLOROISOPROPYL)ETHER	67.6 - 1700	0 / 80	-	3520	0.48	No
BIS(2-ETHYLHEXYL)PHTHALATE		1 / 80	2100	182	**12**	**Yes**
BROMOBENZENE	1.40 - 1.80	0 / 2	-	820	<0.01	No
BROMOCHLOROMETHANE	1.40 - 1.80	0 / 2	-	1.37	**1.3**	**Yes**
BROMODICHLOROMETHANE		1 / 81	6000	1.37	**4400**	**Yes**
BROMOETHANE	2.90 - 3.50	0 / 2	-	1.37	**2.6**	**Yes**
BROMOFORM	0.100 - 6000	0 / 81	-	492	**12**	**Yes**
BROMOMETHANE	0.240 - 12000	0 / 81	-	1.37	**8800**	**Yes**
BUTYLBENZYL PHTHALATE	70.4 - 2100	0 / 80	-	11000	0.19	No
CARBON DISULFIDE		20 / 81	6000	23.9	**250**	**Yes**
CARBON TETRACHLORIDE	0.190 - 6000	0 / 81	-	1450	**4.1**	**Yes**
CHLOROBENZENE	0.170 - 6000	0 / 80	-	820	**7.3**	**Yes**
CHLOROETHANE	0.630 - 12000	0 / 81	-	1.37	**8800**	**Yes**
CHLOROFORM	0.180 - 6000	0 / 81	-	121	**50**	**Yes**
CHLOROMETHANE	0.430 - 12000	0 / 81	-	1.37	**8800**	**Yes**
CHRYSENE		8 / 80	2100	166	**13**	**Yes**
CIS-1,2-DICHLOROETHENE	1.40 - 1.80	0 / 2	-	19.4	0.093	No
CIS-1,3-DICHLOROPROPENE	0.240 - 6000	0 / 81	-	333	**18**	**Yes**
DIBENZ(A,H)ANTHRACENE		2 / 80	3400	33	**100**	**Yes**
DIBENZOFURAN	49.1 - 2600	0 / 76	-	2000	**1.3**	**Yes**
DIBROMOCHLOROMETHANE	0.270 - 6000	0 / 81	-	1.37	**4400**	**Yes**
DIETHYLPHTHALATE	57.2 - 1700	0 / 80	-	630	**2.7**	**Yes**
DIMETHYLPHTHALATE	48.1 - 1700	0 / 80	-	630	**2.7**	**Yes**
DI-N-BUTYLPHTHALATE		1 / 80	1700	11000	0.15	No
DI-N-OCTYL PHTHALATE	54.4 - 3000	0 / 80	-	40600	0.074	No
ETHYLBENZENE	0.250 - 6000	0 / 81	-	175	**34**	**Yes**
FLUORANTHENE	70.9 - 1700	0 / 80	-	423	**4.0**	**Yes**
FLUORENE		3 / 80	1700	77.4	**22**	**Yes**
HEXACHLOROBENZENE	72.4 - 2100	0 / 80	-	20	**110**	**Yes**
HEXACHLOROBUTADIENE	7.20 - 3000	0 / 82	-	26.5	**110**	**Yes**

Table 4-11
Initial Screening Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Conc.	SEV-low	HQ	Retained as a COPC?
HEXACHLOROCYCLOPENTADIENE	52.8 - 21000	0 / 80	-	901	**23**	**Yes**
HEXACHLOROETHANE	66.8 - 2100	0 / 80	-	1000	**2.1**	**Yes**
INDENO(1,2,3-CD)PYRENE		5 / 80	3400	78	**44**	**Yes**
IODOMETHANE	1.40 - 1.80	0 / 2	-	1.37	**1.3**	**Yes**
ISOPHORONE	66.8 - 1700	0 / 80	-	432	**3.9**	**Yes**
ISOPROPYLBENZENE	1.40 - 1.80	0 / 2	-	25	0.072	No
METHYLENE CHLORIDE		7 / 81	6000	159	**38**	**Yes**
NAPHTHALENE	7.20 - 1700	0 / 82	-	176	**9.7**	**Yes**
N-BUTYLBENZENE	2.90 - 3.50	0 / 2	-	25	0.14	No
NITROBENZENE	77.7 - 1700	0 / 80	-	145	**12**	**Yes**
N-NITROSODIMETHYLAMINE	160 - 370	0 / 4	-	NSV	--	Uncertainty
N-NITROSO-DI-N-PROPYLAMINE	63.2 - 2100	0 / 79	-	NSV	--	Uncertainty
N-NITROSODIPHENYLAMINE	59.7 - 1700	0 / 80	-	NSV	--	Uncertainty
N-PROPYLBENZENE	1.40 - 1.80	0 / 2	-	25	0.072	No
O-XYLENE		3 / 27	3.41	25	0.14	No
PENTACHLOROPHENOL	70.3 - 4520	0 / 72	-	2300	**2.0**	**Yes**
PHENANTHRENE		4 / 80	1700	204	**8.3**	**Yes**
PHENOL	51.8 - 900	0 / 72	-	49.1	**18**	**Yes**
P-ISOPROPYLTOLUENE	1.40 - 1.80	0 / 2	-	25	0.072	No
PYRENE		5 / 79	1700	195	**8.7**	**Yes**
PYRIDINE		1 / 66	900	106	**8.5**	**Yes**
SEC-BUTYLBENZENE	1.40 - 1.80	0 / 2	-	25	0.072	No
STYRENE	0.330 - 6000	0 / 81	-	254	**24**	**Yes**
TERT-BUTYL METHYL ETHER		2 / 54	27	NSV	--	Uncertainty
TERT-BUTYLBENZENE	1.40 - 1.80	0 / 2	-	25	0.072	No
TETRACHLOROETHENE		1 / 81	6000	990	**6.1**	**Yes**
TOLUENE		6 / 80	6000	28	**210**	**Yes**
TRANS-1,2-DICHLOROETHENE	0.330 - 6000	0 / 77	-	654	**9.2**	**Yes**
TRANS-1,3-DICHLOROPROPENE	0.270 - 6000	0 / 81	-	333	**18**	**Yes**
TRANS-1,4-DICHLORO-2-BUTENE	7.20 - 8.90	0 / 2	-	NSV	--	Uncertainty
TRICHLOROETHENE	0.240 - 6000	0 / 80	-	518	**12**	**Yes**
TRICHLOROFLUOROMETHANE	2.90 - 3.50	0 / 2	-	NSV	--	Uncertainty
VINYL ACETATE		1 / 81	62000	13	**4800**	**Yes**

Table 4-11

Initial Screening Summary for Freshwater Benthic Life Exposed to Site Sediments

Site-Wide Screening Level ERA for the CPCPRC Site

Analyte	DL Range	DF	Maximum Conc.	SEV-low	HQ	Retained as a COPC?
VINYL CHLORIDE	0.310 - 12000	0 / 81	-	202	**59**	**Yes**
XYLENES (TOTAL)		5 / 81	6000	25	**240**	**Yes**
Total PAHs	47-2100	54 / 1305	26300	1610	**16**	**Yes**
General Chemistry Parameters (ug/kg)						
ACID VOLATILE SULFIDE		4 / 4	130000	NSV	--	Uncertainty
CALCIUM		63 / 63	117000000	NSV	--	Uncertainty
CYANIDE	250	0 / 19	-	0.1	**2500**	**Yes**
pH		42 / 42	8.60	NSV	--	Uncertainty
POTASSIUM		40 / 63	2070000	NSV	--	Uncertainty
SODIUM		40 / 63	1680000	NSV	--	Uncertainty
TOTAL ORGANIC CARBON		35 / 35	71700000	NSV	--	Uncertainty
Notes:			146	126		

DL = detection limit

DF = detection frequency

SEV = screening ecotox value

NSV = no screening value

HQ = Hazard Quotient

COPEC = Constituent of potential ecological concern

Uncertainty = Retained as an uncertainty; media values driving risk were all below detection

Values in **bold** exceed screening ecotox values

Table 4-12
Initial Risk Estimation for Avian Wildlife Exposed to Site Waterbodies
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Sediment Max. Concentration (mg/kg)	Surfacewater/ Groundwater Concentration (mg/L)	Food Intake from Vertebrates (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Soil Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient
				Great Blue Heron						
Metals										
ANTIMONY, DISSOLVED	--	1.00E-01	4.40E-03	--	4.40E-03	0.00E+00	1.72E-03	6.12E-03	NA	--
ARSENIC, DISSOLVED	--	1.89E-02	1.41E-02	--	1.41E-02	0.00E+00	8.50E-04	1.50E-02	9.30E+00	1.61E-03
BARIUM, DISSOLVED	--	7.30E-01	3.21E-02	--	3.21E-02	0.00E+00	3.29E-02	6.50E-02	2.08E+01	3.12E-03
BERYLLIUM, DISSOLVED	--	5.00E-03	4.18E-03	--	4.18E-03	0.00E+00	2.25E-04	4.40E-03	NA	--
CADMIUM, DISSOLVED	--	5.00E-03	2.73E+00	--	2.73E+00	0.00E+00	2.25E-04	2.73E+00	1.60E-01	***1.70E+01***
CHROMIUM (VI), DISSOLVED	--	1.00E-02	1.32E-03	--	1.32E-03	0.00E+00	4.50E-04	1.77E-03	1.00E+00	1.77E-03
CHROMIUM, DISSOLVED	--	1.00E-02	1.32E-03	--	1.32E-03	0.00E+00	4.50E-04	1.77E-03	1.00E+00	1.77E-03
COBALT, DISSOLVED	--	3.00E-02	1.32E-03	--	1.32E-03	0.00E+00	1.35E-03	2.67E-03	7.61E+00	3.51E-04
COPPER, DISSOLVED	--	1.00E-02	1.28E-01	--	1.28E-01	0.00E+00	4.50E-04	1.28E-01	4.70E+01	2.73E-03
IRON, DISSOLVED	--	9.00E+00	3.96E-01	--	3.96E-01	0.00E+00	4.05E-01	8.01E-01	7.32E+00	1.09E-01
LEAD, DISSOLVED	--	1.00E-02	1.98E-02	--	1.98E-02	0.00E+00	4.50E-04	2.02E-02	1.13E+00	1.79E-02
MAGNESIUM, DISSOLVED	--	5.80E+01	2.55E+00	--	2.55E+00	0.00E+00	2.61E+00	5.16E+00	NA	--
MANGANESE, DISSOLVED	--	2.56E+00	1.13E-01	--	1.13E-01	0.00E+00	1.15E-01	2.28E-01	9.80E+01	2.32E-03
MERCURY, DISSOLVED	--	3.80E-04	8.36E-02	--	8.36E-02	0.00E+00	1.71E-05	8.36E-02	6.80E-02	***1.23E+00***
NICKEL, DISSOLVED	--	1.10E+00	5.13E+00	--	5.13E+00	0.00E+00	4.95E-02	5.18E+00	1.76E+01	2.94E-01
SELENIUM, DISSOLVED	--	5.87E-02	6.71E+00	--	6.71E+00	0.00E+00	2.64E-03	6.72E+00	4.00E-01	***1.68E+01***
SILVER, DISSOLVED	--	1.00E-02	4.40E-04	--	4.40E-04	0.00E+00	4.50E-04	8.90E-04	5.93E+01	1.50E-05
THALLIUM, DISSOLVED	--	2.00E+00	2.99E+00	--	2.99E+00	0.00E+00	9.00E-02	3.08E+00	5.30E-02	***5.81E+01***
VANADIUM, DISSOLVED	--	8.00E-01	3.52E-02	--	3.52E-02	0.00E+00	3.60E-02	7.12E-02	1.14E+01	6.24E-03
ZINC, DISSOLVED	--	3.10E-01	1.32E+01	--	1.32E+01	0.00E+00	1.78E-02	1.32E+01	1.45E+01	9.10E-01
Organics										
AROCLOR-1016	--	5.00E-04	1.66E+00	--	1.66E+00	0.00E+00	2.25E-05	1.66E+00	9.00E-02	***1.84E+01***
AROCLOR-1221	--	5.00E-04	9.91E+00	--	9.91E+00	0.00E+00	2.25E-05	9.91E+00	9.00E-02	***1.10E+02***
AROCLOR-1232	--	5.00E-04	9.91E+00	--	9.91E+00	0.00E+00	2.25E-05	9.91E+00	9.00E-02	***1.10E+02***
AROCLOR-1242	--	5.00E-04	1.66E+00	--	1.66E+00	0.00E+00	2.25E-05	1.66E+00	9.00E-02	***1.84E+01***
AROCLOR-1248	--	5.00E-04	8.05E+00	--	8.05E+00	0.00E+00	2.25E-05	8.05E+00	9.00E-02	***8.95E+01***
AROCLOR-1254	--	5.00E-04	4.07E+01	--	4.07E+01	0.00E+00	2.25E-05	4.07E+01	9.00E-02	***4.52E+02***
AROCLOR-1260	--	5.00E-04	9.91E+00	--	9.91E+00	0.00E+00	2.25E-05	9.91E+00	9.00E-02	***1.10E+02***
PCBs HI										***9.09E+02***
7,12-DIMETHYLBENZ(A)ANTHRACENE	--	6.10E-03	3.57E+01	--	3.57E+01	0.00E+00	2.74E-04	3.57E+01	4.56E+00	***7.84E+00***
ACENAPHTHENE	--	1.00E-01	1.70E+00	--	1.70E+00	0.00E+00	4.50E-03	1.71E+00	4.56E+00	3.74E-01
ACENAPHTHYLENE	--	1.00E-01	1.89E+00	--	1.89E+00	0.00E+00	4.50E-03	1.90E+00	5.38E+01	3.53E-02
ANTHRACENE	--	1.00E-01	4.95E+00	--	4.95E+00	0.00E+00	4.50E-03	4.96E+00	5.38E+01	9.22E-02
BENZO(A)ANTHRACENE	--	1.00E-01	1.27E+02	--	1.27E+02	0.00E+00	4.50E-03	1.27E+02	4.56E+00	***2.79E+01***
BENZO(A)PYRENE	--	1.00E-01	2.67E+00	--	2.67E+00	0.00E+00	4.50E-03	2.68E+00	4.56E+00	5.88E-01
BENZO(B)FLUORANTHENE	--	1.00E-01	1.32E-01	--	1.32E-01	0.00E+00	4.50E-03	1.36E-01	4.56E+00	2.99E-02
BENZO(G,H,I)PERYLENE	--	1.00E-01	4.03E+03	--	4.03E+03	0.00E+00	4.50E-03	4.03E+03	4.56E+00	***8.83E+02***
BENZO(K)FLUORANTHENE	--	1.00E-01	1.38E+03	--	1.38E+03	0.00E+00	4.50E-03	1.38E+03	4.56E+00	***3.02E+02***
CHRYSENE	--	1.00E-01	1.32E-01	--	1.32E-01	0.00E+00	4.50E-03	1.36E-01	4.56E+00	2.99E-02
DIBENZ(A,H)ANTHRACENE	--	1.00E-01	1.32E-01	--	1.32E-01	0.00E+00	4.50E-03	1.36E-01	4.56E+00	2.99E-02
FLUORANTHENE	--	1.00E-01	5.06E+00	--	5.06E+00	0.00E+00	4.50E-03	5.06E+00	4.56E+00	***1.11E+00***
FLUORENE	--	1.00E-01	7.92E+00	--	7.92E+00	0.00E+00	4.50E-03	7.92E+00	4.56E+00	***1.74E+00***

Table 4-12
Initial Risk Estimation for Avian Wildlife Exposed to Site Waterbodies
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Sediment Max. Concentration (mg/kg)	Surfacewater/ Groundwater Concentration (mg/L)	Food Intake from Vertebrates (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Soil Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient
INDENO(1,2,3-CD)PYRENE	--	1.00E-01	1.32E-01	--	1.32E-01	0.00E+00	4.50E-03	1.36E-01	4.56E+00	2.99E-02
NAPHTHALENE	--	1.00E-01	1.36E+00	--	1.36E+00	0.00E+00	4.50E-03	1.37E+00	5.38E+01	2.54E-02
PHENANTHRENE	--	1.00E-01	1.32E+01	--	1.32E+01	0.00E+00	4.50E-03	1.32E+01	4.56E+00	***2.90E+00***
PYRENE	--	1.00E-01	4.97E+00	--	4.97E+00	0.00E+00	4.50E-03	4.98E+00	4.56E+00	***1.09E+00***
PAH HI										***1.23E+03***
1,2,3-TRICHLOROBENZENE	--	5.00E-01	2.04E+01	--	2.04E+01	0.00E+00	2.25E-02	2.04E+01	1.72E+01	***1.19E+00***
1,2,4-TRICHLOROBENZENE	--	1.00E-01	7.76E+00	--	7.76E+00	0.00E+00	4.50E-03	7.77E+00	1.72E+01	4.52E-01
1,2-DICHLOROBENZENE	--	1.00E-01	1.60E+00	--	1.60E+00	0.00E+00	4.50E-03	1.60E+00	5.31E+01	3.02E-02
1,3-DICHLOROBENZENE	--	1.00E-01	1.56E+00	--	1.56E+00	0.00E+00	4.50E-03	1.56E+00	1.72E+01	9.07E-02
1,4-DICHLOROBENZENE	--	1.00E-01	1.56E+00	--	1.56E+00	0.00E+00	4.50E-03	1.56E+00	5.31E+01	2.94E-02
2,4,5-TRICHLOROPHENOL	--	5.00E-01	9.82E+00	--	9.82E+00	0.00E+00	2.25E-02	9.84E+00	NA	--
2,4,6-TRICHLOROPHENOL	--	1.00E-01	2.72E+00	--	2.72E+00	0.00E+00	4.50E-03	2.72E+00	NA	--
2,4-DICHLOROPHENOL	--	1.00E-01	4.26E-01	--	4.26E-01	0.00E+00	4.50E-03	4.30E-01	NA	--
2,4-DIMETHYLPHENOL	--	1.00E-01	3.64E-01	--	3.64E-01	0.00E+00	4.50E-03	3.69E-01	NA	--
2,4-DINITROPHENOL	--	5.00E-01	1.80E-01	--	1.80E-01	0.00E+00	2.25E-02	2.02E-01	NA	--
2,4-DINITROTOLUENE	--	1.00E-01	8.62E-02	--	8.62E-02	0.00E+00	4.50E-03	9.07E-02	NA	--
2,6-DINITROTOLUENE	--	1.00E-01	9.41E-02	--	9.41E-02	0.00E+00	4.50E-03	9.86E-02	NA	--
2-CHLORONAPHTHALENE	--	1.00E-01	3.56E+00	--	3.56E+00	0.00E+00	4.50E-03	3.56E+00	NA	--
2-CHLOROPHENOL	--	1.00E-01	1.18E-01	--	1.18E-01	0.00E+00	4.50E-03	1.22E-01	NA	--
2-METHYLNAPHTHALENE	--	1.00E-01	2.67E+00	--	2.67E+00	0.00E+00	4.50E-03	2.68E+00	5.38E+01	4.97E-02
2-METHYLPHENOL	--	1.00E-01	8.47E-02	--	8.47E-02	0.00E+00	4.50E-03	8.92E-02	4.17E+00	2.14E-02
2-NITROANILINE	--	5.00E-01	2.20E-02	--	2.20E-02	0.00E+00	2.25E-02	4.45E-02	NA	--
2-NITROPHENOL	--	1.00E-01	5.97E-02	--	5.97E-02	0.00E+00	4.50E-03	6.42E-02	NA	--
3,3'-DICHLOROBENZIDINE	--	2.00E-01	2.53E+00	--	2.53E+00	0.00E+00	9.00E-03	2.53E+00	NA	--
3-NITROANILINE	--	5.00E-01	2.20E-02	--	2.20E-02	0.00E+00	2.25E-02	4.45E-02	NA	--
4,6-DINITRO-2-METHYLPHENOL	--	5.00E-01	1.50E+00	--	1.50E+00	0.00E+00	2.25E-02	1.52E+00	NA	--
4-BROMOPHENYL PHENYLETHER	--	1.00E-01	4.40E-03	--	4.40E-03	0.00E+00	4.50E-03	8.90E-03	NA	--
4-CHLORO-3-METHYLPHENOL	--	1.00E-01	6.08E-01	--	6.08E-01	0.00E+00	4.50E-03	6.13E-01	NA	--
4-CHLOROANILINE	--	1.00E-01	6.40E-02	--	6.40E-02	0.00E+00	4.50E-03	6.85E-02	NA	--
4-CHLOROPHENYL-PHENYLETHER	--	1.00E-01	4.29E+00	--	4.29E+00	0.00E+00	4.50E-03	4.29E+00	NA	--
4-METHYLPHENOL	--	1.00E-02	7.63E-03	--	7.63E-03	0.00E+00	4.50E-04	8.08E-03	4.17E+00	1.94E-03
4-NITROANILINE	--	5.00E-01	1.48E-01	--	1.48E-01	0.00E+00	2.25E-02	1.71E-01	NA	--
4-NITROPHENOL	--	5.00E-01	3.68E-01	--	3.68E-01	0.00E+00	2.25E-02	3.91E-01	NA	--
BENZOIC ACID	--	5.00E-02	3.43E-02	--	3.43E-02	0.00E+00	2.25E-03	3.66E-02	NA	--
BENZYL ALCOHOL	--	2.00E-02	3.55E-03	--	3.55E-03	0.00E+00	9.00E-04	4.45E-03	NA	--
BIS(2-CHLOROETHOXY)METHANE	--	1.00E-01	4.40E-03	--	4.40E-03	0.00E+00	4.50E-03	8.90E-03	NA	--
BIS(2-CHLOROETHYL)ETHER	--	1.00E-01	3.59E-02	--	3.59E-02	0.00E+00	4.50E-03	4.04E-02	NA	--
BIS(2-CHLOROISOPROPYL)ETHER	--	1.00E-01	1.03E-01	--	1.03E-01	0.00E+00	4.50E-03	1.07E-01	NA	--
BIS(2-ETHYLHEXYL)PHTHALATE	--	1.00E-01	5.72E-01	--	5.72E-01	0.00E+00	4.50E-03	5.76E-01	1.11E+00	5.19E-01
BUTYLBENZYL PHTHALATE	--	1.00E-01	3.43E+01	--	3.43E+01	0.00E+00	4.50E-03	3.44E+01	2.20E-01	***1.56E+02***
DIBENZOFURAN	--	1.00E-01	4.84E+00	--	4.84E+00	0.00E+00	4.50E-03	4.84E+00	NA	--
DIETHYLPHTHALATE	--	1.00E-01	2.08E-01	--	2.08E-01	0.00E+00	4.50E-03	2.12E-01	2.20E-01	9.65E-01
DIMETHYLPHTHALATE	--	1.00E-01	3.99E-02	--	3.99E-02	0.00E+00	4.50E-03	4.44E-02	2.20E-01	2.02E-01
DI-N-BUTYLPHTHALATE	--	1.00E-01	1.61E+01	--	1.61E+01	0.00E+00	4.50E-03	1.61E+01	2.20E-01	***7.32E+01***

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Chemical	Sediment Max. Concentration (mg/kg)	Surfacewater/ Groundwater Concentration (mg/L)	Food Intake from Vertebrates (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Soil Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient
DI-N-OCTYL PHTHALATE	--	1.00E-01	1.23E+05	--	1.23E+05	0.00E+00	4.50E-03	1.23E+05	2.20E-01	***5.57E+05***
HEXACHLOROBENZENE	--	1.00E-01	1.17E+02	--	1.17E+02	0.00E+00	4.50E-03	1.17E+02	5.60E-01	***2.10E+02***
HEXACHLOROBUTADIENE	--	1.00E-01	2.42E+01	--	2.42E+01	0.00E+00	4.50E-03	2.42E+01	NA	--
HEXACHLOROCYCLOPENTADIENE	--	1.00E-01	3.56E+00	--	3.56E+00	0.00E+00	4.50E-03	3.56E+00	NA	--
HEXACHLOROETHANE	--	1.00E-01	1.58E+01	--	1.58E+01	0.00E+00	4.50E-03	1.58E+01	NA	--
ISOPHORONE	--	1.00E-01	1.36E-01	--	1.36E-01	0.00E+00	4.50E-03	1.40E-01	NA	--
NITROBENZENE	--	1.00E-01	6.63E-02	--	6.63E-02	0.00E+00	4.50E-03	7.08E-02	NA	--
N-NITROSO-DI-N-PROPYLAMINE	--	1.00E-01	3.53E-02	--	3.53E-02	0.00E+00	4.50E-03	3.98E-02	NA	--
N-NITROSODIPHENYLAMINE	--	1.00E-01	6.41E-01	--	6.41E-01	0.00E+00	4.50E-03	6.46E-01	NA	--
PENTACHLOROPHENOL	--	5.00E-01	8.01E+01	--	8.01E+01	0.00E+00	2.25E-02	8.02E+01	5.78E+00	***1.39E+01***
PHENOL	--	1.00E-02	3.35E-03	--	3.35E-03	0.00E+00	4.50E-04	3.80E-03	NA	--
PYRIDINE	--	2.00E-02	1.64E-03	--	1.64E-03	0.00E+00	9.00E-04	2.54E-03	NA	--
1,1,1,2-TETRACHLOROETHANE	--	5.00E-04	2.69E-03	--	2.69E-03	0.00E+00	2.25E-05	2.71E-03	1.72E+01	1.58E-04
1,1,1-TRICHLOROETHANE	--	5.00E-02	1.04E-01	--	1.04E-01	0.00E+00	2.25E-03	1.06E-01	1.72E+01	6.17E-03
1,1,2,2-TETRACHLOROETHANE	--	5.00E-02	8.53E-02	--	8.53E-02	0.00E+00	2.25E-03	8.75E-02	1.72E+01	5.09E-03
1,1,2-TRICHLOROETHANE	--	5.00E-02	9.86E-02	--	9.86E-02	0.00E+00	2.25E-03	1.01E-01	1.72E+01	5.86E-03
1,1-DICHLOROETHANE	--	5.00E-02	2.99E-02	--	2.99E-02	0.00E+00	2.25E-03	3.21E-02	1.72E+01	1.87E-03
1,1-DICHLOROETHENE	--	5.00E-02	5.41E-02	--	5.41E-02	0.00E+00	2.25E-03	5.64E-02	1.72E+01	3.28E-03
1,1-DICHLOROPROPENE	--	5.00E-04	1.11E-03	--	1.11E-03	0.00E+00	2.25E-05	1.14E-03	1.72E+01	6.61E-05
1,2,3-TRICHLOROPROPANE	--	5.00E-04	7.52E-02	--	7.52E-02	0.00E+00	2.25E-05	7.52E-02	1.72E+01	4.37E-03
1,2-DIBROMO-3-CHLOROPROPANE	--	5.00E-04	7.16E-04	--	7.16E-04	0.00E+00	2.25E-05	7.39E-04	NA	--
1,2-DIBROMOETHANE	--	5.00E-04	4.02E-04	--	4.02E-04	0.00E+00	2.25E-05	4.24E-04	1.72E+01	2.47E-05
1,2-DIBROMOMETHANE	--	5.00E-04	5.05E-03	--	5.05E-03	0.00E+00	2.25E-05	5.08E-03	NA	--
1,2-DICHLOROETHANE	--	5.00E-02	1.70E-02	--	1.70E-02	0.00E+00	2.25E-03	1.92E-02	1.72E+01	1.12E-03
1,2-DICHLOROETHENE (TOTAL)	--	5.00E-03	3.38E-03	--	3.38E-03	0.00E+00	2.25E-04	3.60E-03	1.72E+01	2.09E-04
1,2-DICHLOROPROPANE	--	5.00E-02	4.31E-02	--	4.31E-02	0.00E+00	2.25E-03	4.54E-02	1.72E+01	2.64E-03
1,3,5-TRIMETHYLBENZENE	--	5.00E-04	2.20E-05	--	2.20E-05	0.00E+00	2.25E-05	4.45E-05	NA	--
1,3-DICHLOROPROPANE	--	5.00E-04	4.31E-04	--	4.31E-04	0.00E+00	2.25E-05	4.54E-04	1.72E+01	2.64E-05
2,2-DICHLOROPROPANE	--	5.00E-04	2.21E-03	--	2.21E-03	0.00E+00	2.25E-05	2.23E-03	1.72E+01	1.30E-04
2-BUTANONE	--	5.00E-01	2.11E-02	--	2.11E-02	0.00E+00	2.25E-02	4.36E-02	NA	--
2-CHLOROETHYL VINYL ETHER	--	5.00E-02	1.00E-02	--	1.00E-02	0.00E+00	2.25E-03	1.23E-02	NA	--
2-CHLOROTOLUENE	--	5.00E-04	2.20E-05	--	2.20E-05	0.00E+00	2.25E-05	4.45E-05	NA	--
2-HEXANONE	--	5.00E-01	1.46E-01	--	1.46E-01	0.00E+00	2.25E-02	1.68E-01	NA	--
4-CHLOROTOLUENE	--	5.00E-04	2.20E-05	--	2.20E-05	0.00E+00	2.25E-05	4.45E-05	NA	--
4-METHYL-2-PENTANONE	--	5.00E-01	1.04E-01	--	1.04E-01	0.00E+00	2.25E-02	1.27E-01	NA	--
ACETONE	--	1.00E+00	1.72E-02	--	1.72E-02	0.00E+00	4.50E-02	6.22E-02	3.17E+01	1.96E-03
BENZENE	--	3.70E-01	4.00E-01	--	4.00E-01	0.00E+00	1.67E-02	4.17E-01	1.34E+01	3.11E-02
BROMOBENZENE	--	5.00E-04	2.20E-05	--	2.20E-05	0.00E+00	2.25E-05	4.45E-05	NA	--
BROMOCHLOROMETHANE	--	5.00E-04	2.20E-05	--	2.20E-05	0.00E+00	2.25E-05	4.45E-05	NA	--
BROMODICHLOROMETHANE	--	5.00E-02	6.57E-02	--	6.57E-02	0.00E+00	2.25E-03	6.79E-02	NA	--
BROMOFORM	--	5.00E-02	8.67E-02	--	8.67E-02	0.00E+00	2.25E-03	8.90E-02	NA	--
BROMOMETHANE	--	1.00E-01	2.08E-02	--	2.08E-02	0.00E+00	4.50E-03	2.53E-02	NA	--
CARBON DISULFIDE	--	1.20E-01	1.03E-01	--	1.03E-01	0.00E+00	5.40E-03	1.09E-01	NA	--
CARBON TETRACHLORIDE	--	5.00E-02	1.55E-01	--	1.55E-01	0.00E+00	2.25E-03	1.58E-01	NA	--

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Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Sediment Max. Concentration (mg/kg)	Surfacewater/ Groundwater Concentration (mg/L)	Food Intake from Vertebrates (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Soil Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient
CHLOROBENZENE	--	5.00E-02	1.92E-01	--	1.92E-01	0.00E+00	2.25E-03	1.94E-01	5.31E+01	3.66E-03
CHLOROETHANE	--	1.00E-01	3.18E-02	--	3.18E-02	0.00E+00	4.50E-03	3.63E-02	NA	--
CHLOROFORM	--	5.00E-02	3.75E-02	--	3.75E-02	0.00E+00	2.25E-03	3.97E-02	NA	--
CHLOROMETHANE	--	1.00E-01	1.37E-02	--	1.37E-02	0.00E+00	4.50E-03	1.82E-02	NA	--
CIS-1,2-DICHLOROETHENE	--	5.00E-04	3.37E-04	--	3.37E-04	0.00E+00	2.25E-05	3.60E-04	1.72E+01	2.09E-05
CIS-1,3-DICHLOROPROPENE	--	5.00E-02	4.31E-02	--	4.31E-02	0.00E+00	2.25E-03	4.54E-02	1.20E+01	3.78E-03
DIBROMOCHLOROMETHANE	--	5.00E-02	5.04E-02	--	5.04E-02	0.00E+00	2.25E-03	5.27E-02	NA	--
DICHLORODIFLUOROMETHANE	--	5.00E-04	5.70E-04	--	5.70E-04	0.00E+00	2.25E-05	5.93E-04	NA	--
ETHYLBENZENE	--	2.82E-01	1.88E+00	--	1.88E+00	0.00E+00	1.27E-02	1.90E+00	1.34E+01	1.41E-01
METHYLENE CHLORIDE	--	5.00E-02	1.15E-02	--	1.15E-02	0.00E+00	2.25E-03	1.38E-02	NA	--
O-XYLENE	--	2.62E-01	1.22E+00	--	1.22E+00	0.00E+00	1.18E-02	1.23E+00	1.71E+01	7.18E-02
STYRENE	--	5.00E-02	2.32E-01	--	2.32E-01	0.00E+00	2.25E-03	2.35E-01	1.71E+01	1.37E-02
TETRACHLOROETHENE	--	5.00E-02	1.26E-01	--	1.26E-01	0.00E+00	2.25E-03	1.28E-01	NA	--
TOLUENE	--	1.30E-01	4.26E-01	--	4.26E-01	0.00E+00	5.85E-03	4.32E-01	1.34E+01	3.21E-02
TRANS-1,2-DICHLOROETHENE	--	5.00E-02	1.74E-02	--	1.74E-02	0.00E+00	2.25E-03	1.96E-02	1.20E+01	1.63E-03
TRANS-1,3-DICHLOROPROPENE	--	5.00E-02	4.31E-02	--	4.31E-02	0.00E+00	2.25E-03	4.54E-02	1.20E+01	3.78E-03
TRICHLOROETHENE	--	5.00E-02	1.50E-01	--	3.50E-01	0.00E+00	2.25E-03	3.52E-01	1.72E+01	2.05E-02
TRICHLOROFLUOROMETHANE	--	5.00E-04	1.12E-03	--	1.12E-03	0.00E+00	2.25E-05	1.14E-03	NA	--
VINYL ACETATE	--	5.00E-01	2.95E-02	--	2.95E-02	0.00E+00	2.25E-02	5.20E-02	NA	--
VINYL CHLORIDE	--	1.00E-01	3.58E-02	--	3.58E-02	0.00E+00	4.50E-03	4.03E-02	NA	--
XYLENES (TOTAL)	--	1.05E+00	8.60E+00	--	8.60E+00	0.00E+00	4.73E-02	8.65E+00	1.34E+01	6.44E-01
1,2,4-TRIMETHYLBENZENE	--	5.00E-04	8.38E-03	--	8.38E-03	0.00E+00	2.25E-05	8.41E-03	1.72E+01	4.89E-04
ISOPROPYLBENZENE	--	5.00E-04	8.84E-03	--	8.84E-03	0.00E+00	2.25E-05	8.86E-03	1.71E+01	5.18E-04
METHANE	--	1.00E+01	4.40E-01	--	4.40E-01	0.00E+00	4.50E-01	8.90E-01	NA	--
N-BUTYLBENZENE	--	5.00E-04	1.90E-02	--	1.90E-02	0.00E+00	2.25E-05	1.90E-02	1.71E+01	1.11E-03
N-PROPYLBENZENE	--	5.00E-04	6.76E-03	--	6.76E-03	0.00E+00	2.25E-05	6.79E-03	1.71E+01	3.96E-04
P-ISOPROPYLTOLUENE	--	5.00E-04	2.22E-02	--	2.22E-02	0.00E+00	2.25E-05	2.23E-02	1.71E+01	1.30E-03
SEC-BUTYLBENZENE	--	5.00E-04	1.60E-02	--	1.60E-02	0.00E+00	2.25E-05	1.60E-02	1.71E+01	9.37E-04
TERT-BUTYL METHYL ETHER	--	2.92E-02	6.62E-03	--	6.62E-03	0.00E+00	1.31E-03	7.94E-03	NA	--
TERT-BUTYLBENZENE	--	5.00E-04	2.38E-02	--	2.38E-02	0.00E+00	2.25E-05	2.38E-02	1.71E+01	1.39E-03
ALKALINITY, BICARB.	--	9.39E+02	4.13E+01	--	4.13E+01	0.00E+00	4.23E+01	8.36E+01	NA	--
ALKALINITY, CARB.	--	5.00E+00	2.20E-01	--	2.20E-01	0.00E+00	2.25E-01	4.45E-01	NA	--
ALKALINITY, TOTAL	--	4.86E+02	2.14E+01	--	2.14E+01	0.00E+00	2.19E+01	4.32E+01	NA	--
AMMONIA AS NH3	--	5.30E+00	2.33E-01	--	2.33E-01	0.00E+00	2.39E-01	4.72E-01	NA	--
AMMONIA AS NH3, TOTAL	--	4.06E+00	1.79E-01	--	1.79E-01	0.00E+00	1.83E-01	3.61E-01	NA	--
CALCIUM	--	1.61E+02	7.08E+00	--	7.08E+00	0.00E+00	7.25E+00	1.43E+01	NA	--
CALCIUM, DISSOLVED	--	1.61E+02	0.00E+00	--	0.00E+00	0.00E+00	7.25E+00	7.25E+00	NA	--
CALCIUM, TOTAL	--	1.61E+02	7.08E+00	--	7.08E+00	0.00E+00	7.25E+00	1.43E+01	NA	--
CHLORIDE	--	1.29E+03	5.67E+01	--	5.67E+01	0.00E+00	5.81E+01	1.15E+02	NA	--
NITRATE AS N	--	7.40E+00	3.26E-01	--	3.26E-01	0.00E+00	3.33E-01	6.59E-01	NA	--
NITRITE AS N	--	2.40E-01	1.06E-02	--	1.06E-02	0.00E+00	1.08E-02	2.14E-02	NA	--
NITROGEN-TKN	--	1.01E+01	4.44E-01	--	4.44E-01	0.00E+00	4.55E-01	8.99E-01	NA	--
ORTHOPHOSPHATE AS P	--	1.80E+00	7.92E-02	--	7.92E-02	0.00E+00	8.10E-02	1.60E-01	NA	--
PHOSPHORUS	--	2.28E+00	1.00E-01	--	1.00E-01	0.00E+00	1.03E-01	2.03E-01	8.00E+01	2.54E-03

Table 4-12
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Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Sediment Max. Concentration (mg/kg)	Surfacewater/ Groundwater Concentration (mg/L)	Food Intake from Vertebrates (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Soil Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient
PHOSPHORUS, TOTAL	--	9.10E-01	0.00E+00	--	0.00E+00	0.00E+00	4.10E-02	4.10E-02	NA	--
POTASSIUM	--	2.40E+01	1.06E+00	--	1.06E+00	0.00E+00	1.08E+00	2.14E+00	NA	--
POTASSIUM, DISSOLVED	--	2.40E+01	0.00E+00	--	0.00E+00	0.00E+00	1.08E+00	1.08E+00	NA	--
POTASSIUM, TOTAL	--	2.40E+01	0.00E+00	--	0.00E+00	0.00E+00	1.08E+00	1.08E+00	NA	--
SODIUM	--	3.50E+02	1.54E+01	--	1.54E+01	0.00E+00	1.58E+01	3.11E+01	NA	--
SODIUM, DISSOLVED	--	3.50E+02	0.00E+00	--	0.00E+00	0.00E+00	1.58E+01	1.58E+01	NA	--
SODIUM, TOTAL	--	3.50E+02	0.00E+00	--	0.00E+00	0.00E+00	1.58E+01	1.58E+01	NA	--
SULFATE	--	6.00E+02	0.00E+00	--	0.00E+00	0.00E+00	2.70E+01	2.70E+01	NA	--
SULFIDE	--	9.50E+00	0.00E+00	--	0.00E+00	0.00E+00	4.28E-01	4.28E-01	NA	--
SULFIDE, TOTAL	--	9.50E+00	0.00E+00	--	0.00E+00	0.00E+00	4.28E-01	4.28E-01	NA	--
				Black Necked Stilt						
Metals										
ANTIMONY	1.00E+02	1.00E-01	0.00E+00	1.07E+01	1.07E+01	1.82E+00	1.07E-02	1.25E+01	NA	--
ARSENIC	9.00E+00	1.89E-02	0.00E+00	6.24E+00	6.24E+00	1.64E-01	2.02E-03	6.40E+00	9.30E+00	6.88E-01
BARIUM	2.50E+02	7.30E-01	0.00E+00	4.28E+00	4.28E+00	4.55E+00	7.81E-02	8.91E+00	2.08E+01	4.28E-01
BERYLLIUM	5.00E+00	5.00E-03	0.00E+00	6.32E-01	6.32E-01	9.10E-02	5.35E-04	7.24E-01	NA	--
CADMIUM	5.00E+00	5.00E-03	0.00E+00	3.12E+00	3.12E+00	9.10E-02	5.35E-04	3.21E+00	1.60E-01	***2.01E+01***
CHROMIUM	1.87E+03	1.00E-02	0.00E+00	1.58E+01	1.58E+01	3.40E+01	1.07E-03	4.99E+01	1.00E+00	***4.99E+01***
CHROMIUM (VI)	3.60E+01	1.00E-02	0.00E+00	3.91E+00	3.91E+00	6.55E-01	1.07E-03	4.56E+00	1.00E+00	***4.56E+00***
COBALT	2.49E+01	3.00E-02	0.00E+00	4.26E-01	4.26E-01	4.53E-01	3.21E-03	8.82E-01	7.61E+00	1.16E-01
COPPER	1.40E+02	1.00E-02	0.00E+00	6.93E+00	6.93E+00	2.55E+00	1.07E-03	9.48E+00	4.70E+01	2.02E-01
IRON	6.52E+04	9.00E+00	0.00E+00	5.44E+02	5.44E+02	1.19E+03	9.63E-01	1.73E+03	7.32E+00	***2.36E+02***
LEAD	9.61E+01	1.00E-02	0.00E+00	3.80E+01	3.80E+01	1.75E+00	1.07E-03	3.97E+01	1.13E+00	***3.51E+01***
MAGNESIUM	2.55E+04	5.80E+01	0.00E+00	1.16E+03	1.16E+03	4.64E+02	6.21E+00	1.63E+03	NA	--
MANGANESE	2.05E+03	2.56E+00	0.00E+00	1.81E+02	1.81E+02	3.73E+01	2.74E-01	2.18E+02	9.80E+01	***2.23E+00***
MERCURY	7.50E-01	3.80E-04	0.00E+00	2.40E-01	2.40E-01	1.36E-02	4.07E-05	2.54E-01	6.80E-02	***3.73E+00***
NICKEL	2.17E+02	1.10E+00	0.00E+00	4.16E+01	4.16E+01	3.95E+00	1.18E-01	4.57E+01	1.76E+01	***2.60E+00***
SELENIUM	1.00E+01	5.87E-02	0.00E+00	5.33E+00	5.33E+00	1.82E-01	6.28E-03	5.52E+00	4.00E-01	***1.38E+01***
SILVER	4.42E+00	1.00E-02	0.00E+00	7.25E+00	7.25E+00	8.04E-02	1.07E-03	7.34E+00	5.93E+01	1.24E-01
TIN	1.22E+02	0.00E+00	0.00E+00	1.31E+01	1.31E+01	2.22E+00	0.00E+00	1.53E+01	6.80E+00	***2.25E+00***
VANADIUM	3.99E+02	8.00E-01	0.00E+00	3.76E+00	3.76E+00	7.26E+00	8.56E-02	1.11E+01	1.14E+01	9.74E-01
ZINC	1.01E+03	3.10E-01	0.00E+00	7.10E+00	7.10E+00	1.84E+01	3.32E-02	2.55E+01	1.45E+01	***1.76E+00***
Organics										
AROCLOR-1016	6.86E-02	5.00E-04	0.00E+00	6.43E-01	6.43E-01	1.25E-03	5.35E-05	6.44E-01	9.00E-02	***7.16E+00***
AROCLOR-1221	8.33E-02	5.00E-04	0.00E+00	6.55E-01	6.55E-01	1.51E-03	5.35E-05	6.57E-01	9.00E-02	***7.30E+00***
AROCLOR-1232	8.33E-02	5.00E-04	0.00E+00	6.55E-01	6.55E-01	1.51E-03	5.35E-05	6.57E-01	9.00E-02	***7.30E+00***
AROCLOR-1242	8.33E-02	5.00E-04	0.00E+00	6.55E-01	6.55E-01	1.51E-03	5.35E-05	6.57E-01	9.00E-02	***7.30E+00***
AROCLOR-1248	2.00E-01	5.00E-04	0.00E+00	7.60E-01	7.60E-01	3.64E-03	5.35E-05	7.63E-01	9.00E-02	***8.48E+00***
AROCLOR-1254	8.33E-02	5.00E-04	0.00E+00	6.55E-01	6.55E-01	1.51E-03	5.35E-05	6.57E-01	9.00E-02	***7.30E+00***
AROCLOR-1260	1.00E-01	5.00E-04	0.00E+00	6.70E-01	6.70E-01	1.82E-03	5.35E-05	6.72E-01	9.00E-02	***7.46E+00***
PCBs HI										***5.23E+01***
7,12-DIMETHYLBENZ(A)ANTHRACENE	8.33E-02	6.10E-03	0.00E+00	3.58E+01	3.58E+01	1.51E-03	6.53E-04	3.58E+01	4.56E+00	***7.85E+00***
ACENAPHTHENE	1.70E+00	1.00E-01	0.00E+00	3.71E-01	3.71E-01	3.09E-02	1.07E-02	4.13E-01	4.56E+00	9.05E-02
ACENAPHTHYLENE	1.70E+00	1.00E-01	0.00E+00	1.39E+01	1.39E+01	3.09E-02	1.07E-02	1.40E+01	5.38E+01	2.60E-01

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Chemical	Sediment Max. Concentration (mg/kg)	Surfacewater/ Groundwater Concentration (mg/L)	Food Intake from Vertebrates (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Soil Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient
ANTHRACENE	1.70E+00	1.00E-01	0.00E+00	5.74E+01	5.74E+01	3.09E-02	1.07E-02	5.74E+01	5.38E+01	***1.07E+00***
BENZO(A)ANTHRACENE	2.10E+00	1.00E-01	0.00E+00	8.04E-02	8.04E-02	3.82E-02	1.07E-02	1.29E-01	4.56E+00	2.84E-02
BENZO(A)PYRENE	3.00E+00	1.00E-01	0.00E+00	4.08E-02	4.08E-02	5.46E-02	1.07E-02	1.06E-01	4.56E+00	2.33E-02
BENZO(B)FLUORANTHENE	2.10E+00	1.00E-01	0.00E+00	3.37E-02	3.37E-02	3.82E-02	1.07E-02	8.26E-02	4.56E+00	1.81E-02
BENZO(G,H,I)PERYLENE	1.00E+01	1.00E-01	0.00E+00	2.06E+04	2.06E+04	1.82E-01	1.07E-02	2.06E+04	4.56E+00	***4.51E+03***
BENZO(K)FLUORANTHENE	2.10E+00	1.00E-01	0.00E+00	1.62E+03	1.62E+03	3.82E-02	1.07E-02	1.62E+03	4.56E+00	***3.56E+02***
CHRYSENE	2.10E+00	1.00E-01	0.00E+00	4.45E-02	4.45E-02	3.82E-02	1.07E-02	9.34E-02	4.56E+00	2.05E-02
DIBENZ(A,H)ANTHRACENE	3.40E+00	1.00E-01	0.00E+00	7.60E-02	7.60E-02	6.18E-02	1.07E-02	1.49E-01	4.56E+00	3.26E-02
FLUORANTHENE	1.70E+00	1.00E-01	0.00E+00	3.86E-02	3.86E-02	3.09E-02	1.07E-02	8.02E-02	4.56E+00	1.76E-02
FLUORENE	1.70E+00	1.00E-01	0.00E+00	8.75E-02	8.75E-02	3.09E-02	1.07E-02	1.29E-01	4.56E+00	2.83E-02
INDENO(1,2,3-CD)PYRENE	3.40E+00	1.00E-01	0.00E+00	6.29E-02	6.29E-02	6.18E-02	1.07E-02	1.35E-01	4.56E+00	2.97E-02
NAPHTHALENE	1.70E+00	1.00E-01	0.00E+00	3.80E-01	3.80E-01	3.09E-02	1.07E-02	4.22E-01	5.38E+01	7.84E-03
PHENANTHRENE	1.70E+00	1.00E-01	0.00E+00	5.84E+01	5.84E+01	3.09E-02	1.07E-02	5.84E+01	4.56E+00	***1.28E+01***
PYRENE	1.70E+00	1.00E-01	0.00E+00	7.91E-02	7.91E-02	3.09E-02	1.07E-02	1.21E-01	4.56E+00	2.65E-02
PAH HI										***4.89E+03***
1,2,3-TRICHLOROBENZENE	8.90E-03	0.00E+00	0.00E+00	1.41E-01	1.41E-01	1.62E-04	0.00E+00	1.41E-01	1.72E+01	8.22E-03
1,2,4-TRICHLOROBENZENE	2.10E+00	1.00E-01	0.00E+00	5.35E+01	5.35E+01	3.82E-02	1.07E-02	5.35E+01	1.72E+01	***3.11E+00***
1,2-DICHLOROBENZENE	1.70E+00	1.00E-01	0.00E+00	1.16E+01	1.16E+01	3.09E-02	1.07E-02	1.16E+01	5.31E+01	2.19E-01
1,2-DIPHENYLHYDRAZINE	3.70E-01	0.00E+00	0.00E+00	8.32E+02	8.32E+02	6.73E-03	0.00E+00	8.32E+02	NA	--
1,3-DICHLOROBENZENE	1.70E+00	1.00E-01	0.00E+00	1.15E+01	1.15E+01	3.09E-02	1.07E-02	1.16E+01	1.72E+01	6.73E-01
1,4-DICHLOROBENZENE	1.70E+00	1.00E-01	0.00E+00	1.15E+01	1.15E+01	3.09E-02	1.07E-02	1.16E+01	5.31E+01	2.18E-01
2,4,5-TRICHLOROPHENOL	4.20E+00	5.00E-01	0.00E+00	3.58E+01	3.58E+01	7.64E-02	5.35E-02	3.59E+01	NA	--
2,4,6-TRICHLOROPHENOL	9.00E-01	1.00E-01	0.00E+00	1.02E+01	1.02E+01	1.64E-02	1.07E-02	1.02E+01	NA	--
2,4-DICHLOROPHENOL	9.00E-01	1.00E-01	0.00E+00	1.63E+00	1.63E+00	1.64E-02	1.07E-02	1.66E+00	NA	--
2,4-DIMETHYLPHENOL	9.00E-01	1.00E-01	0.00E+00	1.38E+00	1.38E+00	1.64E-02	1.07E-02	1.40E+00	NA	--
2,4-DINITROPHENOL	4.52E+00	5.00E-01	0.00E+00	5.84E-01	5.84E-01	8.22E-02	5.35E-02	7.20E-01	NA	--
2,4-DINITROTOLUENE	3.00E+00	1.00E-01	0.00E+00	9.97E-01	9.97E-01	5.46E-02	1.07E-02	1.06E+00	NA	--
2,6-DINITROTOLUENE	3.00E+00	1.00E-01	0.00E+00	1.10E+00	1.10E+00	5.46E-02	1.07E-02	1.16E+00	NA	--
2-CHLORONAPHTHALENE	1.70E+00	1.00E-01	0.00E+00	2.45E+01	2.45E+01	3.09E-02	1.07E-02	2.46E+01	NA	--
2-CHLOROPHENOL	9.00E-01	1.00E-01	0.00E+00	4.19E-01	4.19E-01	1.64E-02	1.07E-02	4.46E-01	NA	--
2-METHYLNAPHTHALENE	2.10E+00	1.00E-01	0.00E+00	2.33E+01	2.33E+01	3.82E-02	1.07E-02	2.33E+01	5.38E+01	4.33E-01
2-METHYLPHENOL	9.00E-01	1.00E-01	0.00E+00	2.82E-01	2.82E-01	1.64E-02	1.07E-02	3.10E-01	4.17E+00	7.43E-02
2-NITROANILINE	4.52E+00	5.00E-01	0.00E+00	4.84E-01	4.84E-01	8.22E-02	5.35E-02	6.19E-01	NA	--
2-NITROPHENOL	9.00E-01	1.00E-01	0.00E+00	2.01E-01	2.01E-01	1.64E-02	1.07E-02	2.28E-01	NA	--
3,3'-DICHLOROBENZIDINE	1.10E+01	2.00E-01	0.00E+00	6.18E+01	6.18E+01	2.00E-01	2.14E-02	6.20E+01	NA	--
3-NITROANILINE	6.40E+00	5.00E-01	0.00E+00	6.85E-01	6.85E-01	1.16E-01	5.35E-02	8.55E-01	NA	--
4,6-DINITRO-2-METHYLPHENOL	4.52E+00	5.00E-01	0.00E+00	5.62E+00	5.62E+00	8.22E-02	5.35E-02	5.76E+00	NA	--
4-BROMOPHENYL PHENYLETHER	3.00E+00	1.00E-01	0.00E+00	3.21E-01	3.21E-01	5.46E-02	1.07E-02	3.86E-01	NA	--
4-CHLORO-3-METHYLPHENOL	9.00E-01	1.00E-01	0.00E+00	2.38E+00	2.38E+00	1.64E-02	1.07E-02	2.41E+00	NA	--
4-CHLOROANILINE	6.40E+00	1.00E-01	0.00E+00	1.54E+00	1.54E+00	1.16E-01	1.07E-02	1.67E+00	NA	--
4-CHLOROPHENYL-PHENYLETHER	2.10E+00	1.00E-01	0.00E+00	3.52E+01	3.52E+01	3.82E-02	1.07E-02	3.52E+01	NA	--
4-METHYLPHENOL	9.00E-01	1.00E-02	0.00E+00	2.62E-01	2.62E-01	1.64E-02	1.07E-03	2.79E-01	4.17E+00	6.71E-02
4-NITROANILINE	4.52E+00	5.00E-01	0.00E+00	4.75E-01	4.75E-01	8.22E-02	5.35E-02	6.10E-01	NA	--
4-NITROPHENOL	4.52E+00	5.00E-01	0.00E+00	1.27E+00	1.27E+00	8.22E-02	5.35E-02	1.40E+00	NA	--

Table 4-12
Initial Risk Estimation for Avian Wildlife Exposed to Site Waterbodies
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Sediment Max. Concentration (mg/kg)	Surfacewater/ Groundwater Concentration (mg/L)	Food Intake from Vertebrates (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Soil Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient
9H-CARBAZOLE	8.70E-01	0.00E+00	0.00E+00	7.41E+00	7.41E+00	1.58E-02	0.00E+00	7.42E+00	NA	--
BENZIDINE	7.50E+00	0.00E+00	0.00E+00	6.67E-01	6.67E-01	1.36E-01	0.00E+00	8.03E-01	NA	--
BENZOIC ACID	1.80E+01	5.00E-02	0.00E+00	4.68E+00	4.68E+00	3.27E-01	5.35E-03	5.01E+00	NA	--
BENZYL ALCOHOL	3.00E+00	2.00E-02	0.00E+00	1.83E-01	1.83E-01	5.46E-02	2.14E-03	2.39E-01	NA	--
BIS(2-CHLOROETHOXY)METHANE	1.70E+00	1.00E-01	0.00E+00	1.82E-01	1.82E-01	3.09E-02	1.07E-02	2.24E-01	NA	--
BIS(2-CHLOROETHYL)ETHER	1.70E+00	1.00E-01	0.00E+00	2.20E-01	2.20E-01	3.09E-02	1.07E-02	2.61E-01	NA	--
BIS(2-CHLOROISOPROPYL)ETHER	1.70E+00	1.00E-01	0.00E+00	6.82E-01	6.82E-01	3.09E-02	1.07E-02	7.24E-01	NA	--
BIS(2-ETHYLHEXYL)PHTHALATE	2.10E+00	1.00E-01	0.00E+00	2.69E+04	2.69E+04	3.82E-02	1.07E-02	2.69E+04	1.11E+00	***2.42E+04***
BUTYLBENZYL PHTHALATE	2.10E+00	1.00E-01	0.00E+00	1.48E+02	1.48E+02	3.82E-02	1.07E-02	1.48E+02	2.20E-01	***6.72E+02***
DIBENZOFURAN	2.60E+00	1.00E-01	0.00E+00	4.71E+01	4.71E+01	4.73E-02	1.07E-02	4.72E+01	NA	--
DIETHYLPHTHALATE	1.70E+00	1.00E-01	0.00E+00	1.34E+00	1.34E+00	3.09E-02	1.07E-02	1.38E+00	2.20E-01	***6.29E+00***
DIMETHYLPHTHALATE	1.70E+00	1.00E-01	0.00E+00	2.46E-01	2.46E-01	3.09E-02	1.07E-02	2.88E-01	2.20E-01	***1.31E+00***
DI-N-BUTYLPHTHALATE	1.70E+00	1.00E-01	0.00E+00	7.75E+01	7.75E+01	3.09E-02	1.07E-02	7.75E+01	2.20E-01	***3.52E+02***
DI-N-OCTYL PHTHALATE	3.00E+00	1.00E-01	0.00E+00	2.78E+06	2.78E+06	5.46E-02	1.07E-02	2.78E+06	2.20E-01	***1.26E+07***
HEXACHLOROBENZENE	2.10E+00	1.00E-01	0.00E+00	3.09E+02	3.09E+02	3.82E-02	1.07E-02	3.09E+02	5.60E-01	***5.51E+02***
HEXACHLOROBUTADIENE	3.00E+00	1.00E-01	0.00E+00	1.89E+02	1.89E+02	5.46E-02	1.07E-02	1.89E+02	NA	--
HEXACHLOROCYCLOPENTADIENE	2.10E+01	1.00E-01	0.00E+00	3.03E+02	3.03E+02	3.82E-01	1.07E-02	3.04E+02	NA	--
HEXACHLOROETHANE	2.10E+00	1.00E-01	0.00E+00	9.40E+01	9.40E+01	3.82E-02	1.07E-02	9.40E+01	NA	--
ISOPHORONE	1.70E+00	1.00E-01	0.00E+00	9.22E-01	9.22E-01	3.09E-02	1.07E-02	9.64E-01	NA	--
NITROBENZENE	1.70E+00	1.00E-01	0.00E+00	4.26E-01	4.26E-01	3.09E-02	1.07E-02	4.67E-01	NA	--
N-NITROSODIMETHYLAMINE	3.70E-01	0.00E+00	0.00E+00	7.85E-04	7.85E-04	6.73E-03	0.00E+00	7.52E-03	NA	--
N-NITROSO-DI-N-PROPYLAMINE	2.10E+00	1.00E-01	0.00E+00	2.67E-01	2.67E-01	3.82E-02	1.07E-02	3.16E-01	NA	--
N-NITROSODIPHENYLAMINE	1.70E+00	1.00E-01	0.00E+00	4.76E+00	4.76E+00	3.09E-02	1.07E-02	4.80E+00	NA	--
PENTACHLOROPHENOL	4.52E+00	5.00E-01	0.00E+00	4.30E+02	4.30E+02	8.22E-02	5.35E-02	4.30E+02	5.78E+00	***7.45E+01***
PHENOL	9.00E-01	1.00E-02	0.00E+00	1.08E-01	1.08E-01	1.64E-02	1.07E-03	1.25E-01	NA	--
PYRIDINE	9.00E-01	2.00E-02	0.00E+00	2.39E-02	2.39E-02	1.64E-02	2.14E-03	4.24E-02	NA	--
1,1,1,2-TETRACHLOROETHANE	1.80E-03	0.00E+00	0.00E+00	4.17E-03	4.17E-03	3.27E-05	0.00E+00	4.20E-03	1.72E+01	2.44E-04
1,1,1-TRICHLOROETHANE	6.00E+00	5.00E-02	0.00E+00	5.12E+00	5.12E+00	1.09E-01	5.35E-03	5.23E+00	1.72E+01	3.04E-01
1,1,2,2-TETRACHLOROETHANE	6.00E+00	5.00E-02	0.00E+00	4.16E+00	4.16E+00	1.09E-01	5.35E-03	4.27E+00	1.72E+01	2.48E-01
1,1,2-TRICHLOROETHANE	6.00E+00	5.00E-02	0.00E+00	4.83E+00	4.83E+00	1.09E-01	5.35E-03	4.95E+00	1.72E+01	2.88E-01
1,1,2-TRICHLOROTRIFLUOROETHANE	3.50E-03	0.00E+00	0.00E+00	1.04E-02	1.04E-02	6.37E-05	0.00E+00	1.04E-02	NA	--
1,1-DICHLOROETHANE	6.00E+00	5.00E-02	0.00E+00	1.34E+00	1.34E+00	1.09E-01	5.35E-03	1.46E+00	1.72E+01	8.47E-02
1,1-DICHLOROETHENE	6.00E+00	5.00E-02	0.00E+00	2.55E+00	2.55E+00	1.09E-01	5.35E-03	2.66E+00	1.72E+01	1.55E-01
1,1-DICHLOROPROPENE	1.80E-03	0.00E+00	0.00E+00	1.62E-03	1.62E-03	3.27E-05	0.00E+00	1.66E-03	1.72E+01	9.64E-05
1,2,3-TRICHLOROPROPANE	3.50E-03	0.00E+00	0.00E+00	1.48E-01	1.48E-01	6.37E-05	0.00E+00	1.48E-01	1.72E+01	8.62E-03
1,2-DIBROMO-3-CHLOROPROPANE	8.90E-03	0.00E+00	0.00E+00	5.11E-03	5.11E-03	1.62E-04	0.00E+00	5.27E-03	NA	--
1,2-DIBROMOETHANE	1.80E-03	0.00E+00	0.00E+00	5.54E-04	5.54E-04	3.27E-05	0.00E+00	5.87E-04	1.72E+01	3.41E-05
1,2-DIBROMOMETHANE	1.80E-03	0.00E+00	0.00E+00	8.07E-03	8.07E-03	3.27E-05	0.00E+00	8.10E-03	NA	--
1,2-DICHLOROETHANE	6.00E+00	5.00E-02	0.00E+00	7.48E-01	7.48E-01	1.09E-01	5.35E-03	8.62E-01	1.72E+01	5.01E-02
1,2-DICHLOROETHENE (TOTAL)	1.30E-02	5.00E-03	0.00E+00	3.32E-03	3.32E-03	2.36E-04	5.35E-04	4.09E-03	1.72E+01	2.38E-04
1,2-DICHLOROPROPANE	6.00E+00	5.00E-02	0.00E+00	1.99E+00	1.99E+00	1.09E-01	5.35E-03	2.11E+00	1.72E+01	1.23E-01
1,3,5-TRIMETHYLBENZENE	1.80E-03	0.00E+00	0.00E+00	1.38E-05	1.38E-05	3.27E-05	0.00E+00	4.65E-05	NA	--
1,3-DICHLOROPROPANE	1.80E-03	0.00E+00	0.00E+00	5.98E-04	5.98E-04	3.27E-05	0.00E+00	6.31E-04	1.72E+01	3.67E-05
2,2-DICHLOROPROPANE	1.80E-03	0.00E+00	0.00E+00	3.39E-03	3.39E-03	3.27E-05	0.00E+00	3.42E-03	1.72E+01	1.99E-04

Table 4-12
Initial Risk Estimation for Avian Wildlife Exposed to Site Waterbodies
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Sediment Max. Concentration (mg/kg)	Surfacewater/ Groundwater Concentration (mg/L)	Food Intake from Vertebrates (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Soil Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient
2-BUTANONE	6.20E+01	5.00E-01	0.00E+00	7.95E-01	7.95E-01	1.13E+00	5.35E-02	1.98E+00	NA	--
2-CHLOROETHYL VINYL ETHER	6.00E+00	5.00E-02	0.00E+00	4.17E-01	4.17E-01	1.09E-01	5.35E-03	5.31E-01	NA	--
2-CHLOROTOLUENE	1.80E-03	0.00E+00	0.00E+00	1.93E-04	1.93E-04	3.27E-05	0.00E+00	2.25E-04	NA	--
2-HEXANONE	6.20E+01	5.00E-01	0.00E+00	6.40E+00	6.40E+00	1.13E+00	5.35E-02	7.58E+00	NA	--
4-CHLOROTOLUENE	1.80E-03	0.00E+00	0.00E+00	1.93E-04	1.93E-04	3.27E-05	0.00E+00	2.25E-04	NA	--
4-METHYL-2-PENTANONE	6.20E+01	5.00E-01	0.00E+00	1.84E+00	1.84E+00	1.13E+00	5.35E-02	3.02E+00	NA	--
ACETONE	1.25E+02	1.00E+00	0.00E+00	3.74E-01	3.74E-01	2.27E+00	1.07E-01	2.75E+00	3.17E+01	8.68E-02
ACROLEIN	8.90E-02	0.00E+00	0.00E+00	6.92E-04	6.92E-04	1.62E-03	0.00E+00	2.31E-03	NA	--
ACRYLONITRILE	8.90E-03	0.00E+00	0.00E+00	1.09E-04	1.09E-04	1.62E-04	0.00E+00	2.71E-04	NA	--
BENZENE	6.00E+00	3.70E-01	0.00E+00	4.58E+02	4.58E+02	1.09E-01	3.96E-02	4.58E+02	1.34E+01	***3.41E+01***
BROMOBENZENE	1.80E-03	0.00E+00	0.00E+00	1.93E-04	1.93E-04	3.27E-05	0.00E+00	2.25E-04	NA	--
BROMOCHLOROMETHANE	1.80E-03	0.00E+00	0.00E+00	1.93E-04	1.93E-04	3.27E-05	0.00E+00	2.25E-04	NA	--
BROMODICHLOROMETHANE	6.00E+00	5.00E-02	0.00E+00	3.14E+00	3.14E+00	1.09E-01	5.35E-03	3.25E+00	NA	--
BROMOETHANE	3.50E-03	0.00E+00	0.00E+00	3.75E-04	3.75E-04	6.37E-05	0.00E+00	4.38E-04	NA	--
BROMOFORM	6.00E+00	5.00E-02	0.00E+00	4.24E+00	4.24E+00	1.09E-01	5.35E-03	4.35E+00	NA	--
BROMOMETHANE	1.20E+01	1.00E-01	0.00E+00	8.66E-01	8.66E-01	2.18E-01	1.07E-02	1.09E+00	NA	--
CARBON DISULFIDE	6.00E+00	1.20E-01	0.00E+00	1.99E+00	1.99E+00	1.09E-01	1.28E-02	2.12E+00	NA	--
CARBON TETRACHLORIDE	6.00E+00	5.00E-02	0.00E+00	6.66E+00	6.66E+00	1.09E-01	5.35E-03	6.77E+00	NA	--
CHLOROBENZENE	6.00E+00	5.00E-02	0.00E+00	9.72E+00	9.72E+00	1.09E-01	5.35E-03	9.83E+00	5.31E+01	1.85E-01
CHLOROETHANE	1.20E+01	1.00E-01	0.00E+00	1.36E+00	1.36E+00	2.18E-01	1.07E-02	1.59E+00	NA	--
CHLOROFORM	6.00E+00	5.00E-02	0.00E+00	1.88E+00	1.88E+00	1.09E-01	5.35E-03	2.00E+00	NA	--
CHLOROMETHANE	1.20E+01	1.00E-01	0.00E+00	5.50E-01	5.50E-01	2.18E-01	1.07E-02	7.79E-01	NA	--
CIS-1,2-DICHLOROETHENE	1.80E-03	0.00E+00	0.00E+00	4.59E-04	4.59E-04	3.27E-05	0.00E+00	4.92E-04	1.72E+01	2.86E-05
CIS-1,3-DICHLOROPROPENE	6.00E+00	5.00E-02	0.00E+00	1.99E+00	1.99E+00	1.09E-01	5.35E-03	2.11E+00	1.20E+01	1.76E-01
DIBROMOCHLOROMETHANE	6.00E+00	5.00E-02	0.00E+00	2.36E+00	2.36E+00	1.09E-01	5.35E-03	2.48E+00	NA	--
ETHYLBENZENE	6.00E+00	2.82E-01	0.00E+00	1.74E+01	1.74E+01	1.09E-01	3.02E-02	1.75E+01	1.34E+01	***1.31E+00***
IODOMETHANE	1.80E-03	0.00E+00	0.00E+00	1.93E-04	1.93E-04	3.27E-05	0.00E+00	2.25E-04	NA	--
METHYLENE CHLORIDE	6.00E+00	5.00E-02	0.00E+00	4.85E-01	4.85E-01	1.09E-01	5.35E-03	5.99E-01	NA	--
O-XYLENE	3.41E-03	2.62E-01	0.00E+00	6.79E-03	6.79E-03	6.20E-05	2.80E-02	3.49E-02	1.71E+01	2.04E-03
STYRENE	6.00E+00	5.00E-02	0.00E+00	1.20E+01	1.20E+01	1.09E-01	5.35E-03	1.21E+01	1.71E+01	7.05E-01
TETRACHLOROETHENE	6.00E+00	5.00E-02	0.00E+00	6.18E+00	6.18E+00	1.09E-01	5.35E-03	6.29E+00	NA	--
TOLUENE	6.00E+00	1.30E-01	0.00E+00	7.90E+00	7.90E+00	1.09E-01	1.39E-02	8.02E+00	1.34E+01	5.97E-01
TRANS-1,2-DICHLOROETHENE	6.00E+00	5.00E-02	0.00E+00	7.48E-01	7.48E-01	1.09E-01	5.35E-03	8.62E-01	1.20E+01	7.18E-02
TRANS-1,3-DICHLOROPROPENE	6.00E+00	5.00E-02	0.00E+00	1.99E+00	1.99E+00	1.09E-01	5.35E-03	2.11E+00	1.20E+01	1.76E-01
TRANS-1,4-DICHLORO-2-BUTENE	8.90E-03	0.00E+00	0.00E+00	3.86E-05	3.86E-05	1.62E-04	0.00E+00	2.00E-04	NA	--
TRICHLOROETHENE	6.00E+00	5.00E-02	0.00E+00	4.40E+00	4.40E+00	1.09E-01	5.35E-03	4.51E+00	1.72E+01	2.62E-01
TRICHLOROFLUOROMETHANE	3.50E-03	0.00E+00	0.00E+00	3.16E-03	3.16E-03	6.37E-05	0.00E+00	3.22E-03	NA	--
VINYL ACETATE	6.20E+01	5.00E-01	0.00E+00	1.15E+00	1.15E+00	1.13E+00	5.35E-02	2.33E+00	NA	--
VINYL CHLORIDE	1.20E+01	1.00E-01	0.00E+00	1.24E+00	1.24E+00	2.18E-01	1.07E-02	1.47E+00	NA	--
XYLENES (TOTAL)	6.00E+00	1.05E+00	0.00E+00	2.15E+01	2.15E+01	1.09E-01	1.12E-01	2.17E+01	1.34E+01	***1.61E+00***
1,2,4-TRIMETHYLBENZENE	1.80E-03	0.00E+00	0.00E+00	1.29E-02	1.29E-02	3.27E-05	0.00E+00	1.30E-02	1.72E+01	7.54E-04
ISOPROPYLBENZENE	1.80E-03	0.00E+00	0.00E+00	1.37E-02	1.37E-02	3.27E-05	0.00E+00	1.37E-02	1.71E+01	8.02E-04
N-BUTYLBENZENE	3.50E-03	0.00E+00	0.00E+00	5.15E-02	5.15E-02	6.37E-05	0.00E+00	5.15E-02	1.71E+01	3.01E-03
N-PROPYLBENZENE	1.80E-03	0.00E+00	0.00E+00	1.05E-02	1.05E-02	3.27E-05	0.00E+00	1.05E-02	1.71E+01	6.16E-04

Table 4-12

Initial Risk Estimation for Avian Wildlife Exposed to Site Waterbodies

Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Sediment Max. Concentration (mg/kg)	Surfacewater/ Groundwater Concentration (mg/L)	Food Intake from Vertebrates (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Soil Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient
P-ISOPROPYLTOLUENE	1.80E-03	0.00E+00	0.00E+00	3.14E-02	3.14E-02	3.27E-05	0.00E+00	3.14E-02	1.71E+01	1.84E-03
SEC-BUTYLBENZENE	1.80E-03	0.00E+00	0.00E+00	2.32E-02	2.32E-02	3.27E-05	0.00E+00	2.32E-02	1.71E+01	1.36E-03
TERT-BUTYL METHYL ETHER	2.70E-02	2.92E-02	0.00E+00	2.14E-03	2.14E-03	4.91E-04	3.12E-03	5.76E-03	NA	--
TERT-BUTYLBENZENE	1.80E-03	0.00E+00	0.00E+00	3.20E-02	3.20E-02	3.27E-05	0.00E+00	3.20E-02	1.71E+01	1.87E-03
CALCIUM	1.17E+05	1.61E+02	0.00E+00	1.25E+04	1.25E+04	2.13E+03	1.72E+01	1.47E+04	NA	--
CYANIDE	2.50E-01	0.00E+00	0.00E+00	6.40E-04	6.40E-04	4.55E-03	0.00E+00	5.19E-03	8.00E-02	6.48E-02
POTASSIUM	2.07E+03	2.40E+01	0.00E+00	2.21E+02	2.21E+02	3.77E+01	2.57E+00	2.62E+02	NA	--
SODIUM	1.68E+03	3.50E+02	0.00E+00	1.80E+02	1.80E+02	3.06E+01	3.75E+01	2.48E+02	NA	--

Notes:

kg = Kilograms.

mg/kg-bw/day = milligrams per kilogram of body weight per day.

NA indicates data not available

"--" indicates data not applicable

NOAEL = no observed adverse effect level

SEV = screening ecotoxicology value

For the screening, it has been conservatively assumed that all chemical intake is absorbed by the receptor.

Hazard quotients in bold exceed one.

Food intake from vertebrates = (daily food ingestion from site) X (fraction of diet as fish) X (water to fish transfer factor) X (water concentration).

Food intake from benthic invertebrates = (daily food ingestion from site) X (fraction of diet as terrestrial invertebrates) X (sediment to terrestrial invertebrate transfer factor) X (sediment concentration).

Total food intake = (food intake from vertebrates) + (food intake from invertebrates)

Incidental sediment intake = (daily food ingestion from site) X (fraction of diet as sediment) X (sediment concentration).

Total drinking water intake = (surface water concentration) * (water ingestion rate)

Total chemical intake = (total food intake) + (incidental soil intake) + (drinking water intake).

Table 4-13

Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
AES	SD	ug/Kg	GENX	CALCIUM	20 / 20	23761500	26798117	1.17E+08	6040000	49900000
				POTASSIUM	20 / 20	830500	352235.8	2070000	432000	1030000
				SODIUM	20 / 20	1057100	336588.3	1680000	572000	1200000
				TOTAL ORGANIC CARBON	20 / 20	6178500	2305705	11100000	2020000	7050000
			METALS	ANTIMONY	8 / 8	668.75	83.05549	760	510	714
				ARSENIC	20 / 20	3360	1713.23	9000	1800	4860
				BARIUM	20 / 20	101195	23725.12	167000	62500	111000
				BERYLLIUM	2 / 20	601	160.8497	800	120	170
				CADMIUM	12 / 20	1077.5	441.7296	2100	620	1170
				CHROMIUM	20 / 20	13290	1780.568	15600	8800	13900
				CHROMIUM (VI)	0 / 20	128.5	3.663475	130	120	130
				COBALT	20 / 20	20640	2869.146	24900	13400	21700
				COPPER	20 / 20	79675	12935.58	107000	51900	84600
				IRON	20 / 20	40335000	6012117	48700000	24900000	42400000
				LEAD	20 / 20	4270	3195.243	14200	1700	6170
				MAGNESIUM	20 / 20	14435000	3189997	25500000	10900000	16800000
				MANGANESE	20 / 20	982250	265055.3	1480000	601000	1100000
				MERCURY	20 / 20	14.395	3.146339	20	7.9	15.7
				NICKEL	20 / 20	8590	964.5834	10100	7200	9000
				SELENIUM	0 / 12	646.6667	17.23281	670	610	670
				VANADIUM	20 / 20	125285	15131.47	150000	81700	130000
				ZINC	20 / 20	77365	12405.23	102000	53800	82200
			SVOC	1,2,4-TRICHLOROBENZENE	0 / 20	424.5	12.34376	440	400	440
				1,2-DICHLOROBENZENE	0 / 20	424.5	12.34376	440	400	440
				1,3-DICHLOROBENZENE	0 / 20	424.5	12.34376	440	400	440
				1,4-DICHLOROBENZENE	0 / 20	424.5	12.34376	440	400	440
				2,4,5-TRICHLOROPHENOL	0 / 20	424.5	12.34376	440	400	440
				2,4,6-TRICHLOROPHENOL	0 / 20	424.5	12.34376	440	400	440
				2,4-DICHLOROPHENOL	0 / 20	424.5	12.34376	440	400	440
				2,4-DIMETHYLPHENOL	0 / 20	424.5	12.34376	440	400	440
				2,4-DINITROPHENOL	0 / 20	2060	68.0557	2200	1900	2200
				2,4-DINITROTOLUENE	0 / 20	424.5	12.34376	440	400	440
				2,6-DINITROTOLUENE	0 / 20	424.5	12.34376	440	400	440
				2-CHLORONAPHTHALENE	0 / 20	424.5	12.34376	440	400	440
				2-CHLOROPHENOL	0 / 20	424.5	12.34376	440	400	440
				2-METHYLNAPHTHALENE	0 / 20	424.5	12.34376	440	400	440
				2-METHYLPHENOL	0 / 20	424.5	12.34376	440	400	440
				2-NITROANILINE	0 / 20	2060	68.0557	2200	1900	2200
				2-NITROPHENOL	0 / 20	424.5	12.34376	440	400	440
				3,3'-DICHLOROBENZIDINE	0 / 20	2060	68.0557	2200	1900	2200
				3-NITROANILINE	0 / 20	2060	68.0557	2200	1900	2200
				4,6-DINITRO-2-METHYLPHENOL	0 / 20	2060	68.0557	2200	1900	2200
				4-BROMOPHENYL PHENYLETH	0 / 20	424.5	12.34376	440	400	440
				4-CHLORO-3-METHYLPHENOL	0 / 20	424.5	12.34376	440	400	440
				4-CHLOROANILINE	0 / 20	424.5	12.34376	440	400	440
				4-CHLOROPHENYL-PHENYLETH	0 / 20	424.5	12.34376	440	400	440
				4-METHYLPHENOL	0 / 20	424.5	12.34376	440	400	440
				4-NITROANILINE	0 / 20	2060	68.0557	2200	1900	2200
				4-NITROPHENOL	0 / 20	2060	68.0557	2200	1900	2200
				ACENAPHTHENE	0 / 20	424.5	12.34376	440	400	440
				ACENAPHTHYLENE	0 / 20	424.5	12.34376	440	400	440
				ANTHRACENE	0 / 20	424.5	12.34376	440	400	440
				BENZO(A)ANTHRACENE	0 / 20	424.5	12.34376	440	400	440
				BENZO(A)PYRENE	0 / 20	424.5	12.34376	440	400	440
				BENZO(B)FLUORANTHENE	0 / 20	424.5	12.34376	440	400	440
				BENZO(G,H,I)PERYLENE	0 / 20	424.5	12.34376	440	400	440
				BENZO(K)FLUORANTHENE	0 / 20	424.5	12.34376	440	400	440

Table 4-13
Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				BENZOIC ACID	0 / 20	2060	68.0557	2200	1900	2200
				BENZYL ALCOHOL	0 / 20	424.5	12.34376	440	400	440
				BIS(2-CHLOROETHOXY)METHA	0 / 20	424.5	12.34376	440	400	440
				BIS(2-CHLOROETHYL)ETHER	0 / 20	424.5	12.34376	440	400	440
				BIS(2-CHLOROISOPROPYL)ETH	0 / 20	424.5	12.34376	440	400	440
				BIS(2-ETHYLHEXYL)PHTHALATI	0 / 20	424.5	12.34376	440	400	440
				BUTYLBENZYL PHTHALATE	0 / 20	424.5	12.34376	440	400	440
				CHRYSENE	0 / 20	424.5	12.34376	440	400	440
				DIBENZ(A,H)ANTHRACENE	0 / 20	424.5	12.34376	440	400	440
				DIBENZOFURAN	0 / 20	424.5	12.34376	440	400	440
				DIETHYLPHTHALATE	0 / 20	849.5	22.82081	890	800	890
				DIMETHYLPHTHALATE	0 / 20	424.5	12.34376	440	400	440
				DI-N-BUTYLPHTHALATE	0 / 20	424.5	12.34376	440	400	440
				DI-N-OCTYL PHTHALATE	0 / 20	424.5	12.34376	440	400	440
				FLUORANTHENE	0 / 20	424.5	12.34376	440	400	440
				FLUORENE	0 / 20	424.5	12.34376	440	400	440
				HEXACHLOROBENZENE	0 / 20	424.5	12.34376	440	400	440
				HEXACHLOROBUTADIENE	0 / 20	424.5	12.34376	440	400	440
				HEXACHLOROCYCLOPENTADIE	0 / 20	2060	68.0557	2200	1900	2200
				HEXACHLOROETHANE	0 / 20	424.5	12.34376	440	400	440
				INDENO(1,2,3-CD)PYRENE	0 / 20	424.5	12.34376	440	400	440
				ISOPHORONE	0 / 20	424.5	12.34376	440	400	440
				NAPHTHALENE	0 / 20	424.5	12.34376	440	400	440
				NITROBENZENE	0 / 20	424.5	12.34376	440	400	440
				N-NITROSO-DI-N-PROPYLAMINI	0 / 20	424.5	12.34376	440	400	440
				N-NITROSODIPHENYLAMINE	0 / 20	424.5	12.34376	440	400	440
				PENTACHLOROPHENOL	0 / 20	2060	68.0557	2200	1900	2200
				PHENANTHRENE	0 / 20	424.5	12.34376	440	400	440
				PHENOL	0 / 20	424.5	12.34376	440	400	440
				PYRENE	0 / 20	424.5	12.34376	440	400	440
				PYRIDINE	0 / 20	849.5	22.82081	890	800	890
			VOA	1,1,1-TRICHLOROETHANE	14 / 20	2.682	2.570899	6.7	0.65	2.17
				1,1,2,2-TETRACHLOROETHANE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				1,1,2-TRICHLOROETHANE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				1,1-DICHLOROETHANE	1 / 20	6.17	1.181034	6.7	1.2	1.2
				1,1-DICHLOROETHENE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				1,2-DICHLOROETHANE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				1,2-DICHLOROPROPANE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				2-BUTANONE	11 / 20	16.055	9.733527	26	5.7	12.4
				2-CHLOROETHYL VINYL ETHER	0 / 20	64.4	1.667018	67	61	67
				2-HEXANONE	0 / 20	25.65	0.67082	27	24	27
				4-METHYL-2-PENTANONE	0 / 20	25.65	0.67082	27	24	27
				ACETONE	15 / 20	22.535	21.67077	110	6.5	40.8
				BENZENE	1 / 20	6.149	1.274123	6.7	0.78	0.78
				BROMODICHLOROMETHANE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				BROMOFORM	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				BROMOMETHANE	0 / 20	12.85	0.366348	13	12	13
				CARBON DISULFIDE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				CARBON TETRACHLORIDE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				CHLOROBENZENE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				CHLOROETHANE	0 / 20	12.85	0.366348	13	12	13
				CHLOROFORM	0 / 20	12.85	0.366348	13	12	13
				CHLOROMETHANE	0 / 20	12.85	0.366348	13	12	13
				CIS-1,3-DICHLOROPROPENE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				DIBROMOCHLOROMETHANE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				ETHYLBENZENE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				METHYLENE CHLORIDE	3 / 20	6.682	4.623814	13.4	1.5	2.1

Table 4-13
Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				STYRENE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				TETRACHLOROETHENE	1 / 20	6.33	0.482428	6.7	4.4	3.55
				TOLUENE	4 / 20	5.54	1.918442	6.7	1.2	3.2
				TRANS-1,2-DICHLOROETHENE	0 / 20	3.215	0.103999	3.4	3	3.4000001
				TRANS-1,3-DICHLOROPROPEN	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				TRICHLOROETHENE	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				VINYL ACETATE	0 / 20	12.85	0.366348	13	12	13
				VINYL CHLORIDE	0 / 20	12.85	0.366348	13	12	13
				XYLENES (TOTAL)	0 / 20	6.44	0.166702	6.7	6.1	6.6999998
				TERT-BUTYL METHYL ETHER	0 / 20	25.65	0.67082	27	24	27
			GENX	PH	20 / 20	8.34	0.181804	8.6	8	8.4196776
	SW	ug/L	GENX	ALKALINITY, BICARB.	1 / 1	486000	NA	486000	486000	486000
				ALKALINITY, CARB.	0 / 1	5000	NA	5000	5000	5000
				ALKALINITY, TOTAL	1 / 1	486000	NA	486000	486000	486000
				AMMONIA AS NH3	1 / 1	150	NA	150	150	150
				CALCIUM, TOTAL	1 / 1	194000	NA	194000	194000	194000
				CHLORIDE	1 / 1	1290000	NA	1290000	1290000	1290000
				NITRATE AS N	0 / 1	100	NA	100	100	100
				NITRITE AS N	0 / 1	100	NA	100	100	100
				NITROGEN-TKN	1 / 1	1100	NA	1100	1100	1100
				ORTHOPHOSPHATE AS P	1 / 1	72	NA	72	72	72
				PHOSPHORUS	1 / 1	190	NA	190	190	190
				POTASSIUM, TOTAL	1 / 1	11800	NA	11800	11800	11800
				SODIUM, TOTAL	1 / 1	517000	NA	517000	517000	517000
				SULFATE	1 / 1	313000	NA	313000	313000	313000
				SULFIDE	0 / 1	50	NA	50	50	50
				TOTAL DISSOLVED SOLIDS	1 / 1	3060000	NA	3060000	3060000	3060000
				TOTAL ORGANIC CARBON	1 / 1	15500	NA	15500	15500	15500
			SVOC	1,2,4-TRICHLOROBENZENE	0 / 1	10	NA	10	10	10
				1,2-DICHLOROBENZENE	0 / 1	10	NA	10	10	10
				1,3-DICHLOROBENZENE	0 / 1	10	NA	10	10	10
				1,4-DICHLOROBENZENE	0 / 1	10	NA	10	10	10
				2,4,5-TRICHLOROPHENOL	0 / 1	10	NA	10	10	10
				2,4,6-TRICHLOROPHENOL	0 / 1	10	NA	10	10	10
				2,4-DICHLOROPHENOL	0 / 1	10	NA	10	10	10
				2,4-DIMETHYLPHENOL	0 / 1	10	NA	10	10	10
				2,4-DINITROPHENOL	0 / 1	50	NA	50	50	50
				2,4-DINITROTOLUENE	0 / 1	10	NA	10	10	10
				2,6-DINITROTOLUENE	0 / 1	10	NA	10	10	10
				2-CHLORONAPHTHALENE	0 / 1	10	NA	10	10	10
				2-CHLOROPHENOL	0 / 1	10	NA	10	10	10
				2-METHYLNAPHTHALENE	0 / 1	10	NA	10	10	10
				2-METHYLPHENOL	0 / 1	10	NA	10	10	10
				2-NITROANILINE	0 / 1	50	NA	50	50	50
				2-NITROPHENOL	0 / 1	10	NA	10	10	10
				3,3'-DICHLOROBENZIDINE	0 / 1	50	NA	50	50	50
				3-NITROANILINE	0 / 1	50	NA	50	50	50
				4,6-DINITRO-2-METHYLPHENOL	0 / 1	50	NA	50	50	50
				4-BROMOPHENYL PHENYLETH	0 / 1	10	NA	10	10	10
				4-CHLORO-3-METHYLPHENOL	0 / 1	10	NA	10	10	10
				4-CHLOROANILINE	0 / 1	10	NA	10	10	10
				4-CHLOROPHENYL-PHENYLETH	0 / 1	10	NA	10	10	10
				4-METHYLPHENOL	0 / 1	10	NA	10	10	10
				4-NITROANILINE	0 / 1	50	NA	50	50	50
				4-NITROPHENOL	0 / 1	50	NA	50	50	50
				ACENAPHTHENE	0 / 1	10	NA	10	10	10
				ACENAPHTHYLENE	0 / 1	10	NA	10	10	10

Table 4-13
Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				ANTHRACENE	0 / 1	10	NA	10	10	10
				BENZO(A)ANTHRACENE	0 / 1	10	NA	10	10	10
				BENZO(A)PYRENE	0 / 1	10	NA	10	10	10
				BENZO(B)FLUORANTHENE	0 / 1	10	NA	10	10	10
				BENZO(G,H,I)PERYLENE	0 / 1	10	NA	10	10	10
				BENZO(K)FLUORANTHENE	0 / 1	10	NA	10	10	10
				BENZOIC ACID	0 / 1	50	NA	50	50	50
				BENZYL ALCOHOL	0 / 1	10	NA	10	10	10
				BIS(2-CHLOROETHOXY)METHA	0 / 1	10	NA	10	10	10
				BIS(2-CHLOROETHYL)ETHER	0 / 1	10	NA	10	10	10
				BIS(2-CHLOROISOPROPYL)ETH	0 / 1	10	NA	10	10	10
				BIS(2-ETHYLHEXYL)PHTHALATI	0 / 1	10	NA	10	10	10
				BUTYLBENZYL PHTHALATE	0 / 1	10	NA	10	10	10
				CHRYSENE	0 / 1	10	NA	10	10	10
				DIBENZ(A,H)ANTHRACENE	0 / 1	10	NA	10	10	10
				DIBENZOFURAN	0 / 1	10	NA	10	10	10
				DIETHYLPHTHALATE	0 / 1	10	NA	10	10	10
				DIMETHYLPHTHALATE	0 / 1	10	NA	10	10	10
				DI-N-BUTYLPHTHALATE	0 / 1	10	NA	10	10	10
				DI-N-OCTYL PHTHALATE	0 / 1	10	NA	10	10	10
				FLUORANTHENE	0 / 1	10	NA	10	10	10
				FLUORENE	0 / 1	10	NA	10	10	10
				HEXACHLOROBENZENE	0 / 1	10	NA	10	10	10
				HEXACHLOROBUTADIENE	0 / 1	10	NA	10	10	10
				HEXACHLOROCYCLOPENTADIE	0 / 1	50	NA	50	50	50
				HEXACHLOROETHANE	0 / 1	10	NA	10	10	10
				INDENO(1,2,3-CD)PYRENE	0 / 1	10	NA	10	10	10
				ISOPHORONE	0 / 1	10	NA	10	10	10
				NAPHTHALENE	0 / 1	10	NA	10	10	10
				NITROBENZENE	0 / 1	10	NA	10	10	10
				N-NITROSO-DI-N-PROPYLAMINI	0 / 1	10	NA	10	10	10
				N-NITROSODIPHENYLAMINE	0 / 1	10	NA	10	10	10
				PENTACHLOROPHENOL	0 / 1	50	NA	50	50	50
				PHENANTHRENE	0 / 1	10	NA	10	10	10
				PHENOL	0 / 1	10	NA	10	10	10
				PYRENE	0 / 1	10	NA	10	10	10
				PYRIDINE	0 / 1	20	NA	20	20	20
			TOTMET	ANTIMONY, TOTAL	0 / 1	10	NA	10	10	10
				ARSENIC, TOTAL	1 / 1	1.7	NA	1.7	1.7	1.7
				BARIUM, TOTAL	1 / 1	190	NA	190	190	190
				BERYLLIUM, TOTAL	0 / 1	5	NA	5	5	5
				CADMIUM, TOTAL	0 / 1	5	NA	5	5	5
				CHROMIUM, TOTAL	1 / 1	0.96	NA	0.96	0.96	0.96
				COBALT, TOTAL	0 / 1	10	NA	10	10	10
				COPPER, TOTAL	0 / 1	10	NA	10	10	10
				IRON, TOTAL	1 / 1	190	NA	190	190	190
				LEAD, TOTAL	0 / 1	3	NA	3	3	3
				MAGNESIUM, TOTAL	1 / 1	256000	NA	256000	256000	256000
				MANGANESE, TOTAL	1 / 1	670	NA	670	670	670
				MERCURY, TOTAL	0 / 1	0.2	NA	0.2	0.2	0.2
				NICKEL, TOTAL	1 / 1	43	NA	43	43	43
				SELENIUM, TOTAL	0 / 1	5	NA	5	5	5
				VANADIUM, TOTAL	1 / 1	3.2	NA	3.2	3.2	3.2
				ZINC, TOTAL	0 / 1	20	NA	20	20	20
			VOA	1,1,1-TRICHLOROETHANE	0 / 1	4	NA	4	4	4
				1,1,2,2-TETRACHLOROETHANE	0 / 1	4	NA	4	4	4
				1,1,2-TRICHLOROETHANE	0 / 1	4	NA	4	4	4

Table 4-13
Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				1,1-DICHLOROETHANE	0 / 1	4	NA	4	4	4
				1,1-DICHLOROETHENE	0 / 1	4	NA	4	4	4
				1,2-DICHLOROETHANE	0 / 1	4	NA	4	4	4
				1,2-DICHLOROPROPANE	0 / 1	4	NA	4	4	4
				2-BUTANONE	0 / 1	20	NA	20	20	20
				2-CHLOROETHYL VINYL ETHER	0 / 1	8	NA	8	8	8
				2-HEXANONE	0 / 1	20	NA	20	20	20
				4-METHYL-2-PENTANONE	0 / 1	20	NA	20	20	20
				ACETONE	0 / 1	40	NA	40	40	40
				BENZENE	0 / 1	4	NA	4	4	4
				BROMODICHLOROMETHANE	0 / 1	4	NA	4	4	4
				BROMOFORM	0 / 1	4	NA	4	4	4
				BROMOMETHANE	0 / 1	8	NA	8	8	8
				CARBON DISULFIDE	0 / 1	4	NA	4	4	4
				CARBON TETRACHLORIDE	0 / 1	4	NA	4	4	4
				CHLOROBENZENE	0 / 1	4	NA	4	4	4
				CHLOROETHANE	0 / 1	8	NA	8	8	8
				CHLOROFORM	0 / 1	4	NA	4	4	4
				CHLOROMETHANE	0 / 1	8	NA	8	8	8
				CIS-1,3-DICHLOROPROPENE	0 / 1	4	NA	4	4	4
				DIBROMOCHLOROMETHANE	0 / 1	4	NA	4	4	4
				ETHYLBENZENE	0 / 1	4	NA	4	4	4
				METHYLENE CHLORIDE	0 / 1	4	NA	4	4	4
				STYRENE	0 / 1	4	NA	4	4	4
				TETRACHLOROETHENE	0 / 1	4	NA	4	4	4
				TOLUENE	0 / 1	4	NA	4	4	4
				TRANS-1,2-DICHLOROETHENE	0 / 1	2	NA	2	2	2
				TRANS-1,3-DICHLOROPROPEN	0 / 1	4	NA	4	4	4
				TRICHLOROETHENE	0 / 1	4	NA	4	4	4
				VINYL ACETATE	0 / 1	8	NA	8	8	8
				VINYL CHLORIDE	0 / 1	4	NA	4	4	4
				XYLENES (TOTAL)	0 / 1	8	NA	8	8	8
				TERT-BUTYL METHYL ETHER	0 / 1	20	NA	20	20	20
BEACH	GW	ug/L	DISMET	ANTIMONY, DISSOLVED	0 / 7	5.517143	3.118983	10	3.4	10
				ARSENIC, DISSOLVED	3 / 8	4.1425	1.966184	8.7	2.9	6.97
				BARIUM, DISSOLVED	6 / 7	640.0429	365.6179	1030	1.3	861
				BERYLLIUM, DISSOLVED	0 / 7	4.308571	1.307866	5	1.36	5
				CADMIUM, DISSOLVED	1 / 8	1.88875	1.989009	5	0.5	2
				CHROMIUM (VI), DISSOLVED	0 / 5	7.6	2.19089	10	6	10
				CHROMIUM, DISSOLVED	1 / 7	2.991429	3.349704	10	1	2.5
				COBALT, DISSOLVED	2 / 7	2.074286	0.763301	3.4	1.12	3.34
				COPPER, DISSOLVED	1 / 8	5.19	4.283083	11	1.32	7.91
				IRON, DISSOLVED	6 / 7	2499.786	3342.893	9200	18.5	9200
				LEAD, DISSOLVED	2 / 8	3.1	1.273914	5.2	2.2	4.07
				MAGNESIUM, DISSOLVED	7 / 7	153057.1	336125.7	915000	19000	915000
				MANGANESE, DISSOLVED	8 / 8	1152.75	1343.357	4200	288	3220
				MERCURY, DISSOLVED	0 / 8	0.11175	0.073083	0.2	0.058	0.2
				NICKEL, DISSOLVED	1 / 8	9.05625	14.05579	40	1.2	2.4
				SELENIUM, DISSOLVED	2 / 7	8.284286	7.500937	25	4.49	8.3
				SILVER, DISSOLVED	0 / 6	0.935	0.44514	1.81	0.7	1.8099999
				VANADIUM, DISSOLVED	1 / 7	4.335714	7.011581	18	0.2	18
				ZINC, DISSOLVED	5 / 7	120.4714	75.56134	191	13.6	167
			GENX	ALKALINITY, BICARB.	9 / 9	346555.6	139856.3	491000	36000	418000
				ALKALINITY, CARB.	0 / 9	4166.667	2500	10000	2500	10000
				ALKALINITY, TOTAL	8 / 8	354250	147462.1	491000	36000	491000
				AMMONIA AS NH3	5 / 7	269.5714	466.1179	1300	12.5	1300
				CALCIUM	5 / 5	101080	35913.95	161000	68400	161000

Table 4-13

Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				CALCIUM, DISSOLVED	7 / 7	144414.3	197198.2	591000	61100	469000
				CALCIUM, TOTAL	3 / 3	1015667	1153115	2340000	234000	2340000
				CHLORIDE	9 / 9	1778267	3688374	10800000	29100	10800000
				NITRATE AS N	2 / 9	49.11111	43.89318	120	13	79.6
				NITRITE AS N	0 / 8	46.0625	44.68256	100	12.5	100
				NITROGEN, TOTAL	1 / 1	2350	NA	2350	2350	2350
				NITROGEN-TKN	5 / 7	1214.857	1446.87	3900	280	3900
				ORTHOPHOSPHATE AS P	7 / 8	153.75	117.6712	300	13	234
				PHOSPHORUS	3 / 3	1153.333	676.8555	1900	580	1900
				PHOSPHORUS, TOTAL	4 / 5	1244	1589.789	3800	70	3800
				POTASSIUM	6 / 6	8915	7491.768	23400	2890	21900
				POTASSIUM, DISSOLVED	7 / 7	22236.57	48613.06	132000	956	132000
				POTASSIUM, TOTAL	3 / 3	68866.67	66980.99	145000	19000	145000
				SODIUM	6 / 6	50626.67	8030.758	60960	41900	60960
				SODIUM, DISSOLVED	7 / 7	438900	972422.8	2640000	37600	2640000
				SODIUM, TOTAL	3 / 3	2312333	2396319	4920000	207000	4920000
				SULFATE	8 / 8	215637.5	421746.9	1200000	8300	1150000
				SULFIDE	5 / 7	649.8571	500.5698	1400	39	1040
				TOTAL DISSOLVED SOLIDS	9 / 9	3550556	6677650	20000000	389000	17500000
				TOTAL ORGANIC CARBON	5 / 7	2698.857	3480.684	10000	122	10000
				TOTAL SOLIDS (RESIDUE)	5 / 5	2781600	3950247	9800000	580000	9800000
				TOTAL SUSPENDED SOLIDS	5 / 5	2841200	3942285	9570000	32000	9570000
			SVOC	1,2,3-TRICHLOROBENZENE	0 / 1	0.5	NA	0.5	0.5	0.5
				1,2,4-TRICHLOROBENZENE	0 / 9	4.235556	4.352281	10	0.5	10
				1,2-DICHLOROBENZENE	0 / 9	4.245556	4.397107	10	0.5	10
				1,3-DICHLOROBENZENE	0 / 9	4.123333	4.454958	10	0.5	10
				1,4-DICHLOROBENZENE	0 / 9	4.127778	4.460338	10	0.47	10
				2,4,5-TRICHLOROPHENOL	0 / 8	4.51625	4.571305	10	0.47	10
				2,4,6-TRICHLOROPHENOL	0 / 8	5.6875	4.245087	10	0.59	10
				2,4-DICHLOROPHENOL	0 / 8	5.21125	4.251925	10	0.51	10
				2,4-DIMETHYLPHENOL	0 / 8	5.40125	3.950788	10	1.35	10
				2,4-DINITROPHENOL	0 / 8	19.8275	24.98677	50	1.36	50
				2,4-DINITROTOLUENE	0 / 8	4.88375	4.26964	10	1.1	10
				2,6-DINITROTOLUENE	0 / 8	5.20375	4.187178	10	0.76	10
				2-CHLORONAPHTHALENE	0 / 8	4.55	4.565456	10	0.375	10
				2-CHLOROPHENOL	0 / 8	4.71	4.479885	10	0.32	10
				2-METHYLNAPHTHALENE	0 / 8	4.5975	4.507254	10	0.65	10
				2-METHYLPHENOL	0 / 8	4.81625	4.367539	10	0.55	10
				2-NITROANILINE	0 / 8	19.46825	25.28324	50	0.908	50
				2-NITROPHENOL	0 / 8	4.62375	4.502517	10	0.45	10
				3,3'-DICHLOROBENZIDINE	0 / 8	20.86625	24.13404	50	2.57	50
				3-NITROANILINE	0 / 8	20.3725	24.55529	50	1.3	50
				4,6-DINITRO-2-METHYLPHENOL	0 / 8	20.50875	24.47739	50	1	50
				4-BROMOPHENYL PHENYLETH	0 / 8	4.82675	4.400836	10	0.442	10
				4-CHLORO-3-METHYLPHENOL	0 / 8	4.7175	4.411701	10	0.73	10
				4-CHLOROANILINE	0 / 8	5.88125	3.495713	10	2.3	10
				4-CHLOROPHENYL-PHENYLETH	0 / 8	4.55175	4.557952	10	0.352	10
				4-METHYLPHENOL	0 / 8	4.80875	4.355428	10	0.68	10
				4-NITROANILINE	0 / 8	20.24375	24.64655	50	1.6	50
				4-NITROPHENOL	0 / 8	20.0775	24.78562	50	1.42	50
				7,12-DIMETHYLBENZ(A)ANTHRA	0 / 5	3.52	2.355207	6.1	1.8	6.0999999
				ACENAPHTHENE	0 / 8	5.02	4.133598	10	1.36	10
				ACENAPHTHYLENE	0 / 8	4.59375	4.534033	10	0.4	10
				ANTHRACENE	0 / 8	4.5075	4.590586	10	0.36	10
				BENZO(A)ANTHRACENE	0 / 8	4.54	4.549951	10	0.56	10
				BENZO(A)PYRENE	0 / 8	4.46625	4.605428	10	0.5	10
				BENZO(B)FLUORANTHENE	0 / 8	4.56375	4.532338	10	0.55	10

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Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				BENZO(G,H,I)PERYLENE	0 / 8	4.5675	4.54178	10	0.52	10
				BENZO(K)FLUORANTHENE	0 / 8	4.71375	4.447802	10	0.44	10
				BENZOIC ACID	0 / 8	20.3125	24.58359	50	2.5	50
				BENZYL ALCOHOL	0 / 8	4.8125	4.295658	10	1.7	10
				BIS(2-CHLOROETHOXY)METHA	0 / 8	4.67075	4.488564	10	0.343	10
				BIS(2-CHLOROETHYL)ETHER	0 / 8	4.7825	4.388168	10	0.55	10
				BIS(2-CHLOROISOPROPYL)ETH	0 / 8	4.68375	4.480127	10	0.4	10
				BIS(2-ETHYLHEXYL)PHTHALATI	1 / 8	20.2375	17.79181	58.4	6.5	6.5
				BUTYLBENZYL PHTHALATE	0 / 8	4.6615	4.433832	10	0.976	10
				CHRYSENE	0 / 8	4.885	4.238002	10	1.48	10
				DIBENZ(A,H)ANTHRACENE	0 / 8	4.55	4.541476	10	0.55	10
				DIBENZOFURAN	0 / 8	4.37825	4.677825	10	0.343	10
				DIETHYLPHTHALATE	0 / 8	4.764	4.370991	10	0.851	10
				DIMETHYLPHTHALATE	0 / 8	4.62	4.506893	10	0.43	10
				DI-N-BUTYLPHTHALATE	2 / 8	5.5675	4.07864	10	1.5	5.09
				DI-N-OCTYL PHTHALATE	0 / 8	4.865	4.260594	10	1.4	10
				FLUORANTHENE	0 / 8	4.7075	4.418813	10	0.81	10
				FLUORENE	0 / 8	4.62875	4.501417	10	0.47	10
				HEXACHLOROBENZENE	0 / 8	4.7825	4.321262	10	1.46	10
				HEXACHLOROBUTADIENE	0 / 9	4.33	4.296504	10	0.5	10
				HEXACHLOROCYCLOPENTADIE	0 / 8	19.0625	25.61868	50	0.5	50
				HEXACHLOROETHANE	0 / 8	4.6275	4.450977	10	1.22	10
				INDENO(1,2,3-CD)PYRENE	0 / 8	4.75375	4.34432	10	1.6	10
				ISOPHORONE	0 / 8	4.8375	4.357344	10	0.58	10
				NAPHTHALENE	0 / 9	4.224444	4.384775	10	0.5	10
				NITROBENZENE	0 / 8	4.735	4.425646	10	0.59	10
				N-NITROSO-DI-N-PROPYLAMINI	0 / 8	4.77	4.367019	10	0.82	10
				N-NITROSODIPHENYLAMINE	0 / 8	5	4.148552	10	1.7	10
				PENTACHLOROPHENOL	0 / 8	19.695	25.09947	50	0.89	50
				PHENANTHRENE	0 / 8	4.92875	4.203813	10	1.43	10
				PHENOL	0 / 8	4.7475	4.425016	10	0.55	10
				PYRENE	0 / 8	4.6625	4.447862	10	0.74	10
				PYRIDINE	0 / 8	9.89625	8.369765	20	3.7	20
			TOTMET	ANTIMONY, TOTAL	1 / 8	14.6975	21.4773	67.5	5.02	61.5
				ARSENIC, TOTAL	4 / 9	16.78444	25.15846	81	3.5	69.4
				BARIUM, TOTAL	7 / 8	784.7875	742.7812	2300	1.3	1730
				BERYLLIUM, TOTAL	1 / 8	2.55	1.698234	5	1.36	2.64
				CADMIUM, TOTAL	5 / 9	8.27	12.1448	34	1	33.6
				CHROMIUM (VI), TOTAL	0 / 8	11.5	7.690439	30	6	29.999998
				CHROMIUM, TOTAL	7 / 8	63.3175	100.6832	300	4.44	286
				COBALT, TOTAL	5 / 8	70.645	100.6363	270	1.12	250
				COPPER, TOTAL	9 / 9	416.6889	626.0528	1900	30.4	1720
				IRON, TOTAL	10 / 10	171904	306442.1	985000	1970	854000
				LEAD, TOTAL	6 / 9	8.824444	5.47019	19.4	2.66	12.6
				MAGNESIUM, TOTAL	9 / 9	206351.1	354251.9	1100000	23300	944000
				MANGANESE, TOTAL	9 / 9	4461.556	4945.885	13700	527	13100
				MERCURY, TOTAL	3 / 9	0.14	0.246584	0.78	0.017	0.639
				NICKEL, TOTAL	4 / 9	28.76667	40.0896	120	5.25	112
				SELENIUM, TOTAL	4 / 8	6.60125	6.499021	22.2	0.95	16.3
				SILVER, TOTAL	0 / 6	2.008333	0.485815	3	1.81	3
				VANADIUM, TOTAL	8 / 8	639.2875	957.3959	2800	56.9	2750
				ZINC, TOTAL	8 / 8	291.3375	352.1784	1000	41.7	1000
			VOA	1,1,1,2-TETRACHLOROETHANE	0 / 1	0.5	NA	0.5	0.5	0.5
				1,1,1-TRICHLOROETHANE	0 / 9	0.837778	0.363104	1.1	0.04	1.1
				1,1,2,2-TETRACHLOROETHANE	0 / 9	0.695556	0.31413	1	0.06	1
				1,1,2-TRICHLOROETHANE	0 / 9	0.677778	0.311198	1	0.04	1
				1,1-DICHLOROETHANE	0 / 9	0.686667	0.31496	1	0.04	1

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Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				1,1-DICHLOROETHENE	0 / 9	0.978889	0.496297	1.5	0.04	1.5
				1,1-DICHLOROPROPENE	0 / 1	0.5	NA	0.5	0.5	0.5
				1,2,3-TRICHLOROPROPANE	0 / 1	0.5	NA	0.5	0.5	0.5
				1,2-DIBROMO-3-CHLOROPROP/	0 / 1	0.5	NA	0.5	0.5	0.5
				1,2-DIBROMOETHANE	0 / 1	0.5	NA	0.5	0.5	0.5
				1,2-DIBROMOMETHANE	0 / 1	0.5	NA	0.5	0.5	0.5
				1,2-DICHLOROETHANE	0 / 9	0.56	0.363868	1	0.04	1
				1,2-DICHLOROPROPANE	0 / 9	0.758889	0.295907	1	0.09	1
				1,3,5-TRIMETHYLBENZENE	0 / 1	0.5	NA	0.5	0.5	0.5
				1,3-DICHLOROPROPANE	0 / 1	0.5	NA	0.5	0.5	0.5
				2,2-DICHLOROPROPANE	0 / 1	0.5	NA	0.5	0.5	0.5
				2-BUTANONE	0 / 8	3.17875	2.50865	6.83	0.9	6.8299999
				2-CHLOROETHYL VINYL ETHER	0 / 8	2.515	0.519973	3	2	3
				2-CHLOROTOLUENE	0 / 1	0.5	NA	0.5	0.5	0.5
				2-HEXANONE	0 / 8	2.8375	2.285318	5	0.7	5
				4-CHLOROTOLUENE	0 / 1	0.5	NA	0.5	0.5	0.5
				4-METHYL-2-PENTANONE	0 / 8	2.6475	1.961572	5	1.1	5
				ACETONE	2 / 8	7.2625	9.21535	28.2	1.7	26.2
				BENZENE	1 / 9	2.27	4.222239	13.5	0.07	11
				BROMOBENZENE	0 / 1	0.5	NA	0.5	0.5	0.5
				BROMOCHLOROMETHANE	0 / 1	0.5	NA	0.5	0.5	0.5
				BROMODICHLOROMETHANE	0 / 9	0.687778	0.313838	1	0.02	1
				BROMOFORM	0 / 9	0.724444	0.20947	1	0.5	1
				BROMOMETHANE	0 / 9	1.288889	0.681551	2	0.04	2
				CARBON DISULFIDE	2 / 8	0.91375	0.487646	1.3	0.2	0.2
				CARBON TETRACHLORIDE	0 / 9	0.81	0.380197	1.1	0.07	1.1
				CHLOROBENZENE	0 / 9	0.774556	0.360197	1	0.04	1
				CHLOROETHANE	0 / 9	1.604444	1.035641	3.69	0.05	3.6900001
				CHLOROFORM	0 / 9	0.766667	0.321559	1	0.04	1
				CHLOROMETHANE	0 / 9	1.274444	0.679027	2	0.08	2
				CIS-1,2-DICHLOROETHENE	0 / 1	0.5	NA	0.5	0.5	0.5
				CIS-1,3-DICHLOROPROPENE	0 / 9	0.794444	0.343406	1	0.04	1
				DIBROMOCHLOROMETHANE	0 / 9	0.723333	0.310161	1	0.04	1
				DICHLORODIFLUOROMETHANE	0 / 1	0.5	NA	0.5	0.5	0.5
				ETHYLBENZENE	0 / 9	0.941111	0.460066	1.4	0.04	1.4
				METHYLENE CHLORIDE	1 / 9	5.19	9.440294	28.2	0.16	23.3
				O-XYLENE	1 / 6	1.346667	0.827204	3	0.68	2.74
				STYRENE	0 / 9	0.716111	0.372792	1	0.03	1
				TETRACHLOROETHENE	0 / 9	1.09	0.678565	1.9	0.07	1.9
				TOLUENE	1 / 9	1.165556	1.117733	4	0.02	3.32
				TRANS-1,2-DICHLOROETHENE	0 / 9	0.777778	0.500069	1.4	0.05	1.4
				TRANS-1,3-DICHLOROPROPEN	0 / 9	0.95	0.458367	1.4	0.03	1.4
				TRICHLOROETHENE	0 / 9	0.88	0.38662	1.2	0.05	1.2
				TRICHLOROFLUOROMETHANE	0 / 1	0.5	NA	0.5	0.5	0.5
				VINYL ACETATE	0 / 8	1.84	0.59637	3.12	1.4	3.1199999
				VINYL CHLORIDE	0 / 9	1.036667	0.585107	1.7	0.03	1.7
				XYLENES (TOTAL)	2 / 9	1.78	0.545527	2.2	0.92	1.12
			VTIC	1,2,4-TRIMETHYLBENZENE	0 / 1	0.5	NA	0.5	0.5	0.5
				ISOPROPYLBENZENE	0 / 1	0.5	NA	0.5	0.5	0.5
				METHANE	3 / 4	22	16.43168	43	5	41.3
				N-BUTYLBENZENE	0 / 1	0.5	NA	0.5	0.5	0.5
				N-PROPYLBENZENE	0 / 1	0.5	NA	0.5	0.5	0.5
				P-ISOPROPYLTOLUENE	0 / 1	0.5	NA	0.5	0.5	0.5
				SEC-BUTYLBENZENE	0 / 1	0.5	NA	0.5	0.5	0.5
				TERT-BUTYL METHYL ETHER	3 / 8	4.275	4.632109	14.6	0.7	12.2
				TERT-BUTYLBENZENE	0 / 1	0.5	NA	0.5	0.5	0.5
			GENX	PH	5 / 5	7.4	0.264575	7.7	7	7.6999998

Table 4-13

Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				SALINITY	3 / 2	0.335	0.021213	0.35	0.32	0.35
CHANNEL	SD	ug/Kg	GENX	ACID VOLATILE SULFIDE	4 / 4	49025	60291.09	130000	2700	130000
				CALCIUM	37 / 37	15499189	16939468	75000000	1610000	22600000
				CYANIDE	0 / 13	250	0	250	250	250
				POTASSIUM	16 / 37	427971.1	345352.7	1570000	2490	467000
				SODIUM	18 / 37	209680.3	208947.2	600000	2040	264000
				TOTAL ORGANIC CARBON	15 / 15	18300000	15473203	71700000	4600000	35700000
			METALS	ANTIMONY	5 / 42	9485.762	20875.44	100000	106	9000
				ARSENIC	48 / 57	2534.667	1716.495	7160	395	2820
				BARIUM	54 / 57	71935.09	53591.31	250000	1600	85500
				BERYLLIUM	6 / 46	542.6283	980.9587	5000	52.3	690
				CADMIUM	20 / 57	1017.912	1038.845	5000	175	872
				CHROMIUM	54 / 57	148961.5	375042	1870000	105	312000
				CHROMIUM (VI)	9 / 25	3849.72	9614.123	32400	50	8940
				COBALT	27 / 31	7422.742	3124.425	12400	105	8290
				COPPER	43 / 46	44489.13	29947.51	140000	1600	53400
				IRON	43 / 43	21591163	13559037	65200000	3570000	26100000
				LEAD	57 / 57	11765.71	20428.86	96100	25.47	18800
				MAGNESIUM	37 / 37	5282432	1718432	8490000	1450000	5710000
				MANGANESE	43 / 43	496186	371082.8	2050000	74000	616000
				MERCURY	20 / 57	125.8483	161.2848	750	3.11	161
				NICKEL	41 / 46	33208.7	36546.17	199000	5100	44800
				SELENIUM	17 / 57	1242.667	1852.433	10000	141	1720
				SILVER	0 / 30	923.54	1205.696	4420	21.9	4420
				TIN	0 / 3	106066.7	23401.14	122000	79200	122000
				VANADIUM	44 / 46	107960.9	69018.25	393000	1600	130000
				ZINC	44 / 46	91667.39	78683.51	421000	3200	118000
			PCB	AROCLOR-1016	0 / 19	16.69	11.66494	48	6.86	48
				AROCLOR-1221	0 / 18	14.84139	5.845405	22.29	8.325	22.290001
				AROCLOR-1232	0 / 18	12.35972	5.256314	22	7.4	22
				AROCLOR-1242	0 / 20	15.96225	11.33632	48	8.325	48
				AROCLOR-1248	3 / 20	29.31225	45.82142	200	8.325	88.4
				AROCLOR-1254	0 / 20	17.84625	11.04673	48	8.325	48
				AROCLOR-1260	1 / 19	16.72211	10.94601	48	10.02	13.2
			SVOC	1,2,3-TRICHLOROBENZENE	0 / 2	8.05	1.202081	8.9	7.2	8.8999996
				1,2,4-TRICHLOROBENZENE	0 / 55	294.6	324.0848	2100	7.2	2100
				1,2-DICHLOROBENZENE	0 / 56	282.1071	299.8771	1700	1.4	1700
				1,2-DIPHENYLHYDRAZINE	0 / 4	242.5	92.87088	370	160	370
				1,3-DICHLOROBENZENE	0 / 56	282.1071	299.8771	1700	1.4	1700
				1,4-DICHLOROBENZENE	0 / 55	270.8309	292.0874	1700	1.4	1700
				2,4,5-TRICHLOROPHENOL	0 / 47	542.6149	981.3765	4200	48.3	4200
				2,4,6-TRICHLOROPHENOL	1 / 47	301.1979	243.9205	900	39.7	197
				2,4-DICHLOROPHENOL	0 / 47	291.5809	236.6113	900	51.7	900
				2,4-DIMETHYLPHENOL	0 / 47	324.5553	208.0994	900	88.3	900
				2,4-DINITROPHENOL	0 / 47	1294.838	1288.643	4520	59.4	4520
				2,4-DINITROTOLUENE	0 / 53	346.0943	426.4509	3000	59.8	3000
				2,6-DINITROTOLUENE	0 / 54	354.0722	429.4972	3000	53.3	3000
				2-CHLORONAPHTHALENE	0 / 54	292.4185	300.4599	1700	68.2	1700
				2-CHLOROPHENOL	0 / 46	270.8674	225.5671	900	71.7	900
				2-METHYLNAPHTHALENE	0 / 50	317.508	345.0894	2100	80.6	2100
				2-METHYLPHENOL	0 / 47	286.1702	238.6496	900	53.2	900
				2-NITROANILINE	0 / 50	1254.494	1311.564	4520	37.7	4520
				2-NITROPHENOL	0 / 47	300.5021	238.8647	900	73.6	900
				3,3'-DICHLOROBENZIDINE	0 / 54	737.8722	1501.193	11000	52.9	11000
				3-NITROANILINE	0 / 50	1339.296	1454.972	6400	78.1	6400
				4,6-DINITRO-2-METHYLPHENOL	0 / 47	1293.172	1290.27	4520	58.9	4520
				4-BROMOPHENYL PHENYLETH	0 / 54	335.663	433.9925	3000	70.2	3000

Table 4-13
Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater
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Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				4-CHLORO-3-METHYLPHENOL	0 / 46	276.1848	222.2595	900	51.5	900
				4-CHLOROANILINE	0 / 50	431.252	894.957	6400	73.2	6400
				4-CHLOROPHENYL-PHENYLETH	0 / 54	309.1926	335.1142	2100	48	2100
				4-METHYLPHENOL	0 / 47	280.4404	242.4572	900	57.7	900
				4-NITROANILINE	0 / 50	1264.128	1302.683	4520	93	4520
				4-NITROPHENOL	0 / 46	1220.62	1226.524	4520	74.3	4520
				7,12-DIMETHYLBENZ(A)ANTHRA	0 / 19	67.4921	12.36509	83.25	58.3	83.25
				9H-CARBAZOLE	0 / 6	525.3333	352.9304	870	93	870
				ACENAPHTHENE	0 / 53	281.3113	292.5715	1700	48.5	1700
				ACENAPHTHYLENE	0 / 54	292.413	300.4806	1700	58.5	1700
				ANTHRACENE	0 / 54	291.0537	301.5362	1700	46.3	1700
				BENZIDINE	0 / 4	4925	1855.398	7500	3300	7500
				BENZO(A)ANTHRACENE	0 / 54	305.7889	337.5035	2100	47	2100
				BENZO(A)PYRENE	4 / 54	309.9407	418.0483	3000	50.6	261
				BENZO(B)FLUORANTHENE	4 / 54	295.9463	311.3755	2100	83.1	223
				BENZO(G,H,I)PERYLENE	6 / 54	552.9741	1406.728	10000	77.7	1600
				BENZO(K)FLUORANTHENE	0 / 54	311.8204	333.4054	2100	75.3	2100
				BENZOIC ACID	1 / 46	1516.043	2695.824	18000	116	847
				BENZYL ALCOHOL	0 / 46	501.2152	556.9849	3000	60.1	3000
				BIS(2-CHLOROETHOXY)METHA	0 / 54	292.9444	300.0765	1700	62.2	1700
				BIS(2-CHLOROETHYL)ETHER	0 / 54	300.7222	295.5003	1700	72.9	1700
				BIS(2-CHLOROISOPROPYL)ETH	0 / 54	296.0463	298.365	1700	67.6	1700
				BIS(2-ETHYLHEXYL)PHTHALATI	0 / 54	311.8574	291.684	2100	93	2100
				BUTYLBENZYL PHTHALATE	0 / 54	310.2889	334.2679	2100	70.4	2100
				CHRYSENE	4 / 54	281.2463	316.8923	2100	57.1	216
				DIBENZ(A,H)ANTHRACENE	2 / 54	346.8963	478.4267	3400	59.3	294
				DIBENZOFURAN	0 / 50	324.914	403.1354	2600	49.1	2600
				DIETHYLPHTHALATE	0 / 54	299.8963	295.1082	1700	57.2	1700
				DIMETHYLPHTHALATE	0 / 54	294.5611	298.9546	1700	48.1	1700
				DI-N-BUTYLPHTHALATE	1 / 54	299.0907	296.2861	1700	81.2	198
				DI-N-OCTYL PHTHALATE	0 / 54	340.1481	431.2955	3000	54.4	3000
				FLUORANTHENE	0 / 54	296.0056	297.8058	1700	70.9	1700
				FLUORENE	0 / 54	295.5241	298.2919	1700	44.1	1700
				HEXACHLOROBENZENE	0 / 54	307.7333	336.0692	2100	72.4	2100
				HEXACHLOROBUTADIENE	0 / 56	331.3321	426.5996	3000	7.2	3000
				HEXACHLOROCYCLOPENTADIE	0 / 54	929.8593	2879.753	21000	52.8	21000
				HEXACHLOROETHANE	0 / 54	309.4296	335.6846	2100	66.8	2100
				INDENO(1,2,3-CD)PYRENE	3 / 54	348.0981	487.5567	3400	56.6	345
				ISOPHORONE	0 / 54	296.2519	297.6386	1700	66.8	1700
				NAPHTHALENE	0 / 56	288.9393	295.6401	1700	7.2	1700
				NITROBENZENE	0 / 54	296.5167	297.4968	1700	77.7	1700
				N-NITROSODIMETHYLAMINE	0 / 4	242.5	92.87088	370	160	370
				N-NITROSO-DI-N-PROPYLAMINI	0 / 53	300.2189	328.7173	2100	63.2	2100
				N-NITROSODIPHENYLAMINE	0 / 54	288.5056	303.4305	1700	59.7	1700
				PENTACHLOROPHENOL	0 / 46	1213.82	1232.955	4520	70.3	4520
				PHENANTHRENE	2 / 54	264.1426	283.6427	1700	48.1	187
				PHENOL	0 / 46	273.4217	224.7378	900	51.8	900
				PYRENE	3 / 53	258.6245	274.3679	1700	60.9	120
				PYRIDINE	1 / 40	239.3713	209.4238	900	47.2	52.9
			VOA	1,1,1,2-TETRACHLOROETHANE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				1,1,1-TRICHLOROETHANE	0 / 55	224.4942	1132.309	6000	0.21	6000
				1,1,2,2-TETRACHLOROETHANE	0 / 55	224.551	1132.297	6000	0.35	6000
				1,1,2-TRICHLOROETHANE	0 / 55	224.5577	1132.296	6000	0.3	6000
				1,1,2-TRICHLOROTRIFLUOROE	0 / 2	3.2	0.424264	3.5	2.9	3.5
				1,1-DICHLOROETHANE	0 / 55	224.508	1132.306	6000	0.23	6000
				1,1-DICHLOROETHENE	0 / 54	228.4633	1142.554	6000	0.39	6000
				1,1-DICHLOROPROPENE	0 / 2	1.6	0.282843	1.8	1.4	1.8

Table 4-13
Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater
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Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				1,2,3-TRICHLOROPROPANE	0 / 2	3.2	0.424264	3.5	2.9	3.5
				1,2-DIBROMO-3-CHLOROPROP/	0 / 2	8.05	1.202081	8.9	7.2	8.8999996
				1,2-DIBROMOETHANE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				1,2-DIBROMOMETHANE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				1,2-DICHLOROETHANE	2 / 55	224.6144	1132.285	6000	0.31	4.2
				1,2-DICHLOROETHENE (TOTAL)	0 / 4	11.225	2.266238	13	7.9	13
				1,2-DICHLOROPROPANE	0 / 55	224.5667	1132.294	6000	0.28	6000
				1,3,5-TRIMETHYLBENZENE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				1,3-DICHLOROPROPANE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				2,2-DICHLOROPROPANE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				2-BUTANONE	14 / 55	2293.412	11705.47	62000	1.07	47
				2-CHLOROETHYL VINYL ETHER	0 / 51	241.8402	1174.933	6000	1.25	6000
				2-CHLOROTOLUENE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				2-HEXANONE	0 / 55	2291.095	11705.92	62000	0.716	62000
				4-CHLOROTOLUENE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				4-METHYL-2-PENTANONE	0 / 55	2291.161	11705.91	62000	0.85	62000
				ACETONE	30 / 55	4656.391	23593.42	125000	2.76	480
				ACROLEIN	0 / 2	80.5	12.02082	89	72	89
				ACRYLONITRILE	0 / 2	8.05	1.202081	8.9	7.2	8.8999996
				BENZENE	6 / 54	260.8501	1151.355	6000	0.3	589
				BROMOBENZENE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				BROMOCHLOROMETHANE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				BROMODICHLOROMETHANE	1 / 55	224.6918	1132.271	6000	0.25	6000
				BROMOETHANE	0 / 2	3.2	0.424264	3.5	2.9	3.5
				BROMOFORM	0 / 55	224.4701	1132.314	6000	0.1	6000
				BROMOMETHANE	0 / 55	447.5661	2264.869	12000	0.24	12000
				CARBON DISULFIDE	14 / 55	226.0363	1132.02	6000	0.38	39
				CARBON TETRACHLORIDE	0 / 55	224.5052	1132.306	6000	0.19	6000
				CHLOROBENZENE	0 / 54	228.4015	1142.567	6000	0.17	6000
				CHLOROETHANE	0 / 55	447.6911	2264.844	12000	0.63	12000
				CHLOROFORM	0 / 55	224.5208	1132.303	6000	0.18	6000
				CHLOROMETHANE	0 / 55	447.6313	2264.856	12000	0.43	12000
				CIS-1,2-DICHLOROETHENE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				CIS-1,3-DICHLOROPROPENE	0 / 55	224.5288	1132.302	6000	0.24	6000
				DIBROMOCHLOROMETHANE	0 / 55	224.4976	1132.308	6000	0.27	6000
				ETHYLBENZENE	0 / 55	224.506	1132.306	6000	0.25	6000
				IODOMETHANE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				METHYLENE CHLORIDE	4 / 55	228.6691	1131.521	6000	0.44	25
				O-XYLENE	1 / 21	0.615905	0.390343	1.8	0.24	0.486
				STYRENE	0 / 55	224.5053	1132.306	6000	0.33	6000
				TETRACHLOROETHENE	0 / 55	224.5638	1132.295	6000	0.21	6000
				TOLUENE	2 / 54	228.9904	1142.453	6000	0.22	28
				TRANS-1,2-DICHLOROETHENE	0 / 51	241.2641	1175.052	6000	0.33	6000
				TRANS-1,3-DICHLOROPROPEN	0 / 55	224.5103	1132.305	6000	0.27	6000
				TRANS-1,4-DICHLORO-2-BUTEN	0 / 2	8.05	1.202081	8.9	7.2	8.8999996
				TRICHLOROETHENE	0 / 54	228.4482	1142.557	6000	0.24	6000
				TRICHLOROFLUOROMETHANE	0 / 2	3.2	0.424264	3.5	2.9	3.5
				VINYL ACETATE	0 / 55	2289.723	11706.19	62000	0.78	62000
				VINYL CHLORIDE	0 / 55	447.5715	2264.868	12000	0.31	12000
				XYLENES (TOTAL)	3 / 55	225.1272	1132.185	6000	0.44	21
			VTIC	1,2,4-TRIMETHYLBENZENE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				ISOPROPYLBENZENE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				N-BUTYLBENZENE	0 / 2	3.2	0.424264	3.5	2.9	3.5
				N-PROPYLBENZENE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				P-ISOPROPYLTOLUENE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				SEC-BUTYLBENZENE	0 / 2	1.6	0.282843	1.8	1.4	1.8
				TERT-BUTYL METHYL ETHER	2 / 28	3.022857	4.891629	25.8	0.59	7.63

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Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				TERT-BUTYLBENZENE	0 / 2	1.6	0.282843	1.8	1.4	1.8
			GENX	PH	16 / 16	7.4375	0.25	8	7.1	8
	SW	ug/L	DISMET	ANTIMONY, DISSOLVED	0 / 41	45.99659	37.67333	100	3.4	100
				ARSENIC, DISSOLVED	3 / 41	5.190244	3.084705	18.9	3.1	18.9
				BARIUM, DISSOLVED	38 / 44	244.1114	204.0052	730	0.2	296
				BERYLLIUM, DISSOLVED	0 / 41	4.353171	1.221422	5	1.36	5
				CADMIUM, DISSOLVED	0 / 41	3.398293	2.140165	5	0.5	5
				CHROMIUM (VI), DISSOLVED	0 / 31	8.83871	1.845658	10	6	10
				CHROMIUM, DISSOLVED	1 / 41	6.959024	4.140024	10	1	4.18
				COBALT, DISSOLVED	1 / 29	11.58828	12.88617	30	1.1	1.1
				COPPER, DISSOLVED	0 / 41	7.11122	3.857979	10	1.32	10
				IRON, DISSOLVED	16 / 25	876.66	1963.069	9000	18.5	3140
				LEAD, DISSOLVED	3 / 41	2.68	1.480527	10	2	1.78
				MAGNESIUM, DISSOLVED	25 / 25	28912	13526.28	58000	14400	33800
				MANGANESE, DISSOLVED	36 / 37	424.6027	488.142	2560	0.3	631
				MERCURY, DISSOLVED	1 / 38	0.163947	0.073783	0.38	0.058	0.112
				NICKEL, DISSOLVED	20 / 41	124.7207	227.9407	1100	1.2	232
				SELENIUM, DISSOLVED	6 / 41	7.768049	10.69539	58.7	4.49	13.4
				SILVER, DISSOLVED	0 / 19	2.833158	3.823897	10	0.7	10
				THALLIUM, DISSOLVED	0 / 4	2000	0	2000	2000	2000
				VANADIUM, DISSOLVED	21 / 41	133.7768	207.9229	800	0.2	204
				ZINC, DISSOLVED	29 / 41	85.62683	72.07972	310	10	110
			GENX	ALKALINITY, BICARB.	37 / 37	254016.2	206049.9	939000	27000	326000
				ALKALINITY, CARB.	0 / 37	2689.189	1565.032	5000	1000	5000
				ALKALINITY, TOTAL	25 / 25	206784	107458	452000	38400	1680
				AMMONIA AS NH3	16 / 25	660.84	1170.974	5300	12.5	5300
				AMMONIA AS NH3, TOTAL	12 / 12	906.6667	1101.39	4060	120	2210
				AVS DISTILLATION	0 / 4	100	0	100	100	100
				CALCIUM	35 / 35	89740	44243.35	161000	36100	99000
				CALCIUM, DISSOLVED	25 / 25	63896	28707.67	124000	34600	75100
				CALCIUM, TOTAL	10 / 10	82710	29697.79	121000	38000	98900
				CHLORIDE	37 / 37	199924.3	144583.3	510000	41200	240000
				NITRATE AS N	14 / 37	874.4189	1779.081	7400	12.5	1720
				NITRITE AS N	13 / 37	56.37838	62.02524	240	10	75.6
				NITROGEN-TKN	31 / 37	2382.432	2129.025	10100	420	3060
				ORTHOPHOSPHATE AS P	33 / 37	539.527	503.8835	1800	10	748
				PHOSPHORUS	19 / 19	1479.474	467.8138	2280	300	1650
				PHOSPHORUS, TOTAL	16 / 18	336.5556	270.8929	910	58	495
				POTASSIUM	28 / 35	7904.546	5816.578	24000	88.1	10200
				POTASSIUM, DISSOLVED	16 / 25	4753.024	3108.701	11100	69.5	5480
				POTASSIUM, TOTAL	3 / 10	5480	1879.598	9700	2600	7340
				SODIUM	34 / 34	147644.1	104212.9	350000	22000	163000
				SODIUM, DISSOLVED	25 / 25	123648	110351.8	432000	35900	172000
				SODIUM, TOTAL	10 / 10	205790	112206.2	414000	43600	291000
				SULFATE	33 / 37	191454.1	202472.9	600000	2000	250000
				SULFIDE	19 / 34	1124.559	2412.388	9500	5	2270
				SULFIDE, TOTAL	0 / 3	50	0	50	50	50
				TOTAL DISSOLVED SOLIDS	37 / 37	850540.5	494683.3	1890000	230000	993000
				TOTAL ORGANIC CARBON	37 / 37	12786.22	15270.22	80700	1900	23500
				TOTAL SOLIDS (RESIDUE)	15 / 15	455200	243447.6	1140000	140000	603000
				TOTAL SUSPENDED SOLIDS	13 / 15	97666.67	214442.4	843000	1000	509000
			PCB	AROCLOR-1016	0 / 8	0.375	0.133631	0.5	0.25	0.5
				AROCLOR-1221	0 / 8	0.375	0.133631	0.5	0.25	0.5
				AROCLOR-1232	0 / 8	0.375	0.133631	0.5	0.25	0.5
				AROCLOR-1242	0 / 8	0.375	0.133631	0.5	0.25	0.5
				AROCLOR-1248	0 / 8	0.375	0.133631	0.5	0.25	0.5
				AROCLOR-1254	0 / 8	0.375	0.133631	0.5	0.25	0.5

Table 4-13

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Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				AROCLOR-1260	0 / 8	0.375	0.133631	0.5	0.25	0.5
			SVOC	1,2,4-TRICHLOROBENZENE	0 / 44	8.610455	14.69701	100	1.07	100
				1,2-DICHLOROBENZENE	0 / 44	8.616591	14.70259	100	0.55	100
				1,3-DICHLOROBENZENE	0 / 44	8.541591	14.73521	100	0.54	100
				1,4-DICHLOROBENZENE	0 / 44	8.544318	14.73528	100	0.47	100
				2,4,5-TRICHLOROPHENOL	0 / 39	22.51077	79.44967	500	0.47	500
				2,4,6-TRICHLOROPHENOL	0 / 39	9.895128	15.24864	100	0.59	100
				2,4-DICHLOROPHENOL	0 / 39	9.604103	15.33302	100	0.51	100
				2,4-DIMETHYLPHENOL	0 / 39	9.699487	15.26693	100	1.35	100
				2,4-DINITROPHENOL	0 / 39	44.21795	78.43712	500	1.36	500
				2,4-DINITROTOLUENE	0 / 44	8.845682	14.59565	100	1.1	100
				2,6-DINITROTOLUENE	0 / 44	9.020227	14.53627	100	0.76	100
				2-CHLORONAPHTHALENE	0 / 44	8.527273	14.74365	100	0.375	100
				2-CHLOROPHENOL	0 / 39	9.300513	15.45817	100	0.32	100
				2-METHYLNAPHTHALENE	0 / 41	9.032683	15.15647	100	0.65	100
				2-METHYLPHENOL	0 / 39	9.36	15.42402	100	0.55	100
				2-NITROANILINE	0 / 41	43.10337	76.86782	500	0.908	500
				2-NITROPHENOL	0 / 39	9.244103	15.47998	100	0.45	100
				3,3'-DICHLOROBENZIDINE	0 / 44	18.42705	29.58654	200	2.57	200
				3-NITROANILINE	0 / 41	43.63268	76.57788	500	1.3	500
				4,6-DINITRO-2-METHYLPHENOL	0 / 39	44.64641	78.20971	500	1	500
				4-BROMOPHENYL PHENYLETH	0 / 44	8.678227	14.67805	100	0.442	100
				4-CHLORO-3-METHYLPHENOL	0 / 39	9.294615	15.45205	100	0.73	100
				4-CHLOROANILINE	0 / 41	9.784146	14.80021	100	2.3	100
				4-CHLOROPHENYL-PHENYLETH	0 / 44	8.528227	14.74226	100	0.352	100
				4-METHYLPHENOL	1 / 38	7.027632	3.975224	10	0.68	3
				4-NITROANILINE	0 / 41	43.55732	76.61676	500	1.6	500
				4-NITROPHENOL	0 / 39	44.37026	78.35367	500	1.42	500
				7,12-DIMETHYLBENZ(A)ANTHRA	0 / 15	3.52	2.180498	6.1	1.8	6.0999999
				ACENAPHTHENE	0 / 44	8.783636	14.61198	100	1.36	100
				ACENAPHTHYLENE	0 / 44	8.551136	14.73234	100	0.4	100
				ANTHRACENE	0 / 44	8.504091	14.75388	100	0.36	100
				BENZO(A)ANTHRACENE	0 / 44	8.521818	14.74282	100	0.56	100
				BENZO(A)PYRENE	0 / 44	8.617955	14.70983	100	0.5	100
				BENZO(B)FLUORANTHENE	0 / 44	8.602955	14.70783	100	0.55	100
				BENZO(G,H,I)PERYLENE	0 / 44	8.741364	14.66428	100	0.52	100
				BENZO(K)FLUORANTHENE	0 / 44	8.684773	14.67239	100	0.44	100
				BENZOIC ACID	0 / 36	31.41944	23.62477	50	1.2	50
				BENZYL ALCOHOL	0 / 37	10.48378	8.14243	20	1.7	20
				BIS(2-CHLOROETHOXY)METHA	0 / 44	8.593136	14.71404	100	0.343	100
				BIS(2-CHLOROETHYL)ETHER	0 / 44	8.722273	14.65326	100	0.55	100
				BIS(2-CHLOROISOPROPYL)ETH	0 / 44	8.600227	14.71085	100	0.4	100
				BIS(2-ETHYLHEXYL)PHTHALATE	2 / 44	12.50455	14.52361	100	1.2	11.2
				BUTYLBENZYL PHTHALATE	1 / 44	8.665909	14.67322	100	0.976	1.4
				CHRYSENE	0 / 44	8.914545	14.57	100	1.48	100
				DIBENZ(A,H)ANTHRACENE	0 / 44	8.731818	14.66702	100	0.55	100
				DIBENZOFURAN	0 / 41	8.904341	15.22235	100	0.343	100
				DIETHYLPHTHALATE	0 / 44	8.644	14.68292	100	0.851	100
				DIMETHYLPHTHALATE	0 / 44	8.701818	14.67086	100	0.43	100
				DI-N-BUTYLPHTHALATE	4 / 44	9.065227	14.54031	100	0.85	7.1
				DI-N-OCTYL PHTHALATE	0 / 44	8.89	14.58013	100	1.4	100
				FLUORANTHENE	0 / 44	8.613182	14.69826	100	0.81	100
				FLUORENE	0 / 44	8.570227	14.72222	100	0.47	100
				HEXACHLOROBENZENE	0 / 44	8.790455	14.61848	100	1.46	100
				HEXACHLOROBUTADIENE	0 / 44	8.804773	14.61558	100	1.06	100
				HEXACHLOROCYCLOPENTADIE	0 / 44	9.306818	16.09608	100	0.5	100
				HEXACHLOROETHANE	0 / 44	8.637727	14.68595	100	1.22	100

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Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				INDENO(1,2,3-CD)PYRENE	0 / 44	8.842955	14.60566	100	1.6	100
				ISOPHORONE	0 / 44	8.684091	14.67014	100	0.58	100
				NAPHTHALENE	0 / 44	8.603636	14.70447	100	0.73	100
				NITROBENZENE	0 / 44	8.628182	14.69519	100	0.59	100
				N-NITROSO-DI-N-PROPYLAMINI	0 / 43	8.615814	14.85371	100	0.82	100
				N-NITROSODIPHENYLAMINE	0 / 44	8.772727	14.61693	100	1.7	100
				PENTACHLOROPHENOL	0 / 38	43.99447	79.52371	500	0.89	500
				PHENANTHRENE	0 / 44	8.733864	14.63494	100	1.43	100
				PHENOL	0 / 37	6.848378	4.13828	10	0.55	10
				PYRENE	0 / 44	8.588636	14.70923	100	0.74	100
				PYRIDINE	0 / 37	7.770541	3.679759	20	3.7	20
			TOTMET	ANTIMONY, TOTAL	0 / 38	50.93105	37.66515	100	3.4	100
				ARSENIC, TOTAL	5 / 44	4.773636	1.612416	11	1	4.23
				BARIUM, TOTAL	27 / 41	90.60732	295.6646	1900	0.2	442
				BERYLLIUM, TOTAL	1 / 41	3.741951	1.770417	7	1.36	2.32
				CADMIUM, TOTAL	0 / 41	3.792439	2.086579	10	0.5	10
				CHROMIUM (VI), TOTAL	1 / 29	8.793103	1.915712	11	6	5.24
				CHROMIUM, TOTAL	14 / 44	25.71205	93.65491	630	0.93	114
				COBALT, TOTAL	2 / 29	20.00828	47.96469	260	1.12	69.8
				COPPER, TOTAL	13 / 41	47.22683	201.672	1300	1.32	248
				IRON, TOTAL	44 / 47	5410.479	11136.32	52500	18.5	13600
				LEAD, TOTAL	12 / 42	12.4481	56.63877	370	2	66.3
				MAGNESIUM, TOTAL	45 / 45	37453.33	17438.08	71400	6000	40700
				MANGANESE, TOTAL	36 / 37	547.7543	528.381	2670	2.91	752
				MERCURY, TOTAL	2 / 44	0.175136	0.164411	0.88	0.017	0.261
				NICKEL, TOTAL	26 / 41	162.1244	256.3196	1200	5.25	274
				SELENIUM, TOTAL	2 / 41	5.616585	7.166369	50	1	5.1
				SILVER, TOTAL	0 / 16	4.85375	5.267601	20	0.7	20
				THALLIUM, TOTAL	0 / 4	2500	1000	4000	2000	4000
				VANADIUM, TOTAL	29 / 41	303.9683	798.7725	5100	0.2	942
				ZINC, TOTAL	28 / 38	149.2368	415.3108	2600	13.6	609
			VOA	1,1,1-TRICHLOROETHANE	0 / 44	4.616364	7.354304	50	0.04	50
				1,1,2,2-TETRACHLOROETHANE	0 / 44	4.529091	7.399126	50	0.06	50
				1,1,2-TRICHLOROETHANE	0 / 44	4.518182	7.404843	50	0.04	50
				1,1-DICHLOROETHANE	0 / 44	4.523636	7.402038	50	0.04	50
				1,1-DICHLOROETHENE	0 / 44	4.702955	7.313338	50	0.04	50
				1,2-DICHLOROETHANE	0 / 44	4.445909	7.444658	50	0.04	50
				1,2-DICHLOROETHENE (TOTAL)	0 / 4	5	0	5	5	5
				1,2-DICHLOROPROPANE	0 / 44	4.567955	7.378139	50	0.09	50
				2-BUTANONE	1 / 44	36.81114	74.95265	500	0.9	4.3
				2-CHLOROETHYL VINYL ETHER	0 / 40	5.72775	7.829736	50	1.25	50
				2-HEXANONE	0 / 41	38.24634	77.54496	500	0.7	500
				4-METHYL-2-PENTANONE	0 / 41	38.13512	77.5924	500	1.1	500
				ACETONE	3 / 44	71.14545	150.8545	1000	1.7	2.2
				BENZENE	6 / 42	13.56976	57.77316	370	0.07	69.4
				BROMODICHLOROMETHANE	1 / 44	4.506818	7.41108	50	0.02	0.23
				BROMOFORM	0 / 44	4.546818	7.387665	50	0.6	50
				BROMOMETHANE	0 / 44	9.029545	14.81342	100	0.04	100
				CARBON DISULFIDE	3 / 44	10.01205	22.07209	120	0.71	21.4
				CARBON TETRACHLORIDE	0 / 44	4.599318	7.363755	50	0.07	50
				CHLOROBENZENE	0 / 44	4.577568	7.374659	50	0.04	50
				CHLOROETHANE	0 / 44	9.223182	14.72187	100	0.05	100
				CHLOROFORM	1 / 44	4.561364	7.382232	50	0.04	0.5
				CHLOROMETHANE	0 / 44	9.020682	14.8181	100	0.08	100
				CIS-1,3-DICHLOROPROPENE	0 / 44	4.589773	7.367775	50	0.04	50
				DIBROMOCHLOROMETHANE	0 / 44	4.546136	7.390002	50	0.04	50
				ETHYLBENZENE	2 / 45	4.701778	7.248787	50	0.04	4.79

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Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				METHYLENE CHLORIDE	1 / 44	6.075682	8.041205	50	0.16	6.17
				O-XYLENE	0 / 15	1.016	0.173897	1.1	0.68	1.1
				STYRENE	0 / 41	4.38622	7.615175	50	0.03	50
				TETRACHLOROETHENE	0 / 44	4.771136	7.286137	50	0.07	50
				TOLUENE	4 / 45	4.804	7.394983	50	0.02	5.79
				TRANS-1,2-DICHLOROETHENE	0 / 40	4.6375	7.695035	50	0.05	50
				TRANS-1,3-DICHLOROPROPEN	0 / 44	4.685227	7.321203	50	0.03	50
				TRICHLOROETHENE	0 / 44	4.642273	7.34137	50	0.05	50
				VINYL ACETATE	0 / 41	38.2478	77.53677	500	1.4	500
				VINYL CHLORIDE	0 / 44	9.056591	14.80063	100	0.03	100
				XYLENES (TOTAL)	4 / 45	6.961333	11.52503	61	0.92	11.3
				METHANE	13 / 21	2065.238	3951.639	10000	5	770
				TERT-BUTYL METHYL ETHER	4 / 25	4.6516	6.290402	29.2	0.7	8.99
			GENX	PH	15 / 15	7.306667	0.221897	7.7	7	7.6999998
				SALINITY	3 / 3	0.32	0.075498	0.39	0.24	0.39
HOLDING P	SD	ug/Kg	GENX	CALCIUM	6 / 6	19906667	13523589	39900000	9140000	39900000
POND				CYANIDE	0 / 6	250	0	250	250	250
				POTASSIUM	4 / 6	184661.7	141836.7	299000	2950	280000
				SODIUM	2 / 6	79091.67	122316.3	274000	1720	274000
			METALS	ANTIMONY	0 / 6	144	18.74033	167	113	167
				ARSENIC	4 / 6	852.6667	719.2278	2000	131	1630
				BARIUM	6 / 6	51716.67	11417.95	70400	38000	66300
				BERYLLIUM	0 / 6	199	25.8457	230	156	230
				CADMIUM	6 / 6	1083.333	399.8833	1700	560	1430
				CHROMIUM	6 / 6	334250	375182.1	866000	74100	866000
				CHROMIUM (VI)	4 / 6	14383.33	12451.41	36000	2500	27900
				COBALT	6 / 6	8950	2083.027	11500	6600	11500
				COPPER	6 / 6	41366.67	6686.903	51600	33600	48300
				IRON	6 / 6	14460000	4295858	20200000	8960000	17900000
				LEAD	6 / 6	13366.67	9518.333	27900	2700	27900
				MAGNESIUM	6 / 6	5036667	1452483	7360000	3090000	6470000
				MANGANESE	6 / 6	367333.3	73687.63	495000	286000	482000
				MERCURY	6 / 6	141.1667	126.5139	340	44	340
				NICKEL	6 / 6	123750	65892.15	217000	31000	179000
				SELENIUM	1 / 6	235.5	112.7843	460	149	422
				SILVER	0 / 6	29.65	3.871305	34.3	23.2	34.299999
				VANADIUM	6 / 6	283666.7	114283.3	399000	120000	369000
				ZINC	6 / 6	587833.3	317392.1	1010000	125000	841000
			PCB	AROCLOR-1016	0 / 6	17.15	25.20525	68.6	6.86	68.599998
				AROCLOR-1221	0 / 6	20.8125	30.588	83.25	8.325	83.25
				AROCLOR-1232	0 / 6	20.8125	30.588	83.25	8.325	83.25
				AROCLOR-1242	0 / 6	20.8125	30.588	83.25	8.325	83.25
				AROCLOR-1248	0 / 6	20.8125	30.588	83.25	8.325	83.25
				AROCLOR-1254	0 / 6	20.8125	30.588	83.25	8.325	83.25
				AROCLOR-1260	0 / 6	25.05	36.81583	100.2	10.02	100.2
			SVOC	1,2,4-TRICHLOROBENZENE	0 / 6	78.8	0	78.8	78.8	78.800003
				1,2-DICHLOROBENZENE	0 / 6	71.2	0	71.2	71.2	71.199997
				1,3-DICHLOROBENZENE	0 / 6	71.2	0	71.2	71.2	71.199997
				1,4-DICHLOROBENZENE	0 / 6	69.5	0	69.5	69.5	69.5
				2,4,5-TRICHLOROPHENOL	0 / 6	78	0	78	78	78
				2,4,6-TRICHLOROPHENOL	0 / 6	74.2	0	74.2	74.2	74.199997
				2,4-DICHLOROPHENOL	0 / 6	78.7	0	78.7	78.7	78.699997
				2,4-DIMETHYLPHENOL	0 / 6	168.7	0	168.7	168.7	168.7
				2,4-DINITROPHENOL	0 / 6	63.7	0	63.7	63.7	63.700001
				2,4-DINITROTOLUENE	0 / 6	92.1	0	92.1	92.1	92.099998
				2,6-DINITROTOLUENE	0 / 6	87.5	0	87.5	87.5	87.5
				2-CHLORONAPHTHALENE	0 / 6	71.5	0	71.5	71.5	71.5

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Site-Wide Screening Level ERA for the CPCPRC Site

Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				2-CHLOROPHENOL	0 / 6	75.8	0	75.8	75.8	75.800003
				2-METHYLNAPHTHALENE	0 / 6	80.6	0	80.6	80.6	80.599998
				2-METHYLPHENOL	0 / 6	74.4	0	74.4	74.4	74.400002
				2-NITROANILINE	0 / 6	75.1	0	75.1	75.1	75.099998
				2-NITROPHENOL	0 / 6	73.6	0	73.6	73.6	73.599998
				3,3'-DICHLOROBENZIDINE	0 / 6	52.9	0	52.9	52.9	52.900002
				3-NITROANILINE	0 / 6	78.1	0	78.1	78.1	78.099998
				4,6-DINITRO-2-METHYLPHENOL	0 / 6	58.9	0	58.9	58.9	58.900002
				4-BROMOPHENYL PHENYLETH	0 / 6	70.2	0	70.2	70.2	70.199997
				4-CHLORO-3-METHYLPHENOL	0 / 6	82.5	0	82.5	82.5	82.5
				4-CHLOROANILINE	0 / 6	73.2	0	73.2	73.2	73.199997
				4-CHLOROPHENYL-PHENYLETH	0 / 6	81.9	0	81.9	81.9	81.900002
				4-METHYLPHENOL	0 / 6	69.1	0	69.1	69.1	69.099998
				4-NITROANILINE	0 / 6	93	0	93	93	93
				4-NITROPHENOL	0 / 6	89.1	0	89.1	89.1	89.099998
				7,12-DIMETHYLBENZ(A)ANTHRA	0 / 6	83.25	0	83.25	83.25	83.25
				ACENAPHTHENE	0 / 6	74.5	0	74.5	74.5	74.5
				ACENAPHTHYLENE	0 / 6	73.3	0	73.3	73.3	73.300003
				ANTHRACENE	0 / 6	71	0	71	71	71
				BENZO(A)ANTHRACENE	0 / 6	70.6	0	70.6	70.6	70.599998
				BENZO(A)PYRENE	4 / 6	178.8667	104.6788	318	73.6	274
				BENZO(B)FLUORANTHENE	4 / 6	198.8667	106.0967	323	83.1	272
				BENZO(G,H,I)PERYLENE	5 / 6	211.5	162.7159	450	77.7	450
				BENZO(K)FLUORANTHENE	0 / 6	75.3	0	75.3	75.3	75.300003
				BENZOIC ACID	0 / 6	122.2	0	122.2	122.2	122.2
				BENZYL ALCOHOL	0 / 6	76.6	0	76.6	76.6	76.599998
				BIS(2-CHLOROETHOXY)METHA	0 / 6	74.4	0	74.4	74.4	74.400002
				BIS(2-CHLOROETHYL)ETHER	0 / 6	72.9	0	72.9	72.9	72.900002
				BIS(2-CHLOROISOPROPYL)ETH	0 / 6	67.6	0	67.6	67.6	67.599998
				BIS(2-ETHYLHEXYL)PHTHALATE	1 / 6	211.8333	54.95022	324	189.4	133
				BUTYLBENZYL PHTHALATE	0 / 6	81.4	0	81.4	81.4	81.400002
				CHRYSENE	4 / 6	214.3333	125.7786	373	73	307
				DIBENZ(A,H)ANTHRACENE	0 / 6	74.9	0	74.9	74.9	74.900002
				DIBENZOFURAN	0 / 6	75.4	0	75.4	75.4	75.400002
				DIETHYLPHTHALATE	0 / 6	98.8	0	98.8	98.8	98.800003
				DIMETHYLPHTHALATE	0 / 6	82.5	0	82.5	82.5	82.5
				DI-N-BUTYLPHTHALATE	0 / 6	81.2	0	81.2	81.2	81.199997
				DI-N-OCTYL PHTHALATE	0 / 6	88.3	0	88.3	88.3	88.300003
				FLUORANTHENE	0 / 6	83.1	0	83.1	83.1	83.099998
				FLUORENE	3 / 6	308.75	332.8893	783	86.5	783
				HEXACHLOROBENZENE	0 / 6	72.4	0	72.4	72.4	72.400002
				HEXACHLOROBUTADIENE	0 / 6	81.5	0	81.5	81.5	81.5
				HEXACHLOROCYCLOPENTADIE	0 / 6	52.8	0	52.8	52.8	52.799999
				HEXACHLOROETHANE	0 / 6	66.8	0	66.8	66.8	66.800003
				INDENO(1,2,3-CD)PYRENE	2 / 6	80.6	9.412757	99.2	75.7	72.3
				ISOPHORONE	0 / 6	84.7	0	84.7	84.7	84.699997
				NAPHTHALENE	0 / 6	76.7	0	76.7	76.7	76.699997
				NITROBENZENE	0 / 6	77.7	0	77.7	77.7	77.699997
				N-NITROSO-DI-N-PROPYLAMINE	0 / 6	72	0	72	72	72
				N-NITROSODIPHENYLAMINE	0 / 6	59.7	0	59.7	59.7	59.700001
				PENTACHLOROPHENOL	0 / 6	70.3	0	70.3	70.3	70.300003
				PHENANTHRENE	2 / 6	240.4333	274.4734	675	66.9	393
				PHENOL	0 / 6	74.5	0	74.5	74.5	74.5
				PYRENE	2 / 6	91.51667	22.78143	136	79.3	95.7
				PYRIDINE	0 / 6	83.25	0	83.25	83.25	83.25
			VOA	1,1,1-TRICHLOROETHANE	0 / 6	2.379667	1.340569	3.245	0.649	3.2449999
				1,1,2,2-TETRACHLOROETHANE	0 / 6	3.857334	2.173002	5.26	1.052	5.2600002

Table 4-13

Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				1,1,2-TRICHLOROETHANE	0 / 6	3.578667	2.016017	4.88	0.976	4.8800001
				1,1-DICHLOROETHANE	0 / 6	2.618	1.474832	3.57	0.714	3.5699999
				1,1-DICHLOROETHENE	0 / 6	2.764667	1.557456	3.77	0.754	3.77
				1,2-DICHLOROETHANE	0 / 6	2.856333	1.609095	3.895	0.779	3.895
				1,2-DICHLOROPROPANE	0 / 6	4.216667	2.37543	5.75	1.15	5.75
				2-BUTANONE	2 / 6	7.836667	5.142452	18.2	5.355	14.3
				2-CHLOROETHYL VINYL ETHER	0 / 6	4.583333	2.581989	6.25	1.25	6.25
				2-HEXANONE	0 / 6	2.625333	1.478963	3.58	0.716	3.5799999
				4-METHYL-2-PENTANONE	0 / 6	3.718	2.094509	5.07	1.014	5.0700002
				ACETONE	5 / 6	251.25	345.0661	894	13.5	894
				BENZENE	0 / 6	3.439333	1.937524	4.69	0.938	4.6900001
				BROMODICHLOROMETHANE	0 / 6	3.201	1.803261	4.365	0.873	4.3649998
				BROMOFORM	0 / 6	2.438333	1.373618	3.325	0.665	3.325
				BROMOMETHANE	0 / 6	2.585	1.456242	3.525	0.705	3.5250001
				CARBON DISULFIDE	6 / 6	24.53333	29.8561	80.9	2.3	73.7
				CARBON TETRACHLORIDE	0 / 6	2.728	1.5368	3.72	0.744	3.72
				CHLOROBENZENE	0 / 6	2.555667	1.439717	3.485	0.697	3.4849999
				CHLOROETHANE	0 / 6	3.296333	1.856966	4.495	0.899	4.4949999
				CHLOROFORM	0 / 6	2.893	1.629751	3.945	0.789	3.9449999
				CHLOROMETHANE	0 / 6	2.64	1.487226	3.6	0.72	3.5999999
				CIS-1,3-DICHLOROPROPENE	0 / 6	3.406333	1.918934	4.645	0.929	4.645
				DIBROMOCHLOROMETHANE	0 / 6	2.665667	1.501685	3.635	0.727	3.635
				ETHYLBENZENE	0 / 6	2.812333	1.584308	3.835	0.767	3.835
				METHYLENE CHLORIDE	0 / 6	36.66667	20.65591	50	10	50
				O-XYLENE	2 / 6	2.99	0.669597	3.41	1.9	2.25
				STYRENE	0 / 6	2.574	1.450045	3.51	0.702	3.51
				TETRACHLOROETHENE	0 / 6	4.792333	2.699727	6.535	1.307	6.5349998
				TOLUENE	0 / 6	3.457667	1.947852	4.715	0.943	4.7150002
				TRANS-1,2-DICHLOROETHENE	0 / 6	3.179	1.790868	4.335	0.867	4.335
				TRANS-1,3-DICHLOROPROPEN	0 / 6	3.252333	1.832179	4.435	0.887	4.4349999
				TRICHLOROETHENE	0 / 6	3.501667	1.97264	4.775	0.955	4.7750001
				VINYL ACETATE	1 / 6	8.983333	5.45909	12.5	1.4	1.4
				VINYL CHLORIDE	0 / 6	2.456667	1.383946	3.35	0.67	3.3499999
				XYLENES (TOTAL)	2 / 6	6.323333	1.452662	7.11	3.5	6
				TERT-BUTYL METHYL ETHER	0 / 6	3.116667	1.755752	4.25	0.85	4.25
			GENX	PH	6 / 6	7.366667	0.175119	7.6	7.1	7.5999999
	SW	ug/L	DISMET	ANTIMONY, DISSOLVED	0 / 3	3.4	0	3.4	3.4	3.4000001
				ARSENIC, DISSOLVED	0 / 3	3.1	0	3.1	3.1	3.0999999
				BARIUM, DISSOLVED	3 / 3	463.3333	111.5452	537	335	537
				BERYLLIUM, DISSOLVED	0 / 3	4.7	0	4.7	4.7	4.6999998
				CADMIUM, DISSOLVED	0 / 3	0.5	0	0.5	0.5	0.5
				CHROMIUM, DISSOLVED	0 / 3	1	0	1	1	1
				COBALT, DISSOLVED	0 / 3	1.8	0	1.8	1.8	1.8
				COPPER, DISSOLVED	0 / 3	2.3	0	2.3	2.3	2.3
				IRON, DISSOLVED	0 / 3	18.5	0	18.5	18.5	18.5
				LEAD, DISSOLVED	0 / 3	2.2	0	2.2	2.2	2.2
				MAGNESIUM, DISSOLVED	3 / 3	7693.333	51.31601	7750	7650	7750
				MANGANESE, DISSOLVED	0 / 3	0.3	0	0.3	0.3	0.3
				MERCURY, DISSOLVED	0 / 3	0.058	0	0.058	0.058	0.058
				NICKEL, DISSOLVED	0 / 3	1.2	0	1.2	1.2	1.2
				SELENIUM, DISSOLVED	0 / 3	4.5	0	4.5	4.5	4.5
				SILVER, DISSOLVED	0 / 3	0.7	0	0.7	0.7	0.7
				VANADIUM, DISSOLVED	3 / 3	183.6667	2.081666	186	182	186
				ZINC, DISSOLVED	3 / 3	56.03333	3.647373	59.1	52	59.099998
			GENX	ALKALINITY, BICARB.	3 / 3	95433.33	1150.362	96600	94300	96600
				ALKALINITY, CARB.	0 / 3	2500	0	2500	2500	2500
				ALKALINITY, TOTAL	3 / 3	95433.33	1150.362	96600	94300	96600

Table 4-13

Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				AMMONIA AS NH3	0 / 3	12.5	0	12.5	12.5	12.5
				CALCIUM	3 / 3	42700	3251.154	46000	39500	46000
				CALCIUM, DISSOLVED	3 / 3	35766.67	650.6407	36400	35100	36400
				CHLORIDE	3 / 3	9166.667	11633.72	22600	2400	22600
				NITRATE AS N	1 / 3	101.6667	154.4412	280	12.5	98
				NITRITE AS N	0 / 3	12.5	0	12.5	12.5	12.5
				NITROGEN-TKN	3 / 3	1533.333	757.1878	2400	1000	2400
				PHOSPHORUS, TOTAL	3 / 3	433.3333	35.11885	470	400	470
				POTASSIUM	3 / 3	2746.667	433.1666	3220	2370	3220
				POTASSIUM, DISSOLVED	3 / 3	1650	105.3565	1750	1540	1750
				SODIUM	3 / 3	23533.33	1059.874	24500	22400	24500
				SODIUM, DISSOLVED	3 / 3	23866.67	251.6611	24100	23600	24100
				SULFATE	3 / 3	46200	1216.553	47000	44800	47000
				SULFIDE	3 / 3	55	33.42155	92	27	92
				TOTAL DISSOLVED SOLIDS	3 / 3	212000	10583.01	224000	204000	224000
				TOTAL ORGANIC CARBON	3 / 3	4666.667	472.5816	5200	4300	5200
				TOTAL SOLIDS (RESIDUE)	3 / 3	244000	4000	248000	240000	248000
				TOTAL SUSPENDED SOLIDS	3 / 3	19666.67	13012.81	33000	7000	33000
			PCB	AROCLOR-1016	0 / 3	0.247	0	0.247	0.247	0.247
				AROCLOR-1221	0 / 3	0.184	0	0.184	0.184	0.184
				AROCLOR-1232	0 / 3	0.166	0	0.166	0.166	0.166
				AROCLOR-1242	0 / 3	0.372	0	0.372	0.372	0.372
				AROCLOR-1248	0 / 3	0.277	0	0.277	0.277	0.277
				AROCLOR-1254	0 / 3	0.111	0	0.111	0.111	0.111
				AROCLOR-1260	0 / 3	0.217	0	0.217	0.217	0.217
			SVOC	1,2,4-TRICHLOROBENZENE	0 / 3	2.1	0	2.1	2.1	2.0999999
				1,2-DICHLOROBENZENE	0 / 3	2.7	0	2.7	2.7	2.7
				1,3-DICHLOROBENZENE	0 / 3	2.2	0	2.2	2.2	2.2
				1,4-DICHLOROBENZENE	0 / 3	2.3	0	2.3	2.3	2.3
				2,4,5-TRICHLOROPHENOL	0 / 3	1.8	0	1.8	1.8	1.8
				2,4,6-TRICHLOROPHENOL	0 / 3	6.4	0	6.4	6.4	6.4000001
				2,4-DICHLOROPHENOL	0 / 3	4.5	0	4.5	4.5	4.5
				2,4-DIMETHYLPHENOL	0 / 3	2.9	0	2.9	2.9	2.9000001
				2,4-DINITROPHENOL	0 / 3	2.1	0	2.1	2.1	2.0999999
				2,4-DINITROTOLUENE	0 / 3	2.5	0	2.5	2.5	2.5
				2,6-DINITROTOLUENE	0 / 3	4.2	0	4.2	4.2	4.1999998
				2-CHLORONAPHTHALENE	0 / 3	2.2	0	2.2	2.2	2.2
				2-CHLOROPHENOL	0 / 3	2.8	0	2.8	2.8	2.8
				2-METHYLNAPHTHALENE	0 / 3	2.1	0	2.1	2.1	2.0999999
				2-METHYLPHENOL	0 / 3	2.6	0	2.6	2.6	2.5999999
				2-NITROANILINE	0 / 3	1.3	0	1.3	1.3	1.3
				2-NITROPHENOL	0 / 3	2.2	0	2.2	2.2	2.2
				3,3'-DICHLOROBENZIDINE	0 / 3	4.3	0	4.3	4.3	4.3000002
				3-NITROANILINE	0 / 3	1.3	0	1.3	1.3	1.3
				4,6-DINITRO-2-METHYLPHENOL	0 / 3	5.2	0	5.2	5.2	5.1999998
				4-BROMOPHENYL PHENYLETH	0 / 3	3.1	0	3.1	3.1	3.0999999
				4-CHLORO-3-METHYLPHENOL	0 / 3	2.2	0	2.2	2.2	2.2
				4-CHLOROANILINE	0 / 3	2.3	0	2.3	2.3	2.3
				4-CHLOROPHENYL-PHENYLETH	0 / 3	2	0	2	2	2
				4-METHYLPHENOL	0 / 3	2.4	0	2.4	2.4	2.4000001
				4-NITROANILINE	0 / 3	1.6	0	1.6	1.6	1.6
				4-NITROPHENOL	0 / 3	2.2	0	2.2	2.2	2.2
				7,12-DIMETHYLBENZ(A)ANTHRA	0 / 3	6.1	0	6.1	6.1	6.0999999
				ACENAPHTHENE	0 / 3	2.2	0	2.2	2.2	2.2
				ACENAPHTHYLENE	0 / 3	2.3	0	2.3	2.3	2.3
				ANTHRACENE	0 / 3	2	0	2	2	2
				BENZO(A)ANTHRACENE	0 / 3	1.9	0	1.9	1.9	1.9

Table 4-13
Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				BENZO(A)PYRENE	0 / 3	1.7	0	1.7	1.7	1.7
				BENZO(B)FLUORANTHENE	0 / 3	1.9	0	1.9	1.9	1.9
				BENZO(G,H,I)PERYLENE	0 / 3	1.5	0	1.5	1.5	1.5
				BENZO(K)FLUORANTHENE	0 / 3	2.5	0	2.5	2.5	2.5
				BENZOIC ACID	0 / 3	1.2	0	1.2	1.2	1.2
				BENZYL ALCOHOL	0 / 3	2.5	0	2.5	2.5	2.5
				BIS(2-CHLOROETHOXY)METHA	0 / 3	2.5	0	2.5	2.5	2.5
				BIS(2-CHLOROETHYL)ETHER	0 / 3	2.5	0	2.5	2.5	2.5
				BIS(2-CHLOROISOPROPYL)ETH	0 / 3	2.6	0	2.6	2.6	2.5999999
				BIS(2-ETHYLHEXYL)PHTHALATI	1 / 3	12.53333	4.734272	18	9.8	9.29
				BUTYLBENZYL PHTHALATE	0 / 3	1.7	0	1.7	1.7	1.7
				CHRYSENE	0 / 3	1.9	0	1.9	1.9	1.9
				DIBENZ(A,H)ANTHRACENE	0 / 3	1.7	0	1.7	1.7	1.7
				DIBENZOFURAN	0 / 3	1.4	0	1.4	1.4	1.4
				DIETHYLPHTHALATE	0 / 3	2.3	0	2.3	2.3	2.3
				DIMETHYLPHTHALATE	0 / 3	2.2	0	2.2	2.2	2.2
				DI-N-BUTYLPHTHALATE	0 / 3	2	0	2	2	2
				DI-N-OCTYL PHTHALATE	0 / 3	2	0	2	2	2
				FLUORANTHENE	0 / 3	2.3	0	2.3	2.3	2.3
				FLUORENE	0 / 3	2.3	0	2.3	2.3	2.3
				HEXACHLOROBENZENE	0 / 3	1.7	0	1.7	1.7	1.7
				HEXACHLOROBUTADIENE	0 / 3	2.4	0	2.4	2.4	2.4000001
				HEXACHLOROCYCLOPENTADIE	0 / 3	0.5	0	0.5	0.5	0.5
				HEXACHLOROETHANE	0 / 3	1.6	0	1.6	1.6	1.6
				INDENO(1,2,3-CD)PYRENE	0 / 3	1.6	0	1.6	1.6	1.6
				ISOPHORONE	0 / 3	2.8	0	2.8	2.8	2.8
				NAPHTHALENE	0 / 3	2.4	0	2.4	2.4	2.4000001
				NITROBENZENE	0 / 3	2.6	0	2.6	2.6	2.5999999
				N-NITROSO-DI-N-PROPYLAMINI	0 / 3	2.2	0	2.2	2.2	2.2
				N-NITROSODIPHENYLAMINE	0 / 3	1.7	0	1.7	1.7	1.7
				PENTACHLOROPHENOL	0 / 3	1.7	0	1.7	1.7	1.7
				PHENANTHRENE	0 / 3	2	0	2	2	2
				PHENOL	0 / 3	2.7	0	2.7	2.7	2.7
				PYRENE	0 / 3	1.9	0	1.9	1.9	1.9
				PYRIDINE	0 / 3	3.7	0	3.7	3.7	3.7
			TOTMET	ANTIMONY, TOTAL	0 / 3	3.4	0	3.4	3.4	3.4000001
				ARSENIC, TOTAL	0 / 3	3.1	0	3.1	3.1	3.0999999
				BARIUM, TOTAL	0 / 3	0.2	0	0.2	0.2	0.2
				BERYLLIUM, TOTAL	0 / 3	4.7	0	4.7	4.7	4.6999998
				CADMIUM, TOTAL	0 / 3	0.5	0	0.5	0.5	0.5
				CHROMIUM (VI), TOTAL	1 / 3	10.33333	0.57735	11	10	6.85
				CHROMIUM, TOTAL	2 / 3	34.36667	32.13103	65.1	1	65.099998
				COBALT, TOTAL	0 / 3	1.8	0	1.8	1.8	1.8
				COPPER, TOTAL	0 / 3	2.3	0	2.3	2.3	2.3
				IRON, TOTAL	3 / 3	1654.667	1318.85	3000	364	3000
				LEAD, TOTAL	1 / 3	2.633333	0.750555	3.5	2.2	1.9
				MAGNESIUM, TOTAL	3 / 3	9793.333	910.0183	10700	8880	10700
				MANGANESE, TOTAL	3 / 3	154.8667	76.78186	241	93.6	241
				MERCURY, TOTAL	0 / 3	0.058	0	0.058	0.058	0.058
				NICKEL, TOTAL	3 / 3	65.63333	29.67698	98.5	40.8	98.5
				SELENIUM, TOTAL	0 / 3	4.5	0	4.5	4.5	4.5
				SILVER, TOTAL	0 / 3	0.7	0	0.7	0.7	0.7
				VANADIUM, TOTAL	3 / 3	253.3333	31.39002	278	218	276
				ZINC, TOTAL	3 / 3	134.6667	70.59981	197	58	194
			VOA	1,1,1-TRICHLOROETHANE	0 / 3	1.1	0	1.1	1.1	1.1
				1,1,2,2-TETRACHLOROETHANE	0 / 3	0.6	0	0.6	0.6	0.6
				1,1,2-TRICHLOROETHANE	0 / 3	0.6	0	0.6	0.6	0.6

Table 4-13

Area-Specific Summary Statistics for Chemicals in Surface Water, Sediment, and Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

Area	Media	Units	Class	Analyte	DF	Average	StDev	Max	Min	EPC
				1,1-DICHLOROETHANE	0 / 3	0.6	0	0.6	0.6	0.6
				1,1-DICHLOROETHENE	0 / 3	1.5	0	1.5	1.5	1.5
				1,2-DICHLOROETHANE	0 / 3	0.3	0	0.3	0.3	0.3
				1,2-DICHLOROPROPANE	0 / 3	0.8	0	0.8	0.8	0.8
				2-BUTANONE	0 / 3	0.9	0	0.9	0.9	0.9
				2-CHLOROETHYL VINYL ETHER	0 / 3	1.25	0	1.25	1.25	1.25
				2-HEXANONE	0 / 3	0.7	0	0.7	0.7	0.7
				4-METHYL-2-PENTANONE	0 / 3	1.1	0	1.1	1.1	1.1
				ACETONE	3 / 3	5.366667	1.234234	6.4	4	6.35
				BENZENE	0 / 3	1	0	1	1	1
				BROMODICHLOROMETHANE	0 / 3	0.7	0	0.7	0.7	0.7
				BROMOFORM	0 / 3	0.6	0	0.6	0.6	0.6
				BROMOMETHANE	0 / 3	1.3	0	1.3	1.3	1.3
				CARBON DISULFIDE	0 / 3	1.3	0	1.3	1.3	1.3
				CARBON TETRACHLORIDE	0 / 3	1.1	0	1.1	1.1	1.1
				CHLOROBENZENE	0 / 3	1	0	1	1	1
				CHLOROETHANE	0 / 3	1.4	0	1.4	1.4	1.4
				CHLOROFORM	0 / 3	0.9	0	0.9	0.9	0.9
				CHLOROMETHANE	0 / 3	1.3	0	1.3	1.3	1.3
				CIS-1,3-DICHLOROPROPENE	0 / 3	1	0	1	1	1
				DIBROMOCHLOROMETHANE	0 / 3	0.7	0	0.7	0.7	0.7
				ETHYLBENZENE	0 / 3	1.4	0	1.4	1.4	1.4
				METHYLENE CHLORIDE	3 / 3	1.866667	0.152752	2	1.7	2
				O-XYLENE	0 / 3	1.1	0	1.1	1.1	1.1
				STYRENE	0 / 3	0.9	0	0.9	0.9	0.9
				TETRACHLOROETHENE	0 / 3	1.9	0	1.9	1.9	1.9
				TOLUENE	0 / 3	1	0	1	1	1
				TRANS-1,2-DICHLOROETHENE	0 / 3	1.4	0	1.4	1.4	1.4
				TRANS-1,3-DICHLOROPROPEN	0 / 3	1.4	0	1.4	1.4	1.4
				TRICHLOROETHENE	0 / 3	1.2	0	1.2	1.2	1.2
				VINYL ACETATE	0 / 3	1.4	0	1.4	1.4	1.4
				VINYL CHLORIDE	0 / 3	1.7	0	1.7	1.7	1.7
				XYLENES (TOTAL)	0 / 3	2.2	0	2.2	2.2	2.2
				TERT-BUTYL METHYL ETHER	0 / 3	1.25	0	1.25	1.25	1.25
			GENX	PH	3 / 3	7.733333	0.11547	7.8	7.6	7.8000002

Table 4-14
Detailed Point-by-Point Analysis of Marine Life Exposed to Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

								Undiluted			Diluted		
MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	QUALIFIER	CHRONIC-SEV	CONCENTRATION	HQ_CHRONIC	RISK	CONCENTRATION	HQ_CHRONIC	RISK
GW	BEACH	MW47	DISMET	Barium, Dissolved	ug/L	ND	4	1.30E+00	3.25E-01	none	3.51E-02	8.77E-03	none
GW	BEACH	MW47	DISMET	Barium, Dissolved	ug/L	DET	4	3.55E+02	8.88E+01	poss-det	9.59E+00	2.40E+00	poss-det
GW	BEACH	GP415	DISMET	Barium, Dissolved	ug/L	DET	4	5.50E+02	1.38E+02	poss-det	1.49E+01	3.71E+00	poss-det
GW	BEACH	GP417	DISMET	Barium, Dissolved	ug/L	DET	4	7.40E+02	1.85E+02	poss-det	2.00E+01	5.00E+00	poss-det
GW	BEACH	MW47	DISMET	Barium, Dissolved	ug/L	DET	4	8.50E+02	2.13E+02	poss-det	2.30E+01	5.74E+00	poss-det
GW	BEACH	MW47	DISMET	Barium, Dissolved	ug/L	DET	4	9.54E+02	2.39E+02	poss-det	2.58E+01	6.44E+00	poss-det
GW	BEACH	MW47	DISMET	Barium, Dissolved	ug/L	DET	4	1.03E+03	2.58E+02	poss-det	2.78E+01	6.95E+00	poss-det
GW	BEACH	MW47	DISMET	Beryllium, Dissolved	ug/L	ND	0.66	1.36E+00	2.06E+00	poss-ND	3.67E-02	5.56E-02	none
GW	BEACH	MW47	DISMET	Beryllium, Dissolved	ug/L	ND	0.66	4.70E+00	7.12E+00	poss-ND	1.27E-01	1.92E-01	none
GW	BEACH	MW47	DISMET	Beryllium, Dissolved	ug/L	ND	0.66	4.70E+00	7.12E+00	poss-ND	1.27E-01	1.92E-01	none
GW	BEACH	MW47	DISMET	Beryllium, Dissolved	ug/L	ND	0.66	4.70E+00	7.12E+00	poss-ND	1.27E-01	1.92E-01	none
GW	BEACH	MW47	DISMET	Beryllium, Dissolved	ug/L	ND	0.66	4.70E+00	7.12E+00	poss-ND	1.27E-01	1.92E-01	none
GW	BEACH	GP417	DISMET	Beryllium, Dissolved	ug/L	ND	0.66	5.00E+00	7.58E+00	poss-ND	1.35E-01	2.05E-01	none
GW	BEACH	GP415	DISMET	Beryllium, Dissolved	ug/L	ND	0.66	5.00E+00	7.58E+00	poss-ND	1.35E-01	2.05E-01	none
GW	BEACH	MW47	DISMET	Copper, Dissolved	ug/L	ND	3.1	1.32E+00	4.26E-01	none	3.56E-02	1.15E-02	none
GW	BEACH	MW47	DISMET	Copper, Dissolved	ug/L	ND	3.1	2.30E+00	7.42E-01	none	6.21E-02	2.00E-02	none
GW	BEACH	MW47	DISMET	Copper, Dissolved	ug/L	ND	3.1	2.30E+00	7.42E-01	none	6.21E-02	2.00E-02	none
GW	BEACH	MW47	DISMET	Copper, Dissolved	ug/L	ND	3.1	2.30E+00	7.42E-01	none	6.21E-02	2.00E-02	none
GW	BEACH	MW47	DISMET	Copper, Dissolved	ug/L	ND	3.1	2.30E+00	7.42E-01	none	6.21E-02	2.00E-02	none
GW	BEACH	MWWP6	DISMET	Copper, Dissolved	ug/L	ND	3.1	1.00E+01	3.23E+00	poss-ND	2.70E-01	8.71E-02	none
GW	BEACH	GP415	DISMET	Copper, Dissolved	ug/L	ND	3.1	1.00E+01	3.23E+00	poss-ND	2.70E-01	8.71E-02	none
GW	BEACH	GP417	DISMET	Copper, Dissolved	ug/L	DET	3.1	1.10E+01	3.55E+00	poss-det	2.97E-01	9.58E-02	none
GW	BEACH	MW47	DISMET	Iron, Dissolved	ug/L	ND	1000	1.85E+01	1.85E-02	none	5.00E-01	5.00E-04	none
GW	BEACH	MW47	DISMET	Iron, Dissolved	ug/L	DET	1000	2.25E+02	2.25E-01	none	6.08E+00	6.08E-03	none
GW	BEACH	MW47	DISMET	Iron, Dissolved	ug/L	DET	1000	7.85E+02	7.85E-01	none	2.12E+01	2.12E-02	none
GW	BEACH	MW47	DISMET	Iron, Dissolved	ug/L	DET	1000	1.07E+03	1.07E+00	poss-det	2.89E+01	2.89E-02	none
GW	BEACH	MW47	DISMET	Iron, Dissolved	ug/L	DET	1000	1.50E+03	1.50E+00	poss-det	4.05E+01	4.05E-02	none
GW	BEACH	GP415	DISMET	Iron, Dissolved	ug/L	DET	1000	4.70E+03	4.70E+00	poss-det	1.27E+02	1.27E-01	none
GW	BEACH	GP417	DISMET	Iron, Dissolved	ug/L	DET	1000	9.20E+03	9.20E+00	poss-det	2.48E+02	2.48E-01	none
GW	BEACH	MW47	DISMET	Manganese, Dissolved	ug/L	DET	120	2.88E+02	2.40E+00	poss-det	7.78E+00	6.48E-02	none
GW	BEACH	MWWP6	DISMET	Manganese, Dissolved	ug/L	DET	120	3.80E+02	3.17E+00	poss-det	1.03E+01	8.55E-02	none
GW	BEACH	MW47	DISMET	Manganese, Dissolved	ug/L	DET	120	3.93E+02	3.28E+00	poss-det	1.06E+01	8.84E-02	none
GW	BEACH	MW47	DISMET	Manganese, Dissolved	ug/L	DET	120	5.99E+02	4.99E+00	poss-det	1.62E+01	1.35E-01	none
GW	BEACH	MW47	DISMET	Manganese, Dissolved	ug/L	DET	120	6.32E+02	5.27E+00	poss-det	1.71E+01	1.42E-01	none
GW	BEACH	GP417	DISMET	Manganese, Dissolved	ug/L	DET	120	7.50E+02	6.25E+00	poss-det	2.03E+01	1.69E-01	none
GW	BEACH	MW47	DISMET	Manganese, Dissolved	ug/L	DET	120	1.98E+03	1.65E+01	poss-det	5.35E+01	4.46E-01	none
GW	BEACH	GP415	DISMET	Manganese, Dissolved	ug/L	DET	120	4.20E+03	3.50E+01	poss-det	1.13E+02	9.45E-01	none
GW	BEACH	MW47	DISMET	Nickel, Dissolved	ug/L	ND	8.2	1.20E+00	1.46E-01	none	3.24E-02	3.95E-03	none
GW	BEACH	MW47	DISMET	Nickel, Dissolved	ug/L	ND	8.2	1.20E+00	1.46E-01	none	3.24E-02	3.95E-03	none
GW	BEACH	MW47	DISMET	Nickel, Dissolved	ug/L	ND	8.2	1.20E+00	1.46E-01	none	3.24E-02	3.95E-03	none
GW	BEACH	MW47	DISMET	Nickel, Dissolved	ug/L	ND	8.2	1.20E+00	1.46E-01	none	3.24E-02	3.95E-03	none
GW	BEACH	GP417	DISMET	Nickel, Dissolved	ug/L	DET	8.2	2.40E+00	2.93E-01	none	6.48E-02	7.90E-03	none
GW	BEACH	MW47	DISMET	Nickel, Dissolved	ug/L	ND	8.2	5.25E+00	6.40E-01	none	1.42E-01	1.73E-02	none
GW	BEACH	MWWP6	DISMET	Nickel, Dissolved	ug/L	ND	8.2	2.00E+01	2.44E+00	poss-ND	5.40E-01	6.59E-02	none
GW	BEACH	GP415	DISMET	Nickel, Dissolved	ug/L	ND	8.2	4.00E+01	4.88E+00	poss-ND	1.08E+00	1.32E-01	none
GW	BEACH	MW47	DISMET	Silver, Dissolved	ug/L	ND	0.36	7.00E-01	1.94E+00	poss-ND	1.89E-02	5.25E-02	none
GW	BEACH	MW47	DISMET	Silver, Dissolved	ug/L	ND	0.36	7.00E-01	1.94E+00	poss-ND	1.89E-02	5.25E-02	none
GW	BEACH	MW47	DISMET	Silver, Dissolved	ug/L	ND	0.36	7.00E-01	1.94E+00	poss-ND	1.89E-02	5.25E-02	none
GW	BEACH	MW47	DISMET	Silver, Dissolved	ug/L	ND	0.36	7.00E-01	1.94E+00	poss-ND	1.89E-02	5.25E-02	none
GW	BEACH	MWWP6	DISMET	Silver, Dissolved	ug/L	ND	0.36	1.00E+00	2.78E+00	poss-ND	2.70E-02	7.50E-02	none

Table 4-14
Detailed Point-by-Point Analysis of Marine Life Exposed to Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

								Undiluted			Diluted		
MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	QUALIFIER	CHRONIC-SEV	CONCENTRATION	HQ_CHRONIC	RISK	CONCENTRATION	HQ_CHRONIC	RISK
GW	BEACH	MW-47	DISMET	Silver, Dissolved	ug/L	ND	3.60E-01	1.40E+00	3.89E+00	poss-ND	3.78E-02	1.05E-01	none
GW	BEACH	MW-47	DISMET	Silver, Dissolved	ug/L	ND	3.60E-01	1.40E+00	3.89E+00	poss-ND	3.78E-02	1.05E-01	none
GW	BEACH	MW-47	DISMET	Silver, Dissolved	ug/L	ND	3.60E-01	1.40E+00	3.89E+00	poss-ND	3.78E-02	1.05E-01	none
GW	BEACH	MW-47	DISMET	Silver, Dissolved	ug/L	ND	3.60E-01	1.40E+00	3.89E+00	poss-ND	3.78E-02	1.05E-01	none
GW	BEACH	MW47	DISMET	Silver, Dissolved	ug/L	ND	0.36	1.81E+00	5.03E+00	poss-ND	4.89E-02	1.36E-01	none
GW	BEACH	MW-WP-6	DISMET	Silver, Dissolved	ug/L	ND	3.60E-01	2.00E+00	5.56E+00	poss-ND	5.40E-02	1.50E-01	none
GW	BEACH	MW-47	DISMET	Silver, Dissolved	ug/L	ND	3.60E-01	3.62E+00	1.01E+01	poss-ND	9.77E-02	2.71E-01	none
GW	BEACH	MW47	DISMET	Zinc, Dissolved	ug/L	ND	81	1.36E+01	1.68E-01	none	3.67E-01	4.53E-03	none
GW	BEACH	MW47	DISMET	Zinc, Dissolved	ug/L	ND	81	1.37E+01	1.69E-01	none	3.70E-01	4.57E-03	none
GW	BEACH	GP415	DISMET	Zinc, Dissolved	ug/L	DET	81	1.30E+02	1.60E+00	poss-det	3.51E+00	4.33E-02	none
GW	BEACH	MW47	DISMET	Zinc, Dissolved	ug/L	DET	81	1.51E+02	1.86E+00	poss-det	4.08E+00	5.03E-02	none
GW	BEACH	MW47	DISMET	Zinc, Dissolved	ug/L	DET	81	1.64E+02	2.02E+00	poss-det	4.43E+00	5.47E-02	none
GW	BEACH	GP417	DISMET	Zinc, Dissolved	ug/L	DET	81	1.80E+02	2.22E+00	poss-det	4.86E+00	6.00E-02	none
GW	BEACH	MW47	DISMET	Zinc, Dissolved	ug/L	DET	81	1.91E+02	2.36E+00	poss-det	5.16E+00	6.37E-02	none
GW	BEACH	MW-47	GENX	NITRATE AS N	ug/L	ND	6.11E+01	2.60E+01	4.26E-01	none	7.02E-01	1.15E-02	none
GW	BEACH	GP-414	GENX	NITRATE AS N	ug/L	DET	6.11E+01	2.80E+01	4.58E-01	none	7.56E-01	1.24E-02	none
GW	BEACH	MW-47	GENX	NITRATE AS N	ug/L	ND	6.11E+01	3.40E+01	5.56E-01	none	9.18E-01	1.50E-02	none
GW	BEACH	MW-47	GENX	NITRATE AS N	ug/L	ND	6.11E+01	3.40E+01	5.56E-01	none	9.18E-01	1.50E-02	none
GW	BEACH	MW-47	GENX	NITRATE AS N	ug/L	ND	6.11E+01	3.40E+01	5.56E-01	none	9.18E-01	1.50E-02	none
GW	BEACH	MW-47	GENX	NITRATE AS N	ug/L	ND	6.11E+01	6.00E+01	9.82E-01	none	1.62E+00	2.65E-02	none
GW	BEACH	MW-WP-6	GENX	NITRATE AS N	ug/L	DET	6.11E+01	1.20E+02	1.96E+00	poss-det	3.24E+00	5.30E-02	none
GW	BEACH	GP-417	GENX	NITRATE AS N	ug/L	ND	6.11E+01	2.00E+02	3.27E+00	poss-ND	5.40E+00	8.84E-02	none
GW	BEACH	GP-415	GENX	NITRATE AS N	ug/L	ND	6.11E+01	2.00E+02	3.27E+00	poss-ND	5.40E+00	8.84E-02	none
GW	BEACH	MW-47	GENX	NITRITE AS N	ug/L	ND	6.11E+01	2.50E+01	4.09E-01	none	6.75E-01	1.10E-02	none
GW	BEACH	MW-47	GENX	NITRITE AS N	ug/L	ND	6.11E+01	2.50E+01	4.09E-01	none	6.75E-01	1.10E-02	none
GW	BEACH	MW-47	GENX	NITRITE AS N	ug/L	ND	6.11E+01	2.50E+01	4.09E-01	none	6.75E-01	1.10E-02	none
GW	BEACH	MW-47	GENX	NITRITE AS N	ug/L	ND	6.11E+01	3.00E+01	4.91E-01	none	8.10E-01	1.33E-02	none
GW	BEACH	MW-47	GENX	NITRITE AS N	ug/L	ND	6.11E+01	3.20E+01	5.24E-01	none	8.64E-01	1.41E-02	none
GW	BEACH	GP-414	GENX	NITRITE AS N	ug/L	ND	6.11E+01	2.00E+02	3.27E+00	poss-ND	5.40E+00	8.84E-02	none
GW	BEACH	GP-417	GENX	NITRITE AS N	ug/L	ND	6.11E+01	2.00E+02	3.27E+00	poss-ND	5.40E+00	8.84E-02	none
GW	BEACH	GP-415	GENX	NITRITE AS N	ug/L	ND	6.11E+01	2.00E+02	3.27E+00	poss-ND	5.40E+00	8.84E-02	none
GW	BEACH	MW-WP-6	GENX	NITROGEN,TOTAL	ug/L	DET	6.11E+01	2.35E+03	3.85E+01	poss-det	6.35E+01	1.03E+00	poss-det
GW	BEACH	GP-417	GENX	Nitrogen-TKN	ug/L	DET	2.33E+02	3.50E+02	1.50E+00	poss-det	9.45E+00	4.06E-02	none
GW	BEACH	MW-47	GENX	Nitrogen-TKN	ug/L	DET	2.33E+02	3.80E+02	1.63E+00	poss-det	1.03E+01	4.40E-02	none
GW	BEACH	MW-47	GENX	Nitrogen-TKN	ug/L	ND	2.33E+02	5.60E+02	2.40E+00	poss-ND	1.51E+01	6.49E-02	none
GW	BEACH	MW-47	GENX	Nitrogen-TKN	ug/L	ND	2.33E+02	5.88E+02	2.52E+00	poss-ND	1.59E+01	6.81E-02	none
GW	BEACH	MW-47	GENX	Nitrogen-TKN	ug/L	DET	2.33E+02	7.00E+02	3.00E+00	poss-det	1.89E+01	8.11E-02	none
GW	BEACH	GP-415	GENX	Nitrogen-TKN	ug/L	DET	2.33E+02	2.60E+03	1.12E+01	poss-det	7.02E+01	3.01E-01	none
GW	BEACH	MW-47	GENX	Nitrogen-TKN	ug/L	DET	2.33E+02	3.90E+03	1.67E+01	poss-det	1.05E+02	4.52E-01	none
GW	BEACH	MW-WP-6	GENX	PHOSPHORUS	ug/L	DET	1.00E-01	5.80E+02	5.80E+03	poss-det	1.57E+01	1.57E+02	poss-det
GW	BEACH	GP-417	GENX	PHOSPHORUS	ug/L	DET	1.00E-01	9.80E+02	9.80E+03	poss-det	2.65E+01	2.65E+02	poss-det
GW	BEACH	GP-415	GENX	PHOSPHORUS	ug/L	DET	1.00E-01	1.90E+03	1.90E+04	poss-det	5.13E+01	5.13E+02	poss-det
GW	BEACH	MW-47	GENX	PHOSPHORUS,TOTAL	ug/L	ND	1.40E+01	1.40E+02	1.00E+01	poss-ND	3.78E+00	2.70E-01	none
GW	BEACH	MW-47	GENX	PHOSPHORUS,TOTAL	ug/L	DET	1.40E+01	2.00E+02	1.43E+01	poss-det	5.40E+00	3.86E-01	none
GW	BEACH	MW-47	GENX	PHOSPHORUS,TOTAL	ug/L	DET	1.40E+01	3.50E+02	2.50E+01	poss-det	9.45E+00	6.75E-01	none
GW	BEACH	MW-47	GENX	PHOSPHORUS,TOTAL	ug/L	DET	1.40E+01	1.80E+03	1.29E+02	poss-det	4.86E+01	3.47E+00	poss-det
GW	BEACH	MW-47	GENX	PHOSPHORUS,TOTAL	ug/L	DET	1.40E+01	3.80E+03	2.71E+02	poss-det	1.03E+02	7.33E+00	poss-det
GW	BEACH	MW47	SVOC	2,4,6-Trichlorophenol	ug/L	ND	4.9	5.90E-01	1.20E-01	none	1.59E-02	3.25E-03	none
GW	BEACH	MW47	SVOC	2,4,6-Trichlorophenol	ug/L	ND	4.9	5.90E-01	1.20E-01	none	1.59E-02	3.25E-03	none
GW	BEACH	MW47	SVOC	2,4,6-Trichlorophenol	ug/L	ND	4.9	1.52E+00	3.10E-01	none	4.10E-02	8.38E-03	none

Table 4-14
Detailed Point-by-Point Analysis of Marine Life Exposed to Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

								Undiluted			Diluted		
MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	QUALIFIER	CHRONIC-SEV	CONCENTRATION	HQ_CHRONIC	RISK	CONCENTRATION	HQ_CHRONIC	RISK
GW	BEACH	MW47	SVOC	2,4,6-Trichlorophenol	ug/L	ND	4.9	6.40E+00	1.31E+00	poss-ND	1.73E-01	3.53E-02	none
GW	BEACH	MW47	SVOC	2,4,6-Trichlorophenol	ug/L	ND	4.9	6.40E+00	1.31E+00	poss-ND	1.73E-01	3.53E-02	none
GW	BEACH	GP414	SVOC	2,4,6-Trichlorophenol	ug/L	ND	4.9	1.00E+01	2.04E+00	poss-ND	2.70E-01	5.51E-02	none
GW	BEACH	GP417	SVOC	2,4,6-Trichlorophenol	ug/L	ND	4.9	1.00E+01	2.04E+00	poss-ND	2.70E-01	5.51E-02	none
GW	BEACH	GP415	SVOC	2,4,6-Trichlorophenol	ug/L	ND	4.9	1.00E+01	2.04E+00	poss-ND	2.70E-01	5.51E-02	none
GW	BEACH	MW47	SVOC	2,4-Dinitrophenol	ug/L	ND	19	1.36E+00	7.16E-02	none	3.67E-02	1.93E-03	none
GW	BEACH	MW47	SVOC	2,4-Dinitrophenol	ug/L	ND	19	1.36E+00	7.16E-02	none	3.67E-02	1.93E-03	none
GW	BEACH	MW47	SVOC	2,4-Dinitrophenol	ug/L	ND	19	1.70E+00	8.95E-02	none	4.59E-02	2.42E-03	none
GW	BEACH	MW47	SVOC	2,4-Dinitrophenol	ug/L	ND	19	2.10E+00	1.11E-01	none	5.67E-02	2.98E-03	none
GW	BEACH	MW47	SVOC	2,4-Dinitrophenol	ug/L	ND	19	2.10E+00	1.11E-01	none	5.67E-02	2.98E-03	none
GW	BEACH	GP414	SVOC	2,4-Dinitrophenol	ug/L	ND	19	5.00E+01	2.63E+00	poss-ND	1.35E+00	7.11E-02	none
GW	BEACH	GP417	SVOC	2,4-Dinitrophenol	ug/L	ND	19	5.00E+01	2.63E+00	poss-ND	1.35E+00	7.11E-02	none
GW	BEACH	GP415	SVOC	2,4-Dinitrophenol	ug/L	ND	19	5.00E+01	2.63E+00	poss-ND	1.35E+00	7.11E-02	none
GW	BEACH	MW47	SVOC	2-Chloronaphthalene	ug/L	ND	0.396	3.75E-01	9.47E-01	none	1.01E-02	2.56E-02	none
GW	BEACH	MW47	SVOC	2-Chloronaphthalene	ug/L	ND	0.396	3.75E-01	9.47E-01	none	1.01E-02	2.56E-02	none
GW	BEACH	MW47	SVOC	2-Chloronaphthalene	ug/L	ND	0.396	1.25E+00	3.16E+00	poss-ND	3.38E-02	8.52E-02	none
GW	BEACH	MW47	SVOC	2-Chloronaphthalene	ug/L	ND	0.396	2.20E+00	5.56E+00	poss-ND	5.94E-02	1.50E-01	none
GW	BEACH	MW47	SVOC	2-Chloronaphthalene	ug/L	ND	0.396	2.20E+00	5.56E+00	poss-ND	5.94E-02	1.50E-01	none
GW	BEACH	GP414	SVOC	2-Chloronaphthalene	ug/L	ND	0.396	1.00E+01	2.53E+01	poss-ND	2.70E-01	6.82E-01	none
GW	BEACH	GP417	SVOC	2-Chloronaphthalene	ug/L	ND	0.396	1.00E+01	2.53E+01	poss-ND	2.70E-01	6.82E-01	none
GW	BEACH	GP415	SVOC	2-Chloronaphthalene	ug/L	ND	0.396	1.00E+01	2.53E+01	poss-ND	2.70E-01	6.82E-01	none
GW	BEACH	MW47	SVOC	3,3'-Dichlorobenzidine	ug/L	ND	4.5	2.57E+00	5.71E-01	none	6.94E-02	1.54E-02	none
GW	BEACH	MW47	SVOC	3,3'-Dichlorobenzidine	ug/L	ND	4.5	2.57E+00	5.71E-01	none	6.94E-02	1.54E-02	none
GW	BEACH	MW47	SVOC	3,3'-Dichlorobenzidine	ug/L	ND	4.5	3.19E+00	7.09E-01	none	8.61E-02	1.91E-02	none
GW	BEACH	MW47	SVOC	3,3'-Dichlorobenzidine	ug/L	ND	4.5	4.30E+00	9.56E-01	none	1.16E-01	2.58E-02	none
GW	BEACH	MW47	SVOC	3,3'-Dichlorobenzidine	ug/L	ND	4.5	4.30E+00	9.56E-01	none	1.16E-01	2.58E-02	none
GW	BEACH	GP414	SVOC	3,3'-Dichlorobenzidine	ug/L	ND	4.5	5.00E+01	1.11E+01	poss-ND	1.35E+00	3.00E-01	none
GW	BEACH	GP415	SVOC	3,3'-Dichlorobenzidine	ug/L	ND	4.5	5.00E+01	1.11E+01	poss-ND	1.35E+00	3.00E-01	none
GW	BEACH	GP417	SVOC	3,3'-Dichlorobenzidine	ug/L	ND	4.5	5.00E+01	1.11E+01	poss-ND	1.35E+00	3.00E-01	none
GW	BEACH	MW47	SVOC	4,6-Dinitro-2-methylphenol	ug/L	ND	23	1.00E+00	4.35E-02	none	2.70E-02	1.17E-03	none
GW	BEACH	MW47	SVOC	4,6-Dinitro-2-methylphenol	ug/L	ND	23	1.00E+00	4.35E-02	none	2.70E-02	1.17E-03	none
GW	BEACH	MW47	SVOC	4,6-Dinitro-2-methylphenol	ug/L	ND	23	1.67E+00	7.26E-02	none	4.51E-02	1.96E-03	none
GW	BEACH	MW47	SVOC	4,6-Dinitro-2-methylphenol	ug/L	ND	23	5.20E+00	2.26E-01	none	1.40E-01	6.10E-03	none
GW	BEACH	MW47	SVOC	4,6-Dinitro-2-methylphenol	ug/L	ND	23	5.20E+00	2.26E-01	none	1.40E-01	6.10E-03	none
GW	BEACH	GP414	SVOC	4,6-Dinitro-2-methylphenol	ug/L	ND	23	5.00E+01	2.17E+00	poss-ND	1.35E+00	5.87E-02	none
GW	BEACH	GP415	SVOC	4,6-Dinitro-2-methylphenol	ug/L	ND	23	5.00E+01	2.17E+00	poss-ND	1.35E+00	5.87E-02	none
GW	BEACH	GP417	SVOC	4,6-Dinitro-2-methylphenol	ug/L	ND	23	5.00E+01	2.17E+00	poss-ND	1.35E+00	5.87E-02	none
GW	BEACH	MW47	SVOC	4-Bromophenyl phenylether	ug/L	ND	1.5	4.42E-01	2.95E-01	none	1.19E-02	7.96E-03	none
GW	BEACH	MW47	SVOC	4-Bromophenyl phenylether	ug/L	ND	1.5	4.42E-01	2.95E-01	none	1.19E-02	7.96E-03	none
GW	BEACH	MW47	SVOC	4-Bromophenyl phenylether	ug/L	ND	1.5	1.53E+00	1.02E+00	poss-ND	4.13E-02	2.75E-02	none
GW	BEACH	MW47	SVOC	4-Bromophenyl phenylether	ug/L	ND	1.5	3.10E+00	2.07E+00	poss-ND	8.37E-02	5.58E-02	none
GW	BEACH	MW47	SVOC	4-Bromophenyl phenylether	ug/L	ND	1.5	3.10E+00	2.07E+00	poss-ND	8.37E-02	5.58E-02	none
GW	BEACH	GP414	SVOC	4-Bromophenyl phenylether	ug/L	ND	1.5	1.00E+01	6.67E+00	poss-ND	2.70E-01	1.80E-01	none
GW	BEACH	GP415	SVOC	4-Bromophenyl phenylether	ug/L	ND	1.5	1.00E+01	6.67E+00	poss-ND	2.70E-01	1.80E-01	none
GW	BEACH	GP417	SVOC	4-Bromophenyl phenylether	ug/L	ND	1.5	1.00E+01	6.67E+00	poss-ND	2.70E-01	1.80E-01	none
GW	BEACH	MW47	SVOC	4-Chlorophenyl-phenylether	ug/L	ND	1.5	3.52E-01	2.35E-01	none	9.50E-03	6.34E-03	none
GW	BEACH	MW47	SVOC	4-Chlorophenyl-phenylether	ug/L	ND	1.5	3.52E-01	2.35E-01	none	9.50E-03	6.34E-03	none
GW	BEACH	MW47	SVOC	4-Chlorophenyl-phenylether	ug/L	ND	1.5	1.71E+00	1.14E+00	poss-ND	4.62E-02	3.08E-02	none
GW	BEACH	MW47	SVOC	4-Chlorophenyl-phenylether	ug/L	ND	1.5	2.00E+00	1.33E+00	poss-ND	5.40E-02	3.60E-02	none
GW	BEACH	MW47	SVOC	4-Chlorophenyl-phenylether	ug/L	ND	1.5	2.00E+00	1.33E+00	poss-ND	5.40E-02	3.60E-02	none

Table 4-14
Detailed Point-by-Point Analysis of Marine Life Exposed to Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

								Undiluted			Diluted		
MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	QUALIFIER	CHRONIC-SEV	CONCENTRATION	HQ_CHRONIC	RISK	CONCENTRATION	HQ_CHRONIC	RISK
GW	BEACH	GP414	SVOC	4-Chlorophenyl-phenylether	ug/L	ND	1.5	1.00E+01	6.67E+00	poss-ND	2.70E-01	1.80E-01	none
GW	BEACH	GP415	SVOC	4-Chlorophenyl-phenylether	ug/L	ND	1.5	1.00E+01	6.67E+00	poss-ND	2.70E-01	1.80E-01	none
GW	BEACH	GP417	SVOC	4-Chlorophenyl-phenylether	ug/L	ND	1.5	1.00E+01	6.67E+00	poss-ND	2.70E-01	1.80E-01	none
GW	BEACH	MW47	SVOC	7,12-Dimethylbenz(a)anthracene	ug/L	ND	0.548	1.80E+00	3.28E+00	poss-ND	4.86E-02	8.87E-02	none
GW	BEACH	MW47	SVOC	7,12-Dimethylbenz(a)anthracene	ug/L	ND	0.548	1.80E+00	3.28E+00	poss-ND	4.86E-02	8.87E-02	none
GW	BEACH	MW47	SVOC	7,12-Dimethylbenz(a)anthracene	ug/L	ND	0.548	1.80E+00	3.28E+00	poss-ND	4.86E-02	8.87E-02	none
GW	BEACH	MW47	SVOC	7,12-Dimethylbenz(a)anthracene	ug/L	ND	0.548	6.10E+00	1.11E+01	poss-ND	1.65E-01	3.01E-01	none
GW	BEACH	MW47	SVOC	7,12-Dimethylbenz(a)anthracene	ug/L	ND	0.548	6.10E+00	1.11E+01	poss-ND	1.65E-01	3.01E-01	none
GW	BEACH	MW47	SVOC	Anthracene	ug/L	ND	0.035	3.60E-01	1.03E+01	poss-ND	9.72E-03	2.78E-01	none
GW	BEACH	MW47	SVOC	Anthracene	ug/L	ND	0.035	3.60E-01	1.03E+01	poss-ND	9.72E-03	2.78E-01	none
GW	BEACH	MW47	SVOC	Anthracene	ug/L	ND	0.035	1.34E+00	3.83E+01	poss-ND	3.62E-02	1.03E+00	poss-ND
GW	BEACH	MW47	SVOC	Anthracene	ug/L	ND	0.035	2.00E+00	5.71E+01	poss-ND	5.40E-02	1.54E+00	poss-ND
GW	BEACH	MW47	SVOC	Anthracene	ug/L	ND	0.035	2.00E+00	5.71E+01	poss-ND	5.40E-02	1.54E+00	poss-ND
GW	BEACH	GP414	SVOC	Anthracene	ug/L	ND	0.035	1.00E+01	2.86E+02	poss-ND	2.70E-01	7.71E+00	poss-ND
GW	BEACH	GP415	SVOC	Anthracene	ug/L	ND	0.035	1.00E+01	2.86E+02	poss-ND	2.70E-01	7.71E+00	poss-ND
GW	BEACH	GP417	SVOC	Anthracene	ug/L	ND	0.035	1.00E+01	2.86E+02	poss-ND	2.70E-01	7.71E+00	poss-ND
GW	BEACH	MW47	SVOC	Benzo(a)anthracene	ug/L	ND	0.025	5.60E-01	2.24E+01	poss-ND	1.51E-02	6.05E-01	none
GW	BEACH	MW47	SVOC	Benzo(a)anthracene	ug/L	ND	0.025	5.60E-01	2.24E+01	poss-ND	1.51E-02	6.05E-01	none
GW	BEACH	MW47	SVOC	Benzo(a)anthracene	ug/L	ND	0.025	1.40E+00	5.60E+01	poss-ND	3.78E-02	1.51E+00	poss-ND
GW	BEACH	MW47	SVOC	Benzo(a)anthracene	ug/L	ND	0.025	1.90E+00	7.60E+01	poss-ND	5.13E-02	2.05E+00	poss-ND
GW	BEACH	MW47	SVOC	Benzo(a)anthracene	ug/L	ND	0.025	1.90E+00	7.60E+01	poss-ND	5.13E-02	2.05E+00	poss-ND
GW	BEACH	GP414	SVOC	Benzo(a)anthracene	ug/L	ND	0.025	1.00E+01	4.00E+02	poss-ND	2.70E-01	1.08E+01	poss-ND
GW	BEACH	GP415	SVOC	Benzo(a)anthracene	ug/L	ND	0.025	1.00E+01	4.00E+02	poss-ND	2.70E-01	1.08E+01	poss-ND
GW	BEACH	GP417	SVOC	Benzo(a)anthracene	ug/L	ND	0.025	1.00E+01	4.00E+02	poss-ND	2.70E-01	1.08E+01	poss-ND
GW	BEACH	MW47	SVOC	Benzo(a)pyrene	ug/L	ND	0.014	5.00E-01	3.57E+01	poss-ND	1.35E-02	9.64E-01	none
GW	BEACH	MW47	SVOC	Benzo(a)pyrene	ug/L	ND	0.014	5.00E-01	3.57E+01	poss-ND	1.35E-02	9.64E-01	none
GW	BEACH	MW47	SVOC	Benzo(a)pyrene	ug/L	ND	0.014	1.33E+00	9.50E+01	poss-ND	3.59E-02	2.57E+00	poss-ND
GW	BEACH	MW47	SVOC	Benzo(a)pyrene	ug/L	ND	0.014	1.70E+00	1.21E+02	poss-ND	4.59E-02	3.28E+00	poss-ND
GW	BEACH	MW47	SVOC	Benzo(a)pyrene	ug/L	ND	0.014	1.70E+00	1.21E+02	poss-ND	4.59E-02	3.28E+00	poss-ND
GW	BEACH	GP414	SVOC	Benzo(a)pyrene	ug/L	ND	0.014	1.00E+01	7.14E+02	poss-ND	2.70E-01	1.93E+01	poss-ND
GW	BEACH	GP415	SVOC	Benzo(a)pyrene	ug/L	ND	0.014	1.00E+01	7.14E+02	poss-ND	2.70E-01	1.93E+01	poss-ND
GW	BEACH	GP417	SVOC	Benzo(a)pyrene	ug/L	ND	0.014	1.00E+01	7.14E+02	poss-ND	2.70E-01	1.93E+01	poss-ND
GW	BEACH	MW47	SVOC	Benzo(b)fluoranthene	ug/L	ND	9.07	5.50E-01	6.06E-02	none	1.49E-02	1.64E-03	none
GW	BEACH	MW47	SVOC	Benzo(b)fluoranthene	ug/L	ND	9.07	5.50E-01	6.06E-02	none	1.49E-02	1.64E-03	none
GW	BEACH	MW47	SVOC	Benzo(b)fluoranthene	ug/L	ND	9.07	1.61E+00	1.78E-01	none	4.35E-02	4.79E-03	none
GW	BEACH	MW47	SVOC	Benzo(b)fluoranthene	ug/L	ND	9.07	1.90E+00	2.09E-01	none	5.13E-02	5.66E-03	none
GW	BEACH	MW47	SVOC	Benzo(b)fluoranthene	ug/L	ND	9.07	1.90E+00	2.09E-01	none	5.13E-02	5.66E-03	none
GW	BEACH	GP414	SVOC	Benzo(b)fluoranthene	ug/L	ND	9.07	1.00E+01	1.10E+00	poss-ND	2.70E-01	2.98E-02	none
GW	BEACH	GP417	SVOC	Benzo(b)fluoranthene	ug/L	ND	9.07	1.00E+01	1.10E+00	poss-ND	2.70E-01	2.98E-02	none
GW	BEACH	GP415	SVOC	Benzo(b)fluoranthene	ug/L	ND	9.07	1.00E+01	1.10E+00	poss-ND	2.70E-01	2.98E-02	none
GW	BEACH	MW47	SVOC	Benzo(g,h,i)perylene	ug/L	ND	7.64	5.20E-01	6.81E-02	none	1.40E-02	1.84E-03	none
GW	BEACH	MW47	SVOC	Benzo(g,h,i)perylene	ug/L	ND	7.64	5.20E-01	6.81E-02	none	1.40E-02	1.84E-03	none
GW	BEACH	MW47	SVOC	Benzo(g,h,i)perylene	ug/L	ND	7.64	1.50E+00	1.96E-01	none	4.05E-02	5.30E-03	none
GW	BEACH	MW47	SVOC	Benzo(g,h,i)perylene	ug/L	ND	7.64	1.50E+00	1.96E-01	none	4.05E-02	5.30E-03	none
GW	BEACH	MW47	SVOC	Benzo(g,h,i)perylene	ug/L	ND	7.64	2.50E+00	3.27E-01	none	6.75E-02	8.84E-03	none
GW	BEACH	GP414	SVOC	Benzo(g,h,i)perylene	ug/L	ND	7.64	1.00E+01	1.31E+00	poss-ND	2.70E-01	3.53E-02	none
GW	BEACH	GP415	SVOC	Benzo(g,h,i)perylene	ug/L	ND	7.64	1.00E+01	1.31E+00	poss-ND	2.70E-01	3.53E-02	none
GW	BEACH	GP417	SVOC	Benzo(g,h,i)perylene	ug/L	ND	7.64	1.00E+01	1.31E+00	poss-ND	2.70E-01	3.53E-02	none
GW	BEACH	MW47	SVOC	Benzo(k)fluoranthene	ug/L	ND	9.07	4.40E-01	4.85E-02	none	1.19E-02	1.31E-03	none
GW	BEACH	MW47	SVOC	Benzo(k)fluoranthene	ug/L	ND	9.07	4.40E-01	4.85E-02	none	1.19E-02	1.31E-03	none

Table 4-14
Detailed Point-by-Point Analysis of Marine Life Exposed to Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

								Undiluted			Diluted		
MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	QUALIFIER	CHRONIC-SEV	CONCENTRATION	HQ_CHRONIC	RISK	CONCENTRATION	HQ_CHRONIC	RISK
GW	BEACH	MW47	SVOC	Benzo(k)fluoranthene	ug/L	ND	9.07	1.83E+00	2.02E-01	none	4.94E-02	5.45E-03	none
GW	BEACH	MW47	SVOC	Benzo(k)fluoranthene	ug/L	ND	9.07	2.50E+00	2.76E-01	none	6.75E-02	7.44E-03	none
GW	BEACH	MW47	SVOC	Benzo(k)fluoranthene	ug/L	ND	9.07	2.50E+00	2.76E-01	none	6.75E-02	7.44E-03	none
GW	BEACH	GP414	SVOC	Benzo(k)fluoranthene	ug/L	ND	9.07	1.00E+01	1.10E+00	poss-ND	2.70E-01	2.98E-02	none
GW	BEACH	GP415	SVOC	Benzo(k)fluoranthene	ug/L	ND	9.07	1.00E+01	1.10E+00	poss-ND	2.70E-01	2.98E-02	none
GW	BEACH	GP417	SVOC	Benzo(k)fluoranthene	ug/L	ND	9.07	1.00E+01	1.10E+00	poss-ND	2.70E-01	2.98E-02	none
GW	BEACH	MW47	SVOC	Benzoic acid	ug/L	ND	42	2.50E+00	5.95E-02	none	6.75E-02	1.61E-03	none
GW	BEACH	MW47	SVOC	Benzoic acid	ug/L	ND	42	2.50E+00	5.95E-02	none	6.75E-02	1.61E-03	none
GW	BEACH	MW47	SVOC	Benzoic acid	ug/L	ND	42	2.50E+00	5.95E-02	none	6.75E-02	1.61E-03	none
GW	BEACH	MW47	SVOC	Benzoic acid	ug/L	ND	42	2.50E+00	5.95E-02	none	6.75E-02	1.61E-03	none
GW	BEACH	MW47	SVOC	Benzoic acid	ug/L	ND	42	2.50E+00	5.95E-02	none	6.75E-02	1.61E-03	none
GW	BEACH	GP414	SVOC	Benzoic acid	ug/L	ND	42	5.00E+01	1.19E+00	poss-ND	1.35E+00	3.21E-02	none
GW	BEACH	GP415	SVOC	Benzoic acid	ug/L	ND	42	5.00E+01	1.19E+00	poss-ND	1.35E+00	3.21E-02	none
GW	BEACH	GP417	SVOC	Benzoic acid	ug/L	ND	42	5.00E+01	1.19E+00	poss-ND	1.35E+00	3.21E-02	none
GW	BEACH	MW47	SVOC	Benzyl alcohol	ug/L	ND	8.6	1.70E+00	1.98E-01	none	4.59E-02	5.34E-03	none
GW	BEACH	MW47	SVOC	Benzyl alcohol	ug/L	ND	8.6	1.70E+00	1.98E-01	none	4.59E-02	5.34E-03	none
GW	BEACH	MW47	SVOC	Benzyl alcohol	ug/L	ND	8.6	1.70E+00	1.98E-01	none	4.59E-02	5.34E-03	none
GW	BEACH	MW47	SVOC	Benzyl alcohol	ug/L	ND	8.6	1.70E+00	1.98E-01	none	4.59E-02	5.34E-03	none
GW	BEACH	MW47	SVOC	Benzyl alcohol	ug/L	ND	8.6	1.70E+00	1.98E-01	none	4.59E-02	5.34E-03	none
GW	BEACH	GP414	SVOC	Benzyl alcohol	ug/L	ND	8.6	1.00E+01	1.16E+00	poss-ND	2.70E-01	3.14E-02	none
GW	BEACH	GP415	SVOC	Benzyl alcohol	ug/L	ND	8.6	1.00E+01	1.16E+00	poss-ND	2.70E-01	3.14E-02	none
GW	BEACH	GP417	SVOC	Benzyl alcohol	ug/L	ND	8.6	1.00E+01	1.16E+00	poss-ND	2.70E-01	3.14E-02	none
GW	BEACH	MW47	SVOC	Butylbenzyl phthalate	ug/L	ND	3.4	9.76E-01	2.87E-01	none	2.64E-02	7.75E-03	none
GW	BEACH	MW47	SVOC	Butylbenzyl phthalate	ug/L	ND	3.4	9.76E-01	2.87E-01	none	2.64E-02	7.75E-03	none
GW	BEACH	MW47	SVOC	Butylbenzyl phthalate	ug/L	ND	3.4	1.70E+00	5.00E-01	none	4.59E-02	1.35E-02	none
GW	BEACH	MW47	SVOC	Butylbenzyl phthalate	ug/L	ND	3.4	1.70E+00	5.00E-01	none	4.59E-02	1.35E-02	none
GW	BEACH	MW47	SVOC	Butylbenzyl phthalate	ug/L	ND	3.4	1.94E+00	5.71E-01	none	5.24E-02	1.54E-02	none
GW	BEACH	GP414	SVOC	Butylbenzyl phthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	GP415	SVOC	Butylbenzyl phthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	GP417	SVOC	Butylbenzyl phthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	MW47	SVOC	Chrysene	ug/L	ND	0.014	1.48E+00	1.06E+02	poss-ND	4.00E-02	2.85E+00	poss-ND
GW	BEACH	MW47	SVOC	Chrysene	ug/L	ND	0.014	1.90E+00	1.36E+02	poss-ND	5.13E-02	3.66E+00	poss-ND
GW	BEACH	MW47	SVOC	Chrysene	ug/L	ND	0.014	1.90E+00	1.36E+02	poss-ND	5.13E-02	3.66E+00	poss-ND
GW	BEACH	MW47	SVOC	Chrysene	ug/L	ND	0.014	1.90E+00	1.36E+02	poss-ND	5.13E-02	3.66E+00	poss-ND
GW	BEACH	MW47	SVOC	Chrysene	ug/L	ND	0.014	1.90E+00	1.36E+02	poss-ND	5.13E-02	3.66E+00	poss-ND
GW	BEACH	GP414	SVOC	Chrysene	ug/L	ND	0.014	1.00E+01	7.14E+02	poss-ND	2.70E-01	1.93E+01	poss-ND
GW	BEACH	GP415	SVOC	Chrysene	ug/L	ND	0.014	1.00E+01	7.14E+02	poss-ND	2.70E-01	1.93E+01	poss-ND
GW	BEACH	GP417	SVOC	Chrysene	ug/L	ND	0.014	1.00E+01	7.14E+02	poss-ND	2.70E-01	1.93E+01	poss-ND
GW	BEACH	MW47	SVOC	Dibenz(a,h)anthracene	ug/L	ND	0.014	5.50E-01	3.93E+01	poss-ND	1.49E-02	1.06E+00	poss-ND
GW	BEACH	MW47	SVOC	Dibenz(a,h)anthracene	ug/L	ND	0.014	5.50E-01	3.93E+01	poss-ND	1.49E-02	1.06E+00	poss-ND
GW	BEACH	MW47	SVOC	Dibenz(a,h)anthracene	ug/L	ND	0.014	1.70E+00	1.21E+02	poss-ND	4.59E-02	3.28E+00	poss-ND
GW	BEACH	MW47	SVOC	Dibenz(a,h)anthracene	ug/L	ND	0.014	1.70E+00	1.21E+02	poss-ND	4.59E-02	3.28E+00	poss-ND
GW	BEACH	MW47	SVOC	Dibenz(a,h)anthracene	ug/L	ND	0.014	1.90E+00	1.36E+02	poss-ND	5.13E-02	3.66E+00	poss-ND
GW	BEACH	GP414	SVOC	Dibenz(a,h)anthracene	ug/L	ND	0.014	1.00E+01	7.14E+02	poss-ND	2.70E-01	1.93E+01	poss-ND
GW	BEACH	GP415	SVOC	Dibenz(a,h)anthracene	ug/L	ND	0.014	1.00E+01	7.14E+02	poss-ND	2.70E-01	1.93E+01	poss-ND
GW	BEACH	GP417	SVOC	Dibenz(a,h)anthracene	ug/L	ND	0.014	1.00E+01	7.14E+02	poss-ND	2.70E-01	1.93E+01	poss-ND
GW	BEACH	MW47	SVOC	Dibenzofuran	ug/L	ND	4	3.43E-01	8.57E-02	none	9.26E-03	2.32E-03	none
GW	BEACH	MW47	SVOC	Dibenzofuran	ug/L	ND	4	3.43E-01	8.57E-02	none	9.26E-03	2.32E-03	none
GW	BEACH	MW47	SVOC	Dibenzofuran	ug/L	ND	4	1.40E+00	3.50E-01	none	3.78E-02	9.45E-03	none
GW	BEACH	MW47	SVOC	Dibenzofuran	ug/L	ND	4	1.40E+00	3.50E-01	none	3.78E-02	9.45E-03	none

Table 4-14
Detailed Point-by-Point Analysis of Marine Life Exposed to Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

								Undiluted			Diluted		
MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	QUALIFIER	CHRONIC-SEV	CONCENTRATION	HQ_CHRONIC	RISK	CONCENTRATION	HQ_CHRONIC	RISK
GW	BEACH	MW47	SVOC	Dibenzofuran	ug/L	ND	4	1.54E+00	3.85E-01	none	4.16E-02	1.04E-02	none
GW	BEACH	GP414	SVOC	Dibenzofuran	ug/L	ND	4	1.00E+01	2.50E+00	poss-ND	2.70E-01	6.75E-02	none
GW	BEACH	GP415	SVOC	Dibenzofuran	ug/L	ND	4	1.00E+01	2.50E+00	poss-ND	2.70E-01	6.75E-02	none
GW	BEACH	GP417	SVOC	Dibenzofuran	ug/L	ND	4	1.00E+01	2.50E+00	poss-ND	2.70E-01	6.75E-02	none
GW	BEACH	MW47	SVOC	Diethylphthalate	ug/L	ND	3.4	8.51E-01	2.50E-01	none	2.30E-02	6.76E-03	none
GW	BEACH	MW47	SVOC	Diethylphthalate	ug/L	ND	3.4	8.51E-01	2.50E-01	none	2.30E-02	6.76E-03	none
GW	BEACH	MW47	SVOC	Diethylphthalate	ug/L	ND	3.4	1.81E+00	5.32E-01	none	4.89E-02	1.44E-02	none
GW	BEACH	MW47	SVOC	Diethylphthalate	ug/L	ND	3.4	2.30E+00	6.76E-01	none	6.21E-02	1.83E-02	none
GW	BEACH	MW47	SVOC	Diethylphthalate	ug/L	ND	3.4	2.30E+00	6.76E-01	none	6.21E-02	1.83E-02	none
GW	BEACH	GP414	SVOC	Diethylphthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	GP415	SVOC	Diethylphthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	GP417	SVOC	Diethylphthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	MW47	SVOC	Dimethylphthalate	ug/L	ND	3.4	4.30E-01	1.26E-01	none	1.16E-02	3.41E-03	none
GW	BEACH	MW47	SVOC	Dimethylphthalate	ug/L	ND	3.4	4.30E-01	1.26E-01	none	1.16E-02	3.41E-03	none
GW	BEACH	MW47	SVOC	Dimethylphthalate	ug/L	ND	3.4	1.70E+00	5.00E-01	none	4.59E-02	1.35E-02	none
GW	BEACH	MW47	SVOC	Dimethylphthalate	ug/L	ND	3.4	2.20E+00	6.47E-01	none	5.94E-02	1.75E-02	none
GW	BEACH	MW47	SVOC	Dimethylphthalate	ug/L	ND	3.4	2.20E+00	6.47E-01	none	5.94E-02	1.75E-02	none
GW	BEACH	GP414	SVOC	Dimethylphthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	GP415	SVOC	Dimethylphthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	GP417	SVOC	Dimethylphthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	MW47	SVOC	Di-n-butylphthalate	ug/L	DET	3.4	1.50E+00	4.41E-01	none	4.05E-02	1.19E-02	none
GW	BEACH	MW47	SVOC	Di-n-butylphthalate	ug/L	ND	3.4	1.94E+00	5.71E-01	none	5.24E-02	1.54E-02	none
GW	BEACH	MW47	SVOC	Di-n-butylphthalate	ug/L	ND	3.4	2.00E+00	5.88E-01	none	5.40E-02	1.59E-02	none
GW	BEACH	MW47	SVOC	Di-n-butylphthalate	ug/L	ND	3.4	2.00E+00	5.88E-01	none	5.40E-02	1.59E-02	none
GW	BEACH	MW47	SVOC	Di-n-butylphthalate	ug/L	DET	3.4	7.10E+00	2.09E+00	poss-det	1.92E-01	5.64E-02	none
GW	BEACH	GP414	SVOC	Di-n-butylphthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	GP415	SVOC	Di-n-butylphthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	GP417	SVOC	Di-n-butylphthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	MW47	SVOC	Di-n-octyl phthalate	ug/L	ND	3.4	1.40E+00	4.12E-01	none	3.78E-02	1.11E-02	none
GW	BEACH	MW47	SVOC	Di-n-octyl phthalate	ug/L	ND	3.4	1.40E+00	4.12E-01	none	3.78E-02	1.11E-02	none
GW	BEACH	MW47	SVOC	Di-n-octyl phthalate	ug/L	ND	3.4	2.00E+00	5.88E-01	none	5.40E-02	1.59E-02	none
GW	BEACH	MW47	SVOC	Di-n-octyl phthalate	ug/L	ND	3.4	2.00E+00	5.88E-01	none	5.40E-02	1.59E-02	none
GW	BEACH	MW47	SVOC	Di-n-octyl phthalate	ug/L	ND	3.4	2.12E+00	6.24E-01	none	5.72E-02	1.68E-02	none
GW	BEACH	GP414	SVOC	Di-n-octyl phthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	GP415	SVOC	Di-n-octyl phthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	GP417	SVOC	Di-n-octyl phthalate	ug/L	ND	3.4	1.00E+01	2.94E+00	poss-ND	2.70E-01	7.94E-02	none
GW	BEACH	MW47	SVOC	Fluorene	ug/L	ND	3.9	4.70E-01	1.21E-01	none	1.27E-02	3.25E-03	none
GW	BEACH	MW47	SVOC	Fluorene	ug/L	ND	3.9	4.70E-01	1.21E-01	none	1.27E-02	3.25E-03	none
GW	BEACH	MW47	SVOC	Fluorene	ug/L	ND	3.9	1.49E+00	3.82E-01	none	4.02E-02	1.03E-02	none
GW	BEACH	MW47	SVOC	Fluorene	ug/L	ND	3.9	2.30E+00	5.90E-01	none	6.21E-02	1.59E-02	none
GW	BEACH	MW47	SVOC	Fluorene	ug/L	ND	3.9	2.30E+00	5.90E-01	none	6.21E-02	1.59E-02	none
GW	BEACH	GP414	SVOC	Fluorene	ug/L	ND	3.9	1.00E+01	2.56E+00	poss-ND	2.70E-01	6.92E-02	none
GW	BEACH	GP415	SVOC	Fluorene	ug/L	ND	3.9	1.00E+01	2.56E+00	poss-ND	2.70E-01	6.92E-02	none
GW	BEACH	GP417	SVOC	Fluorene	ug/L	ND	3.9	1.00E+01	2.56E+00	poss-ND	2.70E-01	6.92E-02	none
GW	BEACH	MWWP6	SVOC	Hexachlorobutadiene	ug/L	ND	0.053	5.00E-01	9.43E+00	poss-ND	1.35E-02	2.55E-01	none
GW	BEACH	MW47	SVOC	Hexachlorobutadiene	ug/L	ND	0.053	1.06E+00	2.00E+01	poss-ND	2.86E-02	5.40E-01	none
GW	BEACH	MW47	SVOC	Hexachlorobutadiene	ug/L	ND	0.053	1.06E+00	2.00E+01	poss-ND	2.86E-02	5.40E-01	none
GW	BEACH	MW47	SVOC	Hexachlorobutadiene	ug/L	ND	0.053	1.55E+00	2.92E+01	poss-ND	4.18E-02	7.90E-01	none
GW	BEACH	MW47	SVOC	Hexachlorobutadiene	ug/L	ND	0.053	2.40E+00	4.53E+01	poss-ND	6.48E-02	1.22E+00	poss-ND
GW	BEACH	MW47	SVOC	Hexachlorobutadiene	ug/L	ND	0.053	2.40E+00	4.53E+01	poss-ND	6.48E-02	1.22E+00	poss-ND

Table 4-14
Detailed Point-by-Point Analysis of Marine Life Exposed to Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

								Undiluted			Diluted		
MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	QUALIFIER	CHRONIC-SEV	CONCENTRATION	HQ_CHRONIC	RISK	CONCENTRATION	HQ_CHRONIC	RISK
GW	BEACH	GP414	SVOC	Hexachlorobutadiene	ug/L	ND	0.053	1.00E+01	1.89E+02	poss-ND	2.70E-01	5.09E+00	poss-ND
GW	BEACH	GP415	SVOC	Hexachlorobutadiene	ug/L	ND	0.053	1.00E+01	1.89E+02	poss-ND	2.70E-01	5.09E+00	poss-ND
GW	BEACH	GP417	SVOC	Hexachlorobutadiene	ug/L	ND	0.053	1.00E+01	1.89E+02	poss-ND	2.70E-01	5.09E+00	poss-ND
GW	BEACH	MW47	SVOC	Indeno(1,2,3-CD)pyrene	ug/L	ND	4.31	1.60E+00	3.71E-01	none	4.32E-02	1.00E-02	none
GW	BEACH	MW47	SVOC	Indeno(1,2,3-CD)pyrene	ug/L	ND	4.31	1.60E+00	3.71E-01	none	4.32E-02	1.00E-02	none
GW	BEACH	MW47	SVOC	Indeno(1,2,3-CD)pyrene	ug/L	ND	4.31	1.60E+00	3.71E-01	none	4.32E-02	1.00E-02	none
GW	BEACH	MW47	SVOC	Indeno(1,2,3-CD)pyrene	ug/L	ND	4.31	1.60E+00	3.71E-01	none	4.32E-02	1.00E-02	none
GW	BEACH	MW47	SVOC	Indeno(1,2,3-CD)pyrene	ug/L	ND	4.31	1.63E+00	3.78E-01	none	4.40E-02	1.02E-02	none
GW	BEACH	GP414	SVOC	Indeno(1,2,3-CD)pyrene	ug/L	ND	4.31	1.00E+01	2.32E+00	poss-ND	2.70E-01	6.26E-02	none
GW	BEACH	GP417	SVOC	Indeno(1,2,3-CD)pyrene	ug/L	ND	4.31	1.00E+01	2.32E+00	poss-ND	2.70E-01	6.26E-02	none
GW	BEACH	GP415	SVOC	Indeno(1,2,3-CD)pyrene	ug/L	ND	4.31	1.00E+01	2.32E+00	poss-ND	2.70E-01	6.26E-02	none
GW	BEACH	MW47	SVOC	Pentachlorophenol	ug/L	ND	7.9	8.90E-01	1.13E-01	none	2.40E-02	3.04E-03	none
GW	BEACH	MW47	SVOC	Pentachlorophenol	ug/L	ND	7.9	8.90E-01	1.13E-01	none	2.40E-02	3.04E-03	none
GW	BEACH	MW47	SVOC	Pentachlorophenol	ug/L	ND	7.9	1.70E+00	2.15E-01	none	4.59E-02	5.81E-03	none
GW	BEACH	MW47	SVOC	Pentachlorophenol	ug/L	ND	7.9	1.70E+00	2.15E-01	none	4.59E-02	5.81E-03	none
GW	BEACH	MW47	SVOC	Pentachlorophenol	ug/L	ND	7.9	2.38E+00	3.01E-01	none	6.43E-02	8.13E-03	none
GW	BEACH	GP414	SVOC	Pentachlorophenol	ug/L	ND	7.9	5.00E+01	6.33E+00	poss-ND	1.35E+00	1.71E-01	none
GW	BEACH	GP417	SVOC	Pentachlorophenol	ug/L	ND	7.9	5.00E+01	6.33E+00	poss-ND	1.35E+00	1.71E-01	none
GW	BEACH	GP415	SVOC	Pentachlorophenol	ug/L	ND	7.9	5.00E+01	6.33E+00	poss-ND	1.35E+00	1.71E-01	none
GW	BEACH	MW47	SVOC	Phenanthrene	ug/L	ND	4.6	1.43E+00	3.11E-01	none	3.86E-02	8.39E-03	none
GW	BEACH	MW47	SVOC	Phenanthrene	ug/L	ND	4.6	2.00E+00	4.35E-01	none	5.40E-02	1.17E-02	none
GW	BEACH	MW47	SVOC	Phenanthrene	ug/L	ND	4.6	2.00E+00	4.35E-01	none	5.40E-02	1.17E-02	none
GW	BEACH	MW47	SVOC	Phenanthrene	ug/L	ND	4.6	2.00E+00	4.35E-01	none	5.40E-02	1.17E-02	none
GW	BEACH	MW47	SVOC	Phenanthrene	ug/L	ND	4.6	2.00E+00	4.35E-01	none	5.40E-02	1.17E-02	none
GW	BEACH	GP414	SVOC	Phenanthrene	ug/L	ND	4.6	1.00E+01	2.17E+00	poss-ND	2.70E-01	5.87E-02	none
GW	BEACH	GP417	SVOC	Phenanthrene	ug/L	ND	4.6	1.00E+01	2.17E+00	poss-ND	2.70E-01	5.87E-02	none
GW	BEACH	GP415	SVOC	Phenanthrene	ug/L	ND	4.6	1.00E+01	2.17E+00	poss-ND	2.70E-01	5.87E-02	none
GW	BEACH	MW47	SVOC	Pyrene	ug/L	ND	0.3	7.40E-01	2.47E+00	poss-ND	2.00E-02	6.66E-02	none
GW	BEACH	MW47	SVOC	Pyrene	ug/L	ND	0.3	7.40E-01	2.47E+00	poss-ND	2.00E-02	6.66E-02	none
GW	BEACH	MW47	SVOC	Pyrene	ug/L	ND	0.3	1.90E+00	6.33E+00	poss-ND	5.13E-02	1.71E-01	none
GW	BEACH	MW47	SVOC	Pyrene	ug/L	ND	0.3	1.90E+00	6.33E+00	poss-ND	5.13E-02	1.71E-01	none
GW	BEACH	MW47	SVOC	Pyrene	ug/L	ND	0.3	2.02E+00	6.73E+00	poss-ND	5.45E-02	1.82E-01	none
GW	BEACH	GP414	SVOC	Pyrene	ug/L	ND	0.3	1.00E+01	3.33E+01	poss-ND	2.70E-01	9.00E-01	none
GW	BEACH	GP417	SVOC	Pyrene	ug/L	ND	0.3	1.00E+01	3.33E+01	poss-ND	2.70E-01	9.00E-01	none
GW	BEACH	GP415	SVOC	Pyrene	ug/L	ND	0.3	1.00E+01	3.33E+01	poss-ND	2.70E-01	9.00E-01	none
GW	BEACH	MWWP6	TOTMET	Arsenic, Total	ug/L	ND	36	3.50E+00	9.72E-02	none	9.45E-02	2.63E-03	none
GW	BEACH	MW47	TOTMET	Arsenic, Total	ug/L	ND	36	4.44E+00	1.23E-01	none	1.20E-01	3.33E-03	none
GW	BEACH	MW47	TOTMET	Arsenic, Total	ug/L	ND	36	4.44E+00	1.23E-01	none	1.20E-01	3.33E-03	none
GW	BEACH	MW47	TOTMET	Arsenic, Total	ug/L	ND	36	4.44E+00	1.23E-01	none	1.20E-01	3.33E-03	none
GW	BEACH	MW47	TOTMET	Arsenic, Total	ug/L	ND	36	4.44E+00	1.23E-01	none	1.20E-01	3.33E-03	none
GW	BEACH	GP414	TOTMET	Arsenic, Total	ug/L	DET	36	7.50E+00	2.08E-01	none	2.03E-01	5.63E-03	none
GW	BEACH	MW47	TOTMET	Arsenic, Total	ug/L	DET	36	1.63E+01	4.53E-01	none	4.40E-01	1.22E-02	none
GW	BEACH	GP417	TOTMET	Arsenic, Total	ug/L	DET	36	2.50E+01	6.94E-01	none	6.75E-01	1.88E-02	none
GW	BEACH	GP415	TOTMET	Arsenic, Total	ug/L	DET	36	8.10E+01	2.25E+00	poss-det	2.19E+00	6.08E-02	none
GW	BEACH	MW47	TOTMET	Barium, Total	ug/L	ND	4	1.30E+00	3.25E-01	none	3.51E-02	8.77E-03	none
GW	BEACH	GP417	TOTMET	Barium, Total	ug/L	DET	4	1.90E+02	4.75E+01	poss-det	5.13E+00	1.28E+00	poss-det
GW	BEACH	MW47	TOTMET	Barium, Total	ug/L	DET	4	3.62E+02	9.05E+01	poss-det	9.77E+00	2.44E+00	poss-det
GW	BEACH	MW47	TOTMET	Barium, Total	ug/L	DET	4	6.02E+02	1.51E+02	poss-det	1.63E+01	4.06E+00	poss-det
GW	BEACH	MW47	TOTMET	Barium, Total	ug/L	DET	4	6.43E+02	1.61E+02	poss-det	1.74E+01	4.34E+00	poss-det
GW	BEACH	GP414	TOTMET	Barium, Total	ug/L	DET	4	7.90E+02	1.98E+02	poss-det	2.13E+01	5.33E+00	poss-det

Table 4-14
Detailed Point-by-Point Analysis of Marine Life Exposed to Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

								Undiluted			Diluted		
MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	QUALIFIER	CHRONIC-SEV	CONCENTRATION	HQ_CHRONIC	RISK	CONCENTRATION	HQ_CHRONIC	RISK
GW	BEACH	MW47	TOTMET	Barium, Total	ug/L	DET	4	1.39E+03	3.48E+02	poss-det	3.75E+01	9.38E+00	poss-det
GW	BEACH	GP415	TOTMET	Barium, Total	ug/L	DET	4	2.30E+03	5.75E+02	poss-det	6.21E+01	1.55E+01	poss-det
GW	BEACH	MW47	TOTMET	Beryllium, Total	ug/L	ND	0.66	1.36E+00	2.06E+00	poss-ND	3.67E-02	5.56E-02	none
GW	BEACH	MW47	TOTMET	Beryllium, Total	ug/L	ND	0.66	1.36E+00	2.06E+00	poss-ND	3.67E-02	5.56E-02	none
GW	BEACH	MW47	TOTMET	Beryllium, Total	ug/L	ND	0.66	1.36E+00	2.06E+00	poss-ND	3.67E-02	5.56E-02	none
GW	BEACH	MW47	TOTMET	Beryllium, Total	ug/L	ND	0.66	1.36E+00	2.06E+00	poss-ND	3.67E-02	5.56E-02	none
GW	BEACH	MW47	TOTMET	Beryllium, Total	ug/L	ND	0.66	1.36E+00	2.06E+00	poss-ND	3.67E-02	5.56E-02	none
GW	BEACH	GP415	TOTMET	Beryllium, Total	ug/L	DET	0.66	3.60E+00	5.45E+00	poss-det	9.72E-02	1.47E-01	none
GW	BEACH	GP414	TOTMET	Beryllium, Total	ug/L	ND	0.66	5.00E+00	7.58E+00	poss-ND	1.35E-01	2.05E-01	none
GW	BEACH	GP417	TOTMET	Beryllium, Total	ug/L	ND	0.66	5.00E+00	7.58E+00	poss-ND	1.35E-01	2.05E-01	none
GW	BEACH	GP414	TOTMET	Cadmium, Total	ug/L	DET	8.85	1.00E+00	1.13E-01	none	2.70E-02	3.05E-03	none
GW	BEACH	MW47	TOTMET	Cadmium, Total	ug/L	ND	8.85	1.11E+00	1.25E-01	none	3.00E-02	3.39E-03	none
GW	BEACH	MW47	TOTMET	Cadmium, Total	ug/L	ND	8.85	1.11E+00	1.25E-01	none	3.00E-02	3.39E-03	none
GW	BEACH	MW47	TOTMET	Cadmium, Total	ug/L	ND	8.85	1.11E+00	1.25E-01	none	3.00E-02	3.39E-03	none
GW	BEACH	MWWP6	TOTMET	Cadmium, Total	ug/L	DET	8.85	2.00E+00	2.26E-01	none	5.40E-02	6.10E-03	none
GW	BEACH	MW47	TOTMET	Cadmium, Total	ug/L	DET	8.85	5.00E+00	5.65E-01	none	1.35E-01	1.53E-02	none
GW	BEACH	GP417	TOTMET	Cadmium, Total	ug/L	ND	8.85	5.00E+00	5.65E-01	none	1.35E-01	1.53E-02	none
GW	BEACH	MW47	TOTMET	Cadmium, Total	ug/L	DET	8.85	2.41E+01	2.72E+00	poss-det	6.51E-01	7.35E-02	none
GW	BEACH	GP415	TOTMET	Cadmium, Total	ug/L	DET	8.85	3.40E+01	3.84E+00	poss-det	9.18E-01	1.04E-01	none
GW	BEACH	MW47	TOTMET	Chromium, Total	ug/L	ND	50	4.44E+00	8.88E-02	none	1.20E-01	2.40E-03	none
GW	BEACH	MW47	TOTMET	Chromium, Total	ug/L	DET	50	1.07E+01	2.14E-01	none	2.89E-01	5.78E-03	none
GW	BEACH	GP414	TOTMET	Chromium, Total	ug/L	DET	50	1.30E+01	2.60E-01	none	3.51E-01	7.02E-03	none
GW	BEACH	MW47	TOTMET	Chromium, Total	ug/L	DET	50	1.94E+01	3.88E-01	none	5.24E-01	1.05E-02	none
GW	BEACH	MW47	TOTMET	Chromium, Total	ug/L	DET	50	2.40E+01	4.80E-01	none	6.48E-01	1.30E-02	none
GW	BEACH	GP417	TOTMET	Chromium, Total	ug/L	DET	50	3.10E+01	6.20E-01	none	8.37E-01	1.67E-02	none
GW	BEACH	MW47	TOTMET	Chromium, Total	ug/L	DET	50	1.04E+02	2.08E+00	poss-det	2.81E+00	5.62E-02	none
GW	BEACH	GP415	TOTMET	Chromium, Total	ug/L	DET	50	3.00E+02	6.00E+00	poss-det	8.10E+00	1.62E-01	none
GW	BEACH	MW47	TOTMET	Cobalt, Total	ug/L	ND	23	1.12E+00	4.87E-02	none	3.02E-02	1.31E-03	none
GW	BEACH	MW47	TOTMET	Cobalt, Total	ug/L	ND	23	1.12E+00	4.87E-02	none	3.02E-02	1.31E-03	none
GW	BEACH	MW47	TOTMET	Cobalt, Total	ug/L	ND	23	1.12E+00	4.87E-02	none	3.02E-02	1.31E-03	none
GW	BEACH	GP414	TOTMET	Cobalt, Total	ug/L	DET	23	1.50E+01	6.52E-01	none	4.05E-01	1.76E-02	none
GW	BEACH	GP417	TOTMET	Cobalt, Total	ug/L	DET	23	3.10E+01	1.35E+00	poss-det	8.37E-01	3.64E-02	none
GW	BEACH	MW47	TOTMET	Cobalt, Total	ug/L	DET	23	6.58E+01	2.86E+00	poss-det	1.78E+00	7.72E-02	none
GW	BEACH	MW47	TOTMET	Cobalt, Total	ug/L	DET	23	1.80E+02	7.83E+00	poss-det	4.86E+00	2.11E-01	none
GW	BEACH	GP415	TOTMET	Cobalt, Total	ug/L	DET	23	2.70E+02	1.17E+01	poss-det	7.29E+00	3.17E-01	none
GW	BEACH	MW47	TOTMET	Copper, Total	ug/L	DET	3.7	3.04E+01	8.22E+00	poss-det	8.21E-01	2.22E-01	none
GW	BEACH	MW47	TOTMET	Copper, Total	ug/L	DET	3.7	5.58E+01	1.51E+01	poss-det	1.51E+00	4.07E-01	none
GW	BEACH	GP414	TOTMET	Copper, Total	ug/L	DET	3.7	8.20E+01	2.22E+01	poss-det	2.21E+00	5.98E-01	none
GW	BEACH	MWWP6	TOTMET	Copper, Total	ug/L	DET	3.7	9.00E+01	2.43E+01	poss-det	2.43E+00	6.57E-01	none
GW	BEACH	GP417	TOTMET	Copper, Total	ug/L	DET	3.7	1.40E+02	3.78E+01	poss-det	3.78E+00	1.02E+00	poss-det
GW	BEACH	MW47	TOTMET	Copper, Total	ug/L	DET	3.7	2.07E+02	5.59E+01	poss-det	5.59E+00	1.51E+00	poss-det
GW	BEACH	MW47	TOTMET	Copper, Total	ug/L	DET	3.7	2.82E+02	7.62E+01	poss-det	7.61E+00	2.06E+00	poss-det
GW	BEACH	MW47	TOTMET	Copper, Total	ug/L	DET	3.7	9.63E+02	2.60E+02	poss-det	2.60E+01	7.03E+00	poss-det
GW	BEACH	GP415	TOTMET	Copper, Total	ug/L	DET	3.7	1.90E+03	5.14E+02	poss-det	5.13E+01	1.39E+01	poss-det
GW	BEACH	MWWP6	TOTMET	Iron, Total	ug/L	DET	1000	1.97E+03	1.97E+00	poss-det	5.32E+01	5.32E-02	none
GW	BEACH	MW47	TOTMET	Iron, Total	ug/L	DET	1000	1.55E+04	1.55E+01	poss-det	4.19E+02	4.19E-01	none
GW	BEACH	MWWP6	TOTMET	Iron, Total	ug/L	DET	1000	2.23E+04	2.23E+01	poss-det	6.01E+02	6.01E-01	none
GW	BEACH	MW47	TOTMET	Iron, Total	ug/L	DET	1000	2.72E+04	2.72E+01	poss-det	7.34E+02	7.34E-01	none
GW	BEACH	GP414	TOTMET	Iron, Total	ug/L	DET	1000	3.54E+04	3.54E+01	poss-det	9.56E+02	9.56E-01	none
GW	BEACH	MW47	TOTMET	Iron, Total	ug/L	DET	1000	6.76E+04	6.76E+01	poss-det	1.83E+03	1.83E+00	poss-det

Table 4-14
Detailed Point-by-Point Analysis of Marine Life Exposed to Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

								Undiluted			Diluted		
MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	QUALIFIER	CHRONIC-SEV	CONCENTRATION	HQ_CHRONIC	RISK	CONCENTRATION	HQ_CHRONIC	RISK
GW	BEACH	GP417	TOTMET	Iron, Total	ug/L	DET	1000	8.53E+04	8.53E+01	poss-det	2.30E+03	2.30E+00	poss-det
GW	BEACH	MW47	TOTMET	Iron, Total	ug/L	DET	1000	9.58E+04	9.58E+01	poss-det	2.59E+03	2.59E+00	poss-det
GW	BEACH	MW47	TOTMET	Iron, Total	ug/L	DET	1000	3.83E+05	3.83E+02	poss-det	1.03E+04	1.03E+01	poss-det
GW	BEACH	GP415	TOTMET	Iron, Total	ug/L	DET	1000	9.85E+05	9.85E+02	poss-det	2.66E+04	2.66E+01	poss-det
GW	BEACH	MW47	TOTMET	Lead, Total	ug/L	ND	8.5	2.66E+00	3.13E-01	none	7.18E-02	8.45E-03	none
GW	BEACH	MW47	TOTMET	Lead, Total	ug/L	ND	8.5	2.66E+00	3.13E-01	none	7.18E-02	8.45E-03	none
GW	BEACH	MWWP6	TOTMET	Lead, Total	ug/L	ND	8.5	5.00E+00	5.88E-01	none	1.35E-01	1.59E-02	none
GW	BEACH	GP414	TOTMET	Lead, Total	ug/L	DET	8.5	7.10E+00	8.35E-01	none	1.92E-01	2.26E-02	none
GW	BEACH	MW47	TOTMET	Lead, Total	ug/L	DET	8.5	7.70E+00	9.06E-01	none	2.08E-01	2.45E-02	none
GW	BEACH	MW47	TOTMET	Lead, Total	ug/L	DET	8.5	9.90E+00	1.16E+00	poss-det	2.67E-01	3.14E-02	none
GW	BEACH	GP415	TOTMET	Lead, Total	ug/L	DET	8.5	1.10E+01	1.29E+00	poss-det	2.97E-01	3.49E-02	none
GW	BEACH	GP417	TOTMET	Lead, Total	ug/L	DET	8.5	1.40E+01	1.65E+00	poss-det	3.78E-01	4.45E-02	none
GW	BEACH	MW47	TOTMET	Lead, Total	ug/L	DET	8.5	1.94E+01	2.28E+00	poss-det	5.24E-01	6.16E-02	none
GW	BEACH	MW47	TOTMET	Manganese, Total	ug/L	DET	120	5.27E+02	4.39E+00	poss-det	1.42E+01	1.19E-01	none
GW	BEACH	MW47	TOTMET	Manganese, Total	ug/L	DET	120	8.47E+02	7.06E+00	poss-det	2.29E+01	1.91E-01	none
GW	BEACH	MWWP6	TOTMET	Manganese, Total	ug/L	DET	120	1.02E+03	8.50E+00	poss-det	2.75E+01	2.30E-01	none
GW	BEACH	GP414	TOTMET	Manganese, Total	ug/L	DET	120	1.60E+03	1.33E+01	poss-det	4.32E+01	3.60E-01	none
GW	BEACH	GP417	TOTMET	Manganese, Total	ug/L	DET	120	2.50E+03	2.08E+01	poss-det	6.75E+01	5.63E-01	none
GW	BEACH	MW47	TOTMET	Manganese, Total	ug/L	DET	120	3.42E+03	2.85E+01	poss-det	9.23E+01	7.70E-01	none
GW	BEACH	MW47	TOTMET	Manganese, Total	ug/L	DET	120	4.54E+03	3.78E+01	poss-det	1.23E+02	1.02E+00	poss-det
GW	BEACH	MW47	TOTMET	Manganese, Total	ug/L	DET	120	1.20E+04	1.00E+02	poss-det	3.24E+02	2.70E+00	poss-det
GW	BEACH	GP415	TOTMET	Manganese, Total	ug/L	DET	120	1.37E+04	1.14E+02	poss-det	3.70E+02	3.08E+00	poss-det
GW	BEACH	MW47	TOTMET	Nickel, Total	ug/L	ND	8.3	5.25E+00	6.33E-01	none	1.42E-01	1.71E-02	none
GW	BEACH	MW47	TOTMET	Nickel, Total	ug/L	ND	8.3	5.25E+00	6.33E-01	none	1.42E-01	1.71E-02	none
GW	BEACH	MW47	TOTMET	Nickel, Total	ug/L	ND	8.3	5.25E+00	6.33E-01	none	1.42E-01	1.71E-02	none
GW	BEACH	MW47	TOTMET	Nickel, Total	ug/L	ND	8.3	5.25E+00	6.33E-01	none	1.42E-01	1.71E-02	none
GW	BEACH	GP414	TOTMET	Nickel, Total	ug/L	DET	8.3	9.30E+00	1.12E+00	poss-det	2.51E-01	3.03E-02	none
GW	BEACH	GP417	TOTMET	Nickel, Total	ug/L	DET	8.3	1.80E+01	2.17E+00	poss-det	4.86E-01	5.86E-02	none
GW	BEACH	MWWP6	TOTMET	Nickel, Total	ug/L	ND	8.3	2.00E+01	2.41E+00	poss-ND	5.40E-01	6.51E-02	none
GW	BEACH	MW47	TOTMET	Nickel, Total	ug/L	DET	8.3	7.06E+01	8.51E+00	poss-det	1.91E+00	2.30E-01	none
GW	BEACH	GP415	TOTMET	Nickel, Total	ug/L	DET	8.3	1.20E+02	1.45E+01	poss-det	3.24E+00	3.90E-01	none
GW	BEACH	MW47	TOTMET	Silver, Total	ug/L	ND	0.36	1.81E+00	5.03E+00	poss-ND	4.89E-02	1.36E-01	none
GW	BEACH	MW47	TOTMET	Silver, Total	ug/L	ND	0.36	1.81E+00	5.03E+00	poss-ND	4.89E-02	1.36E-01	none
GW	BEACH	MW47	TOTMET	Silver, Total	ug/L	ND	0.36	1.81E+00	5.03E+00	poss-ND	4.89E-02	1.36E-01	none
GW	BEACH	MW47	TOTMET	Silver, Total	ug/L	ND	0.36	1.81E+00	5.03E+00	poss-ND	4.89E-02	1.36E-01	none
GW	BEACH	MW47	TOTMET	Silver, Total	ug/L	ND	0.36	1.81E+00	5.03E+00	poss-ND	4.89E-02	1.36E-01	none
GW	BEACH	MWWP6	TOTMET	Silver, Total	ug/L	ND	0.36	3.00E+00	8.33E+00	poss-ND	8.10E-02	2.25E-01	none
GW	BEACH	MW47	TOTMET	Vanadium, Total	ug/L	DET	20	5.69E+01	2.85E+00	poss-det	1.54E+00	7.68E-02	none
GW	BEACH	MW47	TOTMET	Vanadium, Total	ug/L	DET	20	6.94E+01	3.47E+00	poss-det	1.87E+00	9.37E-02	none
GW	BEACH	GP414	TOTMET	Vanadium, Total	ug/L	DET	20	1.20E+02	6.00E+00	poss-det	3.24E+00	1.62E-01	none
GW	BEACH	GP417	TOTMET	Vanadium, Total	ug/L	DET	20	2.10E+02	1.05E+01	poss-det	5.67E+00	2.84E-01	none
GW	BEACH	MW47	TOTMET	Vanadium, Total	ug/L	DET	20	2.19E+02	1.10E+01	poss-det	5.91E+00	2.96E-01	none
GW	BEACH	MW47	TOTMET	Vanadium, Total	ug/L	DET	20	3.79E+02	1.90E+01	poss-det	1.02E+01	5.12E-01	none
GW	BEACH	MW47	TOTMET	Vanadium, Total	ug/L	DET	20	1.26E+03	6.30E+01	poss-det	3.40E+01	1.70E+00	poss-det
GW	BEACH	GP415	TOTMET	Vanadium, Total	ug/L	DET	20	2.80E+03	1.40E+02	poss-det	7.56E+01	3.78E+00	poss-det
GW	BEACH	MW47	TOTMET	Zinc, Total	ug/L	DET	85.6	4.17E+01	4.87E-01	none	1.13E+00	1.32E-02	none
GW	BEACH	MW47	TOTMET	Zinc, Total	ug/L	DET	85.6	5.60E+01	6.54E-01	none	1.51E+00	1.77E-02	none
GW	BEACH	GP414	TOTMET	Zinc, Total	ug/L	DET	85.6	6.80E+01	7.94E-01	none	1.84E+00	2.14E-02	none
GW	BEACH	MW47	TOTMET	Zinc, Total	ug/L	DET	85.6	1.33E+02	1.55E+00	poss-det	3.59E+00	4.20E-02	none
GW	BEACH	GP417	TOTMET	Zinc, Total	ug/L	DET	85.6	1.50E+02	1.75E+00	poss-det	4.05E+00	4.73E-02	none

Table 4-14

Detailed Point-by-Point Analysis of Marine Life Exposed to Groundwater

Site-Wide Screening Level ERA for the CPCPRC Site

								Undiluted			Diluted		
MATRIX	**AREA**	**SAMPLE**	**GROUP**	**ANALYTE**	**UNITS**	**QUALIFIER**	**CHRONIC-SEV**	**CONCENTRATION**	**HQ_CHRONIC**	**RISK**	**CONCENTRATION**	**HQ_CHRONIC**	**RISK**
GW	BEACH	MW47	TOTMET	Zinc, Total	ug/L	DET	85.6	2.08E+02	2.43E+00	poss-det	5.62E+00	6.56E-02	none
GW	BEACH	MW47	TOTMET	Zinc, Total	ug/L	DET	85.6	6.74E+02	7.87E+00	poss-det	1.82E+01	2.13E-01	none
GW	BEACH	GP415	TOTMET	Zinc, Total	ug/L	DET	85.6	1.00E+03	1.17E+01	poss-det	2.70E+01	3.15E-01	none
GW	BEACH	GP415	VOA	Carbon disulfide	ug/L	DET	0.92	2.00E-01	2.17E-01	none	5.40E-03	5.87E-03	none
GW	BEACH	GP414	VOA	Carbon disulfide	ug/L	DET	0.92	2.00E-01	2.17E-01	none	5.40E-03	5.87E-03	none
GW	BEACH	MW47	VOA	Carbon disulfide	ug/L	ND	0.92	7.10E-01	7.72E-01	none	1.92E-02	2.08E-02	none
GW	BEACH	GP417	VOA	Carbon disulfide	ug/L	ND	0.92	1.00E+00	1.09E+00	poss-ND	2.70E-02	2.93E-02	none
GW	BEACH	MW47	VOA	Carbon disulfide	ug/L	ND	0.92	1.30E+00	1.41E+00	poss-ND	3.51E-02	3.82E-02	none
GW	BEACH	MW47	VOA	Carbon disulfide	ug/L	ND	0.92	1.30E+00	1.41E+00	poss-ND	3.51E-02	3.82E-02	none
GW	BEACH	MW47	VOA	Carbon disulfide	ug/L	ND	0.92	1.30E+00	1.41E+00	poss-ND	3.51E-02	3.82E-02	none
GW	BEACH	MW47	VOA	Carbon disulfide	ug/L	ND	0.92	1.30E+00	1.41E+00	poss-ND	3.51E-02	3.82E-02	none

Notes:

Poss = Exposure concentration exceeds low-SEV but not high-SEV

Prob = Exposure concentration exceeds high-SEV

DET = Detected

ND = Not Detected

None = Exposure concentration does not exceed low-SEV

Table 4-15
Refined Summary for Marine Life Exposed to Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Area / Analye	Potential for Risk from Undiluted Groundwater: None	Non-Detects Possible	Detected Possible	Total	Potential for Risk from Diluted Groundwater: None	Non-Detects Possible	Detected Possible	Total	Max-HQ	% SEV Exceedances
BEACH										
Dissolved Metals										
Barium	1		6	*7*	1		**6**	*7*	7.0	86
Beryllium		7		*7*	7			*7*		0
Copper	5	2	1	*8*	8			*8*		0
Iron	3		4	*7*	7			*7*		0
Manganese			8	*8*	8			*8*		0
Nickel	6	2		*8*	8			*8*		0
Silver		6		*6*	6			*6*		0
Zinc	2		5	*7*	7			*7*		0
SVOC-PAH										
7,12-Dimethylbenz(a)anthracene		5		*5*	5			*5*		0
Anthracene		8		*8*	2	**6**		*8*	7.7	75
Benzo(a)anthracene		8		*8*	2	**6**		*8*	10.8	75
Benzo(a)pyrene		8		*8*	2	**6**		*8*	19.3	75
Benzo(b)fluoranthene	5	3		*8*	8			*8*		0
Benzo(g,h,i)perylene	5	3		*8*	8			*8*		0
Benzo(k)fluoranthene	5	3		*8*	8			*8*		0
Chrysene		8		*8*		**8**		*8*	19.3	100
Dibenz(a,h)anthracene		8		*8*		**8**		*8*	19.3	100
Fluorene	5	3		*8*	8			*8*		0
Indeno(1,2,3-CD)pyrene	5	3		*8*	8			*8*		0
Phenanthrene	5	3		*8*	8			*8*		0
Pyrene		8		*8*	8			*8*		0
SVOC										
2,4,6-Trichlorophenol	3	5		*8*	8			*8*		0
2,4-Dinitrophenol	5	3		*8*	8			*8*		0
2-Chloronaphthalene	2	6		*8*	8			*8*		0
3,3'-Dichlorobenzidine	5	3		*8*	8			*8*		0
4,6-Dinitro-2-methylphenol	5	3		*8*	8			*8*		0
4-Bromophenyl phenylether	2	6		*8*	8			*8*		0
4-Chlorophenyl-phenylether	2	6		*8*	8			*8*		0

Table 4-15
Refined Summary for Marine Life Exposed to Groundwater
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analye	Potential for Risk from Undiluted Groundwater: None	Non-Detects Possible	Detected Possible	Total	Potential for Risk from Diluted Groundwater: None	Non-Detects Possible	Detected Possible	Total	Max-HQ	% SEV Exceedances
	Benzoic acid	5	3		*8*	8			*8*		0
	Benzyl alcohol	5	3		*8*	8			*8*		0
	Butylbenzyl phthalate	5	3		*8*	8			*8*		0
	Dibenzofuran	5	3		*8*	8			*8*		0
	Diethylphthalate	5	3		*8*	8			*8*		0
	Dimethylphthalate	5	3		*8*	8			*8*		0
	Di-n-butylphthalate	4	3	1	*8*	8			*8*		0
	Di-n-octyl phthalate	5	3		*8*	8			*8*		0
	Hexachlorobutadiene		9		*9*	4	**5**		*9*	5.1	56
	Pentachlorophenol	5	3		*8*	8			*8*		0
VOC											
	Carbon disulfide	3	5		*8*	8			*8*		0
General Chemistry Parameters											
	Nitrate as N	6	2	1	9	9			9		0
	Nitrite as N	5	3		8	8			8		0
	Nitrogen, Total			1	1			**1**	1	1.03	100
	Nitrogen-TKN		2	5	7	7			7		0
	Phosphorus			3	3			**3**	3	513	100
	Phosphorus, Total		1	4	5	3		**2**	5	7.3	40

Notes:
Possible = Exposure exceeds low-toxicity value but not high-toxicity value
Uncertain = retained as an uncertainty
Total = number of samples analyzed for the parameter.

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	AES	AESSW1	GENX	Alkalinity, total	ug/L	4.86E+05	DET	2.00E+04	2.43E+01	poss-det
SW	AES	AESSW1	GENX	Chloride	ug/L	1.29E+06	DET	2.30E+05	5.61E+00	poss-det
SW	AES	AES-SW-1	GENX	Nitrate as N	ug/L	200	ND	3.33E+02	6.01E-01	none
SW	AES	AES-SW-1	GENX	Nitrite as N	ug/L	200	ND	2.25E+01	8.89E+00	poss-ND
SW	AES	AES-SW-1	GENX	Nitrogen-TKN	ug/L	1100	DET	5.04E+02	2.18E+00	poss-det
SW	AES	AESSW1	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	AES	AESSW1	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	AES	AESSW1	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	AES	AESSW1	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	AES	AESSW1	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	AES	AESSW1	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	AES	AESSW1	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	AES	AESSW1	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	AES	AESSW1	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	AES	AESSW1	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	AES	AESSW1	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	AES	AESSW1	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	AES	AESSW1	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	AES	AESSW1	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	AES	AESSW1	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	AES	AESSW1	SVOA	3,3'-Dichlorobenzidine	ug/L	5.00E+01	ND	4.50E+00	1.11E+01	poss-ND
SW	AES	AESSW1	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	AES	AESSW1	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	AES	AESSW1	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	AES	AESSW1	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	AES	AESSW1	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	AES	AESSW1	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	AES	AESSW1	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	AES	AESSW1	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	AES	AESSW1	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	AES	AESSW1	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	AES	AESSW1	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	AES	AESSW1	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	AES	AESSW1	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	AES	AESSW1	SVOA	Benzyl alcohol	ug/L	1.00E+01	ND	8.60E+00	1.16E+00	poss-ND
SW	AES	AESSW1	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	AES	AESSW1	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	AES	AESSW1	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	AES	AESSW1	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	AES	AESSW1	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	AES	AESSW1	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	AES	AESSW1	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	AES	AESSW1	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	AES	AESSW1	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	AES	AESSW1	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	AES	AESSW1	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	AES	AESSW1	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	AES	AESSW1	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E+01	ND	7.70E+01	6.49E-01	none
SW	AES	AESSW1	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	AES	AESSW1	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	AES	AESSW1	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	AES	AESSW1	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	AES	AESSW1	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	AES	AESSW1	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	AES	AESSW1	TOTMET	Antimony, total	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	AES	AESSW1	TOTMET	Barium, total	ug/L	1.90E+02	DET	4.00E+00	4.75E+01	poss-det
SW	AES	AESSW1	TOTMET	Beryllium, total	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	AES	AESSW1	TOTMET	Cadmium, total	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	AES	AESSW1	TOTMET	Chromium, total	ug/L	9.60E-01	DET	2.22E+02	4.32E-03	none
SW	AES	AESSW1	TOTMET	Cobalt, total	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	AES	AESSW1	TOTMET	Copper, total	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	AES	AESSW1	TOTMET	Iron, total	ug/L	1.90E+02	DET	1.00E+03	1.90E-01	none
SW	AES	AESSW1	TOTMET	Lead, total	ug/L	3.00E+00	ND	1.39E+01	2.16E-01	none
SW	AES	AESSW1	TOTMET	Manganese, total	ug/L	6.70E+02	DET	1.20E+02	5.58E+00	poss-det
SW	AES	AESSW1	TOTMET	Mercury, total	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	AES	AESSW1	TOTMET	Nickel, total	ug/L	4.30E+01	DET	1.39E+02	3.10E-01	none
SW	AES	AESSW1	TOTMET	Selenium, total	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	AES	AESSW1	TOTMET	Vanadium, total	ug/L	3.20E+00	DET	2.00E+01	1.60E-01	none
SW	AES	AESSW1	TOTMET	Zinc, total	ug/L	2.00E+01	ND	3.19E+02	6.26E-02	none
SW	AES	AESSW1	VOA	1,1-Dichloroethane	ug/L	4.00E+00	ND	4.70E+01	8.51E-02	none
SW	AES	AESSW1	VOA	1,1-Dichloroethene	ug/L	4.00E+00	ND	2.50E+01	1.60E-01	none
SW	AES	AESSW1	VOA	2-Hexanone	ug/L	2.00E+01	ND	9.90E+01	2.02E-01	none
SW	AES	AESSW1	VOA	4-Methyl-2-pentanone	ug/L	2.00E+01	ND	1.70E+02	1.18E-01	none
SW	AES	AESSW1	VOA	Benzene	ug/L	4.00E+00	ND	1.14E+02	3.51E-02	none
SW	AES	AESSW1	VOA	Bromomethane	ug/L	8.00E+00	ND	1.60E+01	5.00E-01	none
SW	AES	AESSW1	VOA	Carbon disulfide	ug/L	4.00E+00	ND	9.20E-01	4.35E+00	poss-ND
SW	AES	AESSW1	VOA	Carbon tetrachloride	ug/L	4.00E+00	ND	9.80E+00	4.08E-01	none
SW	AES	AESSW1	VOA	Chlorobenzene	ug/L	4.00E+00	ND	4.70E+01	8.51E-02	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	AES	AESSW1	VOA	Chloroform	ug/L	4.00E+00	ND	2.80E+01	1.43E-01	none
SW	AES	AESSW1	VOA	Ethylbenzene	ug/L	4.00E+00	ND	7.30E+00	5.48E-01	none
SW	AES	AESSW1	VOA	Styrene	ug/L	4.00E+00	ND	3.20E+01	1.25E-01	none
SW	AES	AESSW1	VOA	Tetrachloroethene	ug/L	4.00E+00	ND	4.50E+01	8.89E-02	none
SW	AES	AESSW1	VOA	Toluene	ug/L	4.00E+00	ND	9.80E+00	4.08E-01	none
SW	AES	AESSW1	VOA	Trichloroethene	ug/L	4.00E+00	ND	4.70E+01	8.51E-02	none
SW	AES	AESSW1	VOA	Vinyl acetate	ug/L	8.00E+00	ND	1.60E+01	5.00E-01	none
SW	AES	AESSW1	VOA	Xylenes (total)	ug/L	8.00E+00	ND	1.30E+01	6.15E-01	none
SW	CHANNEL	SWSW	DISMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWSW	DISMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWSW	DISMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWSW	DISMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Antimony, Dissolved	ug/L	5.02E+00	ND	3.00E+01	1.67E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	ug/L	5.02E+00	ND	3.00E+01	1.67E-01	none
SW	CHANNEL	SWSW	DISMET	Antimony, Dissolved	ug/L	5.02E+00	ND	3.00E+01	1.67E-01	none
SW	CHANNEL	EFFLUENT	DISMET	Antimony, Dissolved	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	UG/L	5.00E+01	ND	3.00E+01	1.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Antimony, Dissolved	UG/L	5.00E+01	ND	3.00E+01	1.67E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Antimony, Dissolved	UG/L	5.00E+01	ND	3.00E+01	1.67E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Antimony, Dissolved	UG/L	5.00E+01	ND	3.00E+01	1.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Barium, Dissolved	ug/L	2.00E-01	ND	4.00E+00	5.00E-02	none
SW	CHANNEL	SWSW	DISMET	Barium, Dissolved	ug/L	2.00E-01	ND	4.00E+00	5.00E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	ug/L	2.00E-01	ND	4.00E+00	5.00E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWSW	DISMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWSW	DISMET	Barium, Dissolved	ug/L	2.00E+01	DET	4.00E+00	5.00E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	ug/L	3.00E+01	DET	4.00E+00	7.50E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Barium, Dissolved	ug/L	3.00E+01	DET	4.00E+00	7.50E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Barium, Dissolved	UG/L	3.10E+01	DET	4.00E+00	7.75E+00	poss-det
SW	CHANNEL	SW1	DISMET	Barium, Dissolved	UG/L	3.60E+01	DET	4.00E+00	9.00E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	UG/L	5.80E+01	DET	4.00E+00	1.45E+01	poss-det
SW	CHANNEL	SWNPDES1	DISMET	Barium, Dissolved	ug/L	6.00E+01	DET	4.00E+00	1.50E+01	poss-det
SW	CHANNEL	SW2	DISMET	Barium, Dissolved	UG/L	6.74E+01	DET	4.00E+00	1.69E+01	poss-det
SW	CHANNEL	SWNPDES1	DISMET	Barium, Dissolved	UG/L	7.30E+01	DET	4.00E+00	1.83E+01	poss-det
SW	CHANNEL	SWSW	DISMET	Barium, Dissolved	ug/L	1.50E+02	DET	4.00E+00	3.75E+01	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Barium, Dissolved	ug/L	1.50E+02	DET	4.00E+00	3.75E+01	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	ug/L	2.10E+02	DET	4.00E+00	5.25E+01	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Barium, Dissolved	UG/L	2.10E+02	DET	4.00E+00	5.25E+01	poss-det
SW	CHANNEL	SW3	DISMET	Barium, Dissolved	UG/L	2.17E+02	DET	4.00E+00	5.43E+01	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	ug/L	2.20E+02	DET	4.00E+00	5.50E+01	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	ug/L	2.40E+02	DET	4.00E+00	6.00E+01	poss-det
SW	CHANNEL	SWSW	DISMET	Barium, Dissolved	ug/L	2.40E+02	DET	4.00E+00	6.00E+01	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	ug/L	2.48E+02	DET	4.00E+00	6.20E+01	poss-det
SW	CHANNEL	SWSW	DISMET	Barium, Dissolved	ug/L	2.50E+02	DET	4.00E+00	6.25E+01	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	ug/L	2.50E+02	DET	4.00E+00	6.25E+01	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Barium, Dissolved	ug/L	2.60E+02	DET	4.00E+00	6.50E+01	poss-det
SW	CHANNEL	SWSW	DISMET	Barium, Dissolved	ug/L	2.79E+02	DET	4.00E+00	6.98E+01	poss-det
SW	CHANNEL	SWSW	DISMET	Barium, Dissolved	ug/L	3.00E+02	DET	4.00E+00	7.50E+01	poss-det

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	DISMET	Barium, Dissolved	ug/L	3.12E+02	DET	4.00E+00	7.80E+01	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	ug/L	3.20E+02	DET	4.00E+00	8.00E+01	poss-det
SW	CHANNEL	EFFLUENT	DISMET	Barium, Dissolved	ug/L	3.20E+02	DET	4.00E+00	8.00E+01	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Barium, Dissolved	ug/L	3.60E+02	DET	4.00E+00	9.00E+01	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	ug/L	3.70E+02	DET	4.00E+00	9.25E+01	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Barium, Dissolved	ug/L	4.00E+02	DET	4.00E+00	1.00E+02	poss-det
SW	CHANNEL	SWSW	DISMET	Barium, Dissolved	ug/L	4.15E+02	DET	4.00E+00	1.04E+02	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	ug/L	4.47E+02	DET	4.00E+00	1.12E+02	poss-det
SW	CHANNEL	SWNPDES1	DISMET	Barium, Dissolved	ug/L	4.60E+02	DET	4.00E+00	1.15E+02	poss-det
SW	CHANNEL	SWSW	DISMET	Barium, Dissolved	ug/L	5.30E+02	DET	4.00E+00	1.33E+02	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Barium, Dissolved	ug/L	5.56E+02	DET	4.00E+00	1.39E+02	poss-det
SW	CHANNEL	SWSW	DISMET	Barium, Dissolved	ug/L	5.90E+02	DET	4.00E+00	1.48E+02	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Barium, Dissolved	ug/L	6.47E+02	DET	4.00E+00	1.62E+02	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Barium, Dissolved	ug/L	6.50E+02	DET	4.00E+00	1.63E+02	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Barium, Dissolved	ug/L	7.30E+02	DET	4.00E+00	1.83E+02	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	UG/L	2.00E+00	ND	6.60E-01	3.03E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Beryllium, Dissolved	UG/L	2.00E+00	ND	6.60E-01	3.03E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Beryllium, Dissolved	UG/L	2.00E+00	ND	6.60E-01	3.03E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Beryllium, Dissolved	UG/L	2.00E+00	ND	6.60E-01	3.03E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	EFFLUENT	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	CHANNEL	SWSW	DISMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	CHANNEL	SWSW	DISMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	CHANNEL	SWSW	DISMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Cadmium, Dissolved	ug/L	1.11E+00	ND	5.70E-01	1.95E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	ug/L	1.11E+00	ND	5.70E-01	1.95E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Cadmium, Dissolved	ug/L	1.11E+00	ND	5.70E-01	1.95E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	UG/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Cadmium, Dissolved	UG/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	EFFLUENT	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Cadmium, Dissolved	UG/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Cadmium, Dissolved	UG/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	5.70E-01	8.77E+00	poss-ND
SW	CHANNEL	EFFLUENT	DISMET	Cobalt, Dissolved	ug/L	1.10E+00	DET	2.30E+01	4.78E-02	none
SW	CHANNEL	SWSW	DISMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWSW	DISMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWSW	DISMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWSW	DISMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWSW	DISMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Cobalt, Dissolved	UG/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Cobalt, Dissolved	UG/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWSW	DISMET	Cobalt, Dissolved	UG/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES1	DISMET	Cobalt, Dissolved	UG/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Iron, Dissolved	ug/L	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Iron, Dissolved	ug/L	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	CHANNEL	SWSW	DISMET	Iron, Dissolved	ug/L	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Iron, Dissolved	ug/L	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Iron, Dissolved	ug/L	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	CHANNEL	SWSW	DISMET	Iron, Dissolved	ug/L	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Iron, Dissolved	ug/L	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Iron, Dissolved	ug/L	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	CHANNEL	SWSW	DISMET	Iron, Dissolved	ug/L	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Iron, Dissolved	ug/L	4.20E+01	DET	1.00E+03	4.20E-02	none
SW	CHANNEL	EFFLUENT	DISMET	Iron, Dissolved	ug/L	6.60E+01	DET	1.00E+03	6.60E-02	none
SW	CHANNEL	SWSW	DISMET	Iron, Dissolved	ug/L	7.50E+01	DET	1.00E+03	7.50E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Iron, Dissolved	ug/L	1.02E+02	DET	1.00E+03	1.02E-01	none
SW	CHANNEL	SWSW	DISMET	Iron, Dissolved	ug/L	1.07E+02	DET	1.00E+03	1.07E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Iron, Dissolved	ug/L	1.94E+02	DET	1.00E+03	1.94E-01	none
SW	CHANNEL	SWSW	DISMET	Iron, Dissolved	ug/L	2.40E+02	DET	1.00E+03	2.40E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Iron, Dissolved	ug/L	4.20E+02	DET	1.00E+03	4.20E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Iron, Dissolved	ug/L	5.91E+02	DET	1.00E+03	5.91E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Iron, Dissolved	ug/L	6.60E+02	DET	1.00E+03	6.60E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Iron, Dissolved	ug/L	9.63E+02	DET	1.00E+03	9.63E-01	none
SW	CHANNEL	SWSW	DISMET	Iron, Dissolved	ug/L	1.30E+03	DET	1.00E+03	1.30E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Iron, Dissolved	ug/L	1.49E+03	DET	1.00E+03	1.49E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Iron, Dissolved	ug/L	1.90E+03	DET	1.00E+03	1.90E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Iron, Dissolved	ug/L	4.60E+03	DET	1.00E+03	4.60E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Iron, Dissolved	ug/L	9.00E+03	DET	1.00E+03	9.00E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWSW	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWSW	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	ug/L	2.00E+00	DET	8.64E+00	2.31E-01	none
SW	CHANNEL	SWSW	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWSW	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWSW	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWNPDES1	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWNPDES1	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	ug/L	2.00E+00	ND	8.64E+00	2.31E-01	none
SW	CHANNEL	SWSW	DISMET	Lead, Dissolved	ug/L	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Lead, Dissolved	ug/L	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	ug/L	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	CHANNEL	SWSW	DISMET	Lead, Dissolved	ug/L	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	ug/L	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Lead, Dissolved	ug/L	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	CHANNEL	SWSW	DISMET	Lead, Dissolved	ug/L	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	ug/L	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	ug/L	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Lead, Dissolved	ug/L	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	CHANNEL	SWSW	DISMET	Lead, Dissolved	ug/L	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	CHANNEL	SWSW	DISMET	Lead, Dissolved	ug/L	2.66E+00	ND	8.64E+00	3.08E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Lead, Dissolved	ug/L	2.66E+00	ND	8.64E+00	3.08E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	ug/L	2.66E+00	ND	8.64E+00	3.08E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Lead, Dissolved	ug/L	3.00E+00	DET	8.64E+00	3.47E-01	none
SW	CHANNEL	EFFLUENT	DISMET	Lead, Dissolved	ug/L	3.00E+00	ND	8.64E+00	3.47E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Lead, Dissolved	ug/L	3.70E+00	DET	8.64E+00	4.28E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	UG/L	5.00E+00	ND	8.64E+00	5.79E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Lead, Dissolved	UG/L	5.00E+00	ND	8.64E+00	5.79E-01	none
SW	CHANNEL	SWSW	DISMET	Lead, Dissolved	UG/L	5.00E+00	ND	8.64E+00	5.79E-01	none
SW	CHANNEL	SWNPDES1	DISMET	Lead, Dissolved	UG/L	5.00E+00	ND	8.64E+00	5.79E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Lead, Dissolved	ug/L	1.00E+01	ND	8.64E+00	1.16E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Manganese, Dissolved	ug/L	3.00E-01	ND	1.20E+02	2.50E-03	none
SW	CHANNEL	SWSW	DISMET	Manganese, Dissolved	ug/L	2.00E+01	DET	1.20E+02	1.67E-01	none
SW	CHANNEL	SWSW	DISMET	Manganese, Dissolved	ug/L	3.70E+01	DET	1.20E+02	3.08E-01	none
SW	CHANNEL	EFFLUENT	DISMET	Manganese, Dissolved	ug/L	4.20E+01	DET	1.20E+02	3.50E-01	none
SW	CHANNEL	SWSW	DISMET	Manganese, Dissolved	ug/L	4.35E+01	DET	1.20E+02	3.63E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Manganese, Dissolved	ug/L	7.70E+01	DET	1.20E+02	6.42E-01	none
SW	CHANNEL	SWSW	DISMET	Manganese, Dissolved	ug/L	9.00E+01	DET	1.20E+02	7.50E-01	none
SW	CHANNEL	SWSW	DISMET	Manganese, Dissolved	ug/L	9.32E+01	DET	1.20E+02	7.77E-01	none
SW	CHANNEL	SWSW	DISMET	Manganese, Dissolved	ug/L	9.83E+01	DET	1.20E+02	8.19E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Manganese, Dissolved	ug/L	1.06E+02	DET	1.20E+02	8.83E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Manganese, Dissolved	ug/L	1.10E+02	DET	1.20E+02	9.17E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Manganese, Dissolved	ug/L	1.40E+02	DET	1.20E+02	1.17E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Manganese, Dissolved	ug/L	1.80E+02	DET	1.20E+02	1.50E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Manganese, Dissolved	ug/L	2.04E+02	DET	1.20E+02	1.70E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Manganese, Dissolved	ug/L	2.10E+02	DET	1.20E+02	1.75E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Manganese, Dissolved	ug/L	2.34E+02	DET	1.20E+02	1.95E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Manganese, Dissolved	ug/L	2.40E+02	DET	1.20E+02	2.00E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Manganese, Dissolved	ug/L	2.70E+02	DET	1.20E+02	2.25E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Manganese, Dissolved	ug/L	3.10E+02	DET	1.20E+02	2.58E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Manganese, Dissolved	ug/L	3.50E+02	DET	1.20E+02	2.92E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Manganese, Dissolved	ug/L	3.90E+02	DET	1.20E+02	3.25E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Manganese, Dissolved	ug/L	3.95E+02	DET	1.20E+02	3.29E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Manganese, Dissolved	ug/L	4.40E+02	DET	1.20E+02	3.67E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Manganese, Dissolved	ug/L	4.44E+02	DET	1.20E+02	3.70E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Manganese, Dissolved	ug/L	4.50E+02	DET	1.20E+02	3.75E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Manganese, Dissolved	ug/L	4.70E+02	DET	1.20E+02	3.92E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Manganese, Dissolved	ug/L	4.70E+02	DET	1.20E+02	3.92E+00	poss-det
SW	CHANNEL	SWNPDES1	DISMET	Manganese, Dissolved	ug/L	4.90E+02	DET	1.20E+02	4.08E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Manganese, Dissolved	ug/L	5.03E+02	DET	1.20E+02	4.19E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Manganese, Dissolved	ug/L	5.73E+02	DET	1.20E+02	4.78E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Manganese, Dissolved	ug/L	5.90E+02	DET	1.20E+02	4.92E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Manganese, Dissolved	ug/L	7.10E+02	DET	1.20E+02	5.92E+00	poss-det
SW	CHANNEL	SWNPDES1	DISMET	Manganese, Dissolved	ug/L	7.10E+02	DET	1.20E+02	5.92E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Manganese, Dissolved	ug/L	1.00E+03	DET	1.20E+02	8.33E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Manganese, Dissolved	ug/L	1.20E+03	DET	1.20E+02	1.00E+01	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Manganese, Dissolved	ug/L	1.46E+03	DET	1.20E+02	1.22E+01	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Manganese, Dissolved	ug/L	2.56E+03	DET	1.20E+02	2.13E+01	poss-det
SW	CHANNEL	SWSW	DISMET	Nickel, Dissolved	ug/L	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	ug/L	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	CHANNEL	SWNPDES3	DISMET	Nickel, Dissolved	ug/L	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	CHANNEL	SWSW	DISMET	Nickel, Dissolved	ug/L	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	ug/L	1.20E+00	ND	1.38E+02	8.67E-03	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	DISMET	Nickel, Dissolved	ug/L	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	CHANNEL	SWSW	DISMET	Nickel, Dissolved	ug/L	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	ug/L	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	ug/L	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	CHANNEL	SWNPDES3	DISMET	Nickel, Dissolved	ug/L	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	CHANNEL	SWSW	DISMET	Nickel, Dissolved	ug/L	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	CHANNEL	SWSW	DISMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.38E+02	3.79E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.38E+02	3.79E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.38E+02	3.79E-02	none
SW	CHANNEL	EFFLUENT	DISMET	Nickel, Dissolved	ug/L	3.90E+01	DET	1.38E+02	2.82E-01	none
SW	CHANNEL	SWSW	DISMET	Nickel, Dissolved	ug/L	4.00E+01	DET	1.38E+02	2.89E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Nickel, Dissolved	ug/L	4.00E+01	ND	1.38E+02	2.89E-01	none
SW	CHANNEL	SWSW	DISMET	Nickel, Dissolved	UG/L	4.00E+01	ND	1.38E+02	2.89E-01	none
SW	CHANNEL	SWSW	DISMET	Nickel, Dissolved	ug/L	4.00E+01	ND	1.38E+02	2.89E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Nickel, Dissolved	ug/L	4.00E+01	ND	1.38E+02	2.89E-01	none
SW	CHANNEL	SWNPDES1	DISMET	Nickel, Dissolved	ug/L	4.00E+01	ND	1.38E+02	2.89E-01	none
SW	CHANNEL	SWNPDES1	DISMET	Nickel, Dissolved	ug/L	4.00E+01	ND	1.38E+02	2.89E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	ug/L	4.00E+01	ND	1.38E+02	2.89E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Nickel, Dissolved	ug/L	4.56E+01	DET	1.38E+02	3.29E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	ug/L	6.00E+01	DET	1.38E+02	4.34E-01	none
SW	CHANNEL	SWSW	DISMET	Nickel, Dissolved	ug/L	7.00E+01	DET	1.38E+02	5.06E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Nickel, Dissolved	UG/L	7.10E+01	DET	1.38E+02	5.13E-01	none
SW	CHANNEL	SWSW	DISMET	Nickel, Dissolved	ug/L	8.00E+01	DET	1.38E+02	5.78E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Nickel, Dissolved	ug/L	8.10E+01	DET	1.38E+02	5.85E-01	none
SW	CHANNEL	SWNPDES1	DISMET	Nickel, Dissolved	UG/L	8.80E+01	DET	1.38E+02	6.36E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Nickel, Dissolved	ug/L	1.20E+02	DET	1.38E+02	8.67E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	UG/L	1.30E+02	DET	1.38E+02	9.39E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	ug/L	1.70E+02	DET	1.38E+02	1.23E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Nickel, Dissolved	ug/L	2.00E+02	DET	1.38E+02	1.45E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	ug/L	2.00E+02	DET	1.38E+02	1.45E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	ug/L	2.40E+02	DET	1.38E+02	1.73E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	ug/L	3.70E+02	DET	1.38E+02	2.67E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Nickel, Dissolved	ug/L	3.90E+02	DET	1.38E+02	2.82E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Nickel, Dissolved	ug/L	4.20E+02	DET	1.38E+02	3.03E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Nickel, Dissolved	ug/L	8.90E+02	DET	1.38E+02	6.43E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Nickel, Dissolved	ug/L	1.10E+03	DET	1.38E+02	7.95E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWSW	DISMET	Selenium, Dissolved	ug/L	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	ug/L	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Selenium, Dissolved	ug/L	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	CHANNEL	SWSW	DISMET	Selenium, Dissolved	ug/L	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Selenium, Dissolved	ug/L	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	CHANNEL	SWSW	DISMET	Selenium, Dissolved	ug/L	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	ug/L	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Selenium, Dissolved	ug/L	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	CHANNEL	SWSW	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	UG/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Selenium, Dissolved	UG/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	EFFLUENT	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Selenium, Dissolved	UG/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Selenium, Dissolved	UG/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	ug/L	5.40E+00	DET	5.00E+00	1.08E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	ug/L	6.00E+00	DET	5.00E+00	1.20E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Selenium, Dissolved	ug/L	1.34E+01	DET	5.00E+00	2.68E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Selenium, Dissolved	ug/L	1.73E+01	DET	5.00E+00	3.46E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Selenium, Dissolved	ug/L	4.72E+01	DET	5.00E+00	9.44E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Selenium, Dissolved	ug/L	5.87E+01	DET	5.00E+00	1.17E+01	poss-det
SW	CHANNEL	SWSW	DISMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	DISMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWSW	DISMET	Silver, Dissolved	ug/L	1.81E+00	ND	3.60E-01	5.03E+00	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Silver, Dissolved	ug/L	1.81E+00	ND	3.60E-01	5.03E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Silver, Dissolved	ug/L	1.81E+00	ND	3.60E-01	5.03E+00	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Silver, Dissolved	UG/L	1.00E+01	ND	3.60E-01	2.78E+01	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Silver, Dissolved	UG/L	1.00E+01	ND	3.60E-01	2.78E+01	poss-ND
SW	CHANNEL	SWSW	DISMET	Silver, Dissolved	UG/L	1.00E+01	ND	3.60E-01	2.78E+01	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Silver, Dissolved	UG/L	1.00E+01	ND	3.60E-01	2.78E+01	poss-ND
SW	CHANNEL	SWNPDES2	DISMET	Thallium, Dissolved	UG/L	2.00E+03	ND	1.20E+01	1.67E+02	poss-ND
SW	CHANNEL	SWNPDES3	DISMET	Thallium, Dissolved	UG/L	2.00E+03	ND	1.20E+01	1.67E+02	poss-ND
SW	CHANNEL	SWSW	DISMET	Thallium, Dissolved	UG/L	2.00E+03	ND	1.20E+01	1.67E+02	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Thallium, Dissolved	UG/L	2.00E+03	ND	1.20E+01	1.67E+02	poss-ND
SW	CHANNEL	SWSW	DISMET	Vanadium, Dissolved	ug/L	2.00E-01	ND	2.00E+01	1.00E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Vanadium, Dissolved	ug/L	2.00E-01	ND	2.00E+01	1.00E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	ug/L	2.00E-01	ND	2.00E+01	1.00E-02	none
SW	CHANNEL	SWSW	DISMET	Vanadium, Dissolved	ug/L	2.00E-01	ND	2.00E+01	1.00E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Vanadium, Dissolved	ug/L	2.00E-01	ND	2.00E+01	1.00E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Vanadium, Dissolved	ug/L	2.00E-01	ND	2.00E+01	1.00E-02	none
SW	CHANNEL	SWSW	DISMET	Vanadium, Dissolved	ug/L	2.00E-01	ND	2.00E+01	1.00E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	ug/L	2.00E-01	ND	2.00E+01	1.00E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	ug/L	2.00E-01	ND	2.00E+01	1.00E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Vanadium, Dissolved	ug/L	2.00E-01	ND	2.00E+01	1.00E-02	none
SW	CHANNEL	SWSW	DISMET	Vanadium, Dissolved	ug/L	2.00E-01	ND	2.00E+01	1.00E-02	none
SW	CHANNEL	SWSW	DISMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWNPDES3	DISMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	ug/L	1.00E+01	ND	2.00E+01	5.00E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Vanadium, Dissolved	ug/L	1.00E+01	ND	2.00E+01	5.00E-01	none
SW	CHANNEL	SWNPDES1	DISMET	Vanadium, Dissolved	ug/L	1.00E+01	ND	2.00E+01	5.00E-01	none
SW	CHANNEL	SWSW	DISMET	Vanadium, Dissolved	ug/L	1.00E+01	ND	2.00E+01	5.00E-01	none
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	ug/L	1.40E+01	DET	2.00E+01	7.00E-01	none
SW	CHANNEL	SWNPDES3	DISMET	Vanadium, Dissolved	UG/L	3.50E+01	DET	2.00E+01	1.75E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Vanadium, Dissolved	ug/L	5.00E+01	ND	2.00E+01	2.50E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Vanadium, Dissolved	ug/L	5.00E+01	ND	2.00E+01	2.50E+00	poss-ND
SW	CHANNEL	SWNPDES1	DISMET	Vanadium, Dissolved	UG/L	6.50E+01	DET	2.00E+01	3.25E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Vanadium, Dissolved	ug/L	7.00E+01	DET	2.00E+01	3.50E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Vanadium, Dissolved	ug/L	7.00E+01	DET	2.00E+01	3.50E+00	poss-det
SW	CHANNEL	EFFLUENT	DISMET	Vanadium, Dissolved	ug/L	7.50E+01	DET	2.00E+01	3.75E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Vanadium, Dissolved	UG/L	9.80E+01	DET	2.00E+01	4.90E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	ug/L	1.10E+02	DET	2.00E+01	5.50E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Vanadium, Dissolved	ug/L	1.10E+02	DET	2.00E+01	5.50E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	ug/L	1.21E+02	DET	2.00E+01	6.05E+00	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Vanadium, Dissolved	ug/L	1.40E+02	DET	2.00E+01	7.00E+00	poss-det
SW	CHANNEL	SWSW	DISMET	Vanadium, Dissolved	ug/L	1.90E+02	DET	2.00E+01	9.50E+00	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	UG/L	2.20E+02	DET	2.00E+01	1.10E+01	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Vanadium, Dissolved	ug/L	2.80E+02	DET	2.00E+01	1.40E+01	poss-det
SW	CHANNEL	SWSW	DISMET	Vanadium, Dissolved	ug/L	3.70E+02	DET	2.00E+01	1.85E+01	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	ug/L	3.70E+02	DET	2.00E+01	1.85E+01	poss-det
SW	CHANNEL	SWNPDES3	DISMET	Vanadium, Dissolved	ug/L	4.00E+02	DET	2.00E+01	2.00E+01	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	ug/L	4.20E+02	DET	2.00E+01	2.10E+01	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	ug/L	6.50E+02	DET	2.00E+01	3.25E+01	poss-det
SW	CHANNEL	SWSW	DISMET	Vanadium, Dissolved	ug/L	7.30E+02	DET	2.00E+01	3.65E+01	poss-det
SW	CHANNEL	SWNPDES2	DISMET	Vanadium, Dissolved	ug/L	8.00E+02	DET	2.00E+01	4.00E+01	poss-det
SW	CHANNEL	SWNPDES2	GENX	Alkalinity, total	ug/LCaCO	2.20E+04	DET	2.00E+04	1.10E+00	poss-det
SW	CHANNEL	SWNPDES2	GENX	Alkalinity, total	ug/L	3.84E+04	DET	2.00E+04	1.92E+00	poss-det
SW	CHANNEL	SWNPDES2	GENX	Alkalinity, total	ug/L	7.67E+04	DET	2.00E+04	3.84E+00	poss-det
SW	CHANNEL	SWNPDES3	GENX	Alkalinity, total	ug/L	9.37E+04	DET	2.00E+04	4.69E+00	poss-det
SW	CHANNEL	SWNPDES3	GENX	Alkalinity, total	ug/LCaCO	9.40E+04	DET	2.00E+04	4.70E+00	poss-det
SW	CHANNEL	SWNPDES3	GENX	Alkalinity, total	ug/L	9.58E+04	DET	2.00E+04	4.79E+00	poss-det
SW	CHANNEL	SWSW	GENX	Alkalinity, total	ug/L	1.04E+05	DET	2.00E+04	5.20E+00	poss-det
SW	CHANNEL	SWSW	GENX	Alkalinity, total	ug/L	1.08E+05	DET	2.00E+04	5.40E+00	poss-det
SW	CHANNEL	SWNPDES2	GENX	Alkalinity, total	ug/LCaCO	1.22E+05	DET	2.00E+04	6.10E+00	poss-det
SW	CHANNEL	SWNPDES3	GENX	Alkalinity, total	ug/LCaCO	1.28E+05	DET	2.00E+04	6.40E+00	poss-det
SW	CHANNEL	EFFLUENT	GENX	Alkalinity, total	ug/L	1.33E+05	DET	2.00E+04	6.65E+00	poss-det
SW	CHANNEL	SWSW	GENX	Alkalinity, total	ug/LCaCO	1.48E+05	DET	2.00E+04	7.40E+00	poss-det
SW	CHANNEL	SWSW	GENX	Alkalinity, total	ug/L	1.64E+05	DET	2.00E+04	8.20E+00	poss-det
SW	CHANNEL	SWNPDES3	GENX	Alkalinity, total	ug/L	1.72E+05	DET	2.00E+04	8.60E+00	poss-det
SW	CHANNEL	SWNPDES2	GENX	Alkalinity, total	ug/L	1.72E+05	DET	2.00E+04	8.60E+00	poss-det

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWSW	GENX	Alkalinity, total	ug/L	1.76E+05	DET	2.00E+04	8.80E+00	poss-det
SW	CHANNEL	SWNPDES1	GENX	Alkalinity, total	ug/LCaCO	1.76E+05	DET	2.00E+04	8.80E+00	poss-det
SW	CHANNEL	SWSW	GENX	Alkalinity, total	ug/LCaCO	1.80E+05	DET	2.00E+04	9.00E+00	poss-det
SW	CHANNEL	SWSW	GENX	Alkalinity, total	ug/L	1.80E+05	DET	2.00E+04	9.00E+00	poss-det
SW	CHANNEL	SWNPDES2	GENX	Alkalinity, total	ug/L	1.80E+05	DET	2.00E+04	9.00E+00	poss-det
SW	CHANNEL	SWNPDES3	GENX	Alkalinity, total	ug/L	1.88E+05	DET	2.00E+04	9.40E+00	poss-det
SW	CHANNEL	SWSW	GENX	Alkalinity, total	ug/L	1.90E+05	DET	2.00E+04	9.50E+00	poss-det
SW	CHANNEL	SWNPDES1	GENX	Alkalinity, total	ug/LCaCO	1.98E+05	DET	2.00E+04	9.90E+00	poss-det
SW	CHANNEL	SWNPDES2	GENX	Alkalinity, total	ug/L	2.04E+05	DET	2.00E+04	1.02E+01	poss-det
SW	CHANNEL	SWNPDES2	GENX	Alkalinity, total	ug/L	2.20E+05	DET	2.00E+04	1.10E+01	poss-det
SW	CHANNEL	SWSW	GENX	Alkalinity, total	ug/L	2.25E+05	DET	2.00E+04	1.13E+01	poss-det
SW	CHANNEL	SWNPDES3	GENX	Alkalinity, total	ug/L	2.51E+05	DET	2.00E+04	1.26E+01	poss-det
SW	CHANNEL	SWNPDES3	GENX	Alkalinity, total	ug/L	2.97E+05	DET	2.00E+04	1.49E+01	poss-det
SW	CHANNEL	SWNPDES2	GENX	Alkalinity, total	ug/LCaCO	3.20E+05	DET	2.00E+04	1.60E+01	poss-det
SW	CHANNEL	SWNPDES2	GENX	Alkalinity, total	ug/L	3.30E+05	DET	2.00E+04	1.65E+01	poss-det
SW	CHANNEL	SWNPDES3	GENX	Alkalinity, total	ug/L	3.40E+05	DET	2.00E+04	1.70E+01	poss-det
SW	CHANNEL	SWNPDES2	GENX	Alkalinity, total	ug/L	3.49E+05	DET	2.00E+04	1.75E+01	poss-det
SW	CHANNEL	SWNPDES3	GENX	Alkalinity, total	ug/L	4.30E+05	DET	2.00E+04	2.15E+01	poss-det
SW	CHANNEL	SWSW	GENX	Alkalinity, total	ug/L	4.52E+05	DET	2.00E+04	2.26E+01	poss-det
SW	CHANNEL	SWNPDES3	GENX	Alkalinity, total	ug/LCaCO	5.80E+05	DET	2.00E+04	2.90E+01	poss-det
SW	CHANNEL	SWSW	GENX	Alkalinity, total	ug/LCaCO	7.28E+05	DET	2.00E+04	3.64E+01	poss-det
SW	CHANNEL	SWNPDES2	GENX	Alkalinity, total	ug/LCaCO	7.70E+05	DET	2.00E+04	3.85E+01	poss-det
SW	CHANNEL	SWSW	GENX	Ammonia as NH3, total	ug/L	1.20E+02	DET	2.56E+00	4.69E+01	poss-det
SW	CHANNEL	SWSW	GENX	Ammonia as NH3, total	ug/L	1.90E+02	DET	2.56E+00	7.43E+01	poss-det
SW	CHANNEL	SWNPDES2	GENX	Ammonia as NH3, total	ug/L	2.10E+02	DET	2.56E+00	8.21E+01	poss-det
SW	CHANNEL	SWNPDES2	GENX	Ammonia as NH3, total	ug/L	3.30E+02	DET	2.56E+00	1.29E+02	poss-det
SW	CHANNEL	SWNPDES3	GENX	Ammonia as NH3, total	ug/L	3.40E+02	DET	2.56E+00	1.33E+02	poss-det
SW	CHANNEL	SWNPDES1	GENX	Ammonia as NH3, total	ug/L	4.00E+02	DET	2.56E+00	1.56E+02	poss-det
SW	CHANNEL	SWNPDES1	GENX	Ammonia as NH3, total	ug/L	5.10E+02	DET	2.56E+00	1.99E+02	poss-det
SW	CHANNEL	SWNPDES3	GENX	Ammonia as NH3, total	ug/L	7.50E+02	DET	2.56E+00	2.93E+02	poss-det
SW	CHANNEL	SWSW	GENX	Ammonia as NH3, total	ug/L	1.02E+03	DET	2.56E+00	3.99E+02	poss-det
SW	CHANNEL	SWNPDES2	GENX	Ammonia as NH3, total	ug/L	1.35E+03	DET	2.56E+00	5.28E+02	poss-det
SW	CHANNEL	SWNPDES2	GENX	Ammonia as NH3, total	ug/L	1.60E+03	DET	2.56E+00	6.25E+02	poss-det
SW	CHANNEL	SWNPDES3	GENX	Ammonia as NH3, total	ug/L	4.06E+03	DET	2.56E+00	1.59E+03	poss-det
SW	CHANNEL	SWSW	GENX	Chloride	ug/L	4.12E+04	DET	2.30E+05	1.79E-01	none
SW	CHANNEL	SWNPDES2	GENX	Chloride	ug/L	4.22E+04	DET	2.30E+05	1.83E-01	none
SW	CHANNEL	SWNPDES2	GENX	Chloride	ug/L	4.23E+04	DET	2.30E+05	1.84E-01	none
SW	CHANNEL	SWNPDES3	GENX	Chloride	ug/L	4.34E+04	DET	2.30E+05	1.89E-01	none
SW	CHANNEL	SWNPDES2	GENX	Chloride	ug/L	4.57E+04	DET	2.30E+05	1.99E-01	none
SW	CHANNEL	SWNPDES3	GENX	Chloride	ug/L	4.70E+04	DET	2.30E+05	2.04E-01	none
SW	CHANNEL	SWNPDES2	GENX	Chloride	ug/L	6.41E+04	DET	2.30E+05	2.79E-01	none
SW	CHANNEL	SWSW	GENX	Chloride	ug/L	6.75E+04	DET	2.30E+05	2.93E-01	none
SW	CHANNEL	SWNPDES3	GENX	Chloride	ug/L	7.15E+04	DET	2.30E+05	3.11E-01	none
SW	CHANNEL	SWSW	GENX	Chloride	ug/L	7.37E+04	DET	2.30E+05	3.20E-01	none
SW	CHANNEL	SWNPDES3	GENX	Chloride	ug/L	7.49E+04	DET	2.30E+05	3.26E-01	none
SW	CHANNEL	SWSW	GENX	Chloride	ug/L	7.83E+04	DET	2.30E+05	3.40E-01	none
SW	CHANNEL	SWNPDES1	GENX	Chloride	ug/L	8.01E+04	DET	2.30E+05	3.48E-01	none
SW	CHANNEL	SWSW	GENX	Chloride	ug/L	8.48E+04	DET	2.30E+05	3.69E-01	none
SW	CHANNEL	SWNPDES2	GENX	Chloride	ug/L	9.45E+04	DET	2.30E+05	4.11E-01	none
SW	CHANNEL	SWNPDES2	GENX	Chloride	ug/L	1.11E+05	DET	2.30E+05	4.83E-01	none
SW	CHANNEL	SWSW	GENX	Chloride	ug/L	1.24E+05	DET	2.30E+05	5.39E-01	none
SW	CHANNEL	SWNPDES3	GENX	Chloride	ug/L	1.33E+05	DET	2.30E+05	5.78E-01	none
SW	CHANNEL	SWSW	GENX	Chloride	ug/L	1.47E+05	DET	2.30E+05	6.39E-01	none
SW	CHANNEL	SWNPDES3	GENX	Chloride	ug/L	1.54E+05	DET	2.30E+05	6.70E-01	none
SW	CHANNEL	SWNPDES1	GENX	Chloride	ug/L	1.95E+05	DET	2.30E+05	8.48E-01	none
SW	CHANNEL	SWNPDES2	GENX	Chloride	ug/L	2.13E+05	DET	2.30E+05	9.26E-01	none
SW	CHANNEL	SWNPDES3	GENX	Chloride	ug/L	2.13E+05	DET	2.30E+05	9.26E-01	none
SW	CHANNEL	EFFLUENT	GENX	Chloride	ug/L	2.85E+05	DET	2.30E+05	1.24E+00	poss-det
SW	CHANNEL	SWNPDES2	GENX	Chloride	ug/L	2.88E+05	DET	2.30E+05	1.25E+00	poss-det
SW	CHANNEL	SWNPDES2	GENX	Chloride	ug/L	2.98E+05	DET	2.30E+05	1.30E+00	poss-det
SW	CHANNEL	SWNPDES3	GENX	Chloride	ug/L	3.14E+05	DET	2.30E+05	1.37E+00	poss-det
SW	CHANNEL	SWNPDES2	GENX	Chloride	ug/L	3.54E+05	DET	2.30E+05	1.54E+00	poss-det
SW	CHANNEL	SWSW	GENX	Chloride	ug/L	3.61E+05	DET	2.30E+05	1.57E+00	poss-det
SW	CHANNEL	SWNPDES3	GENX	Chloride	ug/L	3.61E+05	DET	2.30E+05	1.57E+00	poss-det
SW	CHANNEL	SWSW	GENX	Chloride	ug/L	3.79E+05	DET	2.30E+05	1.65E+00	poss-det
SW	CHANNEL	SWSW	GENX	Chloride	ug/L	3.86E+05	DET	2.30E+05	1.68E+00	poss-det
SW	CHANNEL	SWSW	GENX	Chloride	ug/L	3.94E+05	DET	2.30E+05	1.71E+00	poss-det
SW	CHANNEL	SWNPDES3	GENX	Chloride	ug/L	3.95E+05	DET	2.30E+05	1.72E+00	poss-det
SW	CHANNEL	SWNPDES2	GENX	Chloride	ug/L	4.05E+05	DET	2.30E+05	1.76E+00	poss-det
SW	CHANNEL	SWNPDES3	GENX	Chloride	ug/L	4.26E+05	DET	2.30E+05	1.85E+00	poss-det
SW	CHANNEL	SWNPDES2	GENX	Chloride	ug/L	5.10E+05	DET	2.30E+05	2.22E+00	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Nitrate as N	ug/L	25	ND	3.33E+02	7.51E-02	none
SW	CHANNEL	SW-NPDES3	GENX	Nitrate as N	ug/L	26	ND	3.33E+02	7.81E-02	none
SW	CHANNEL	SW-SW	GENX	Nitrate as N	ug/L	26	ND	3.33E+02	7.81E-02	none
SW	CHANNEL	SW-NPDES2	GENX	Nitrate as N	ug/L	26	ND	3.33E+02	7.81E-02	none
SW	CHANNEL	SW-SW	GENX	Nitrate as N	ug/L	34	ND	3.33E+02	1.02E-01	none
SW	CHANNEL	SW-NPDES2	GENX	Nitrate as N	ug/L	34	ND	3.33E+02	1.02E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Nitrate as N	ug/L	34	ND	3.33E+02	1.02E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SW-NPDES2	GENX	Nitrate as N	ug/L	34	ND	3.33E+02	1.02E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Nitrate as N	ug/L	34	ND	3.33E+02	1.02E-01	none
SW	CHANNEL	SW-SW	GENX	Nitrate as N	ug/L	34	ND	3.33E+02	1.02E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Nitrate as N	ug/L	57	DET	3.33E+02	1.71E-01	none
SW	CHANNEL	SW-SW	GENX	Nitrate as N	ug/L	60	ND	3.33E+02	1.80E-01	none
SW	CHANNEL	SW-NPDES2	GENX	Nitrate as N	ug/L	60	ND	3.33E+02	1.80E-01	none
SW	CHANNEL	SW-SW	GENX	Nitrate as N	ug/L	83	DET	3.33E+02	2.49E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Nitrate as N	ug/L	180	DET	3.33E+02	5.41E-01	none
SW	CHANNEL	SW-NPDES2	GENX	Nitrate as N	ug/L	200	ND	3.33E+02	6.01E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Nitrate as N	ug/L	200	ND	3.33E+02	6.01E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Nitrate as N	ug/L	200	ND	3.33E+02	6.01E-01	none
SW	CHANNEL	SW-SW	GENX	Nitrate as N	ug/L	200	ND	3.33E+02	6.01E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Nitrate as N	ug/L	200	ND	3.33E+02	6.01E-01	none
SW	CHANNEL	SW-SW	GENX	Nitrate as N	ug/L	200	ND	3.33E+02	6.01E-01	none
SW	CHANNEL	SW-SW	GENX	Nitrate as N	ug/L	200	ND	3.33E+02	6.01E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Nitrate as N	ug/L	200	ND	3.33E+02	6.01E-01	none
SW	CHANNEL	SW-NPDES1	GENX	Nitrate as N	ug/L	200	ND	3.33E+02	6.01E-01	none
SW	CHANNEL	SW-NPDES2	GENX	Nitrate as N	ug/L	200	ND	3.33E+02	6.01E-01	none
SW	CHANNEL	SW-NPDES2	GENX	Nitrate as N	ug/L	200	ND	3.33E+02	6.01E-01	none
SW	CHANNEL	JENTCHANNE	GENX	Nitrate as N	ug/L	220	DET	3.33E+02	6.61E-01	none
SW	CHANNEL	SW-NPDES2	GENX	Nitrate as N	ug/L	600	DET	3.33E+02	1.80E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrate as N	ug/L	600	DET	3.33E+02	1.80E+00	poss-det
SW	CHANNEL	SW-NPDES1	GENX	Nitrate as N	ug/L	1000	DET	3.33E+02	3.00E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrate as N	ug/L	1400	DET	3.33E+02	4.21E+00	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Nitrate as N	ug/L	2400	DET	3.33E+02	7.21E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrate as N	ug/L	2500	DET	3.33E+02	7.51E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrate as N	ug/L	4300	DET	3.33E+02	1.29E+01	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrate as N	ug/L	5000	DET	3.33E+02	1.50E+01	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrate as N	ug/L	5300	DET	3.33E+02	1.59E+01	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrate as N	ug/L	7400	DET	3.33E+02	2.22E+01	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Nitrite as N	ug/L	10	DET	2.25E+01	4.44E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Nitrite as N	ug/L	10	DET	2.25E+01	4.44E-01	none
SW	CHANNEL	SW-NPDES1	GENX	Nitrite as N	ug/L	20	ND	2.25E+01	8.89E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Nitrite as N	ug/L	20	DET	2.25E+01	8.89E-01	none
SW	CHANNEL	SW-SW	GENX	Nitrite as N	ug/L	25	ND	2.25E+01	1.11E+00	poss-ND
SW	CHANNEL	SW-NPDES2	GENX	Nitrite as N	ug/L	25	ND	2.25E+01	1.11E+00	poss-ND
SW	CHANNEL	SW-NPDES3	GENX	Nitrite as N	ug/L	25	ND	2.25E+01	1.11E+00	poss-ND
SW	CHANNEL	SW-SW	GENX	Nitrite as N	ug/L	25	ND	2.25E+01	1.11E+00	poss-ND
SW	CHANNEL	SW-NPDES3	GENX	Nitrite as N	ug/L	25	ND	2.25E+01	1.11E+00	poss-ND
SW	CHANNEL	SW-SW	GENX	Nitrite as N	ug/L	25	ND	2.25E+01	1.11E+00	poss-ND
SW	CHANNEL	SW-NPDES2	GENX	Nitrite as N	ug/L	25	ND	2.25E+01	1.11E+00	poss-ND
SW	CHANNEL	SW-NPDES3	GENX	Nitrite as N	ug/L	25	ND	2.25E+01	1.11E+00	poss-ND
SW	CHANNEL	SW-NPDES3	GENX	Nitrite as N	ug/L	30	ND	2.25E+01	1.33E+00	poss-ND
SW	CHANNEL	SW-SW	GENX	Nitrite as N	ug/L	30	ND	2.25E+01	1.33E+00	poss-ND
SW	CHANNEL	SW-NPDES2	GENX	Nitrite as N	ug/L	30	ND	2.25E+01	1.33E+00	poss-ND
SW	CHANNEL	SW-NPDES2	GENX	Nitrite as N	ug/L	30	DET	2.25E+01	1.33E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrite as N	ug/L	32	ND	2.25E+01	1.42E+00	poss-ND
SW	CHANNEL	SW-NPDES3	GENX	Nitrite as N	ug/L	32	ND	2.25E+01	1.42E+00	poss-ND
SW	CHANNEL	SW-NPDES2	GENX	Nitrite as N	ug/L	32	ND	2.25E+01	1.42E+00	poss-ND
SW	CHANNEL	SW-NPDES2	GENX	Nitrite as N	ug/L	53	DET	2.25E+01	2.36E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrite as N	ug/L	70	DET	2.25E+01	3.11E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrite as N	ug/L	100	ND	2.25E+01	4.44E+00	poss-ND
SW	CHANNEL	SW-NPDES3	GENX	Nitrite as N	ug/L	100	ND	2.25E+01	4.44E+00	poss-ND
SW	CHANNEL	SW-SW	GENX	Nitrite as N	ug/L	100	ND	2.25E+01	4.44E+00	poss-ND
SW	CHANNEL	SW-NPDES3	GENX	Nitrite as N	ug/L	100	ND	2.25E+01	4.44E+00	poss-ND
SW	CHANNEL	SW-SW	GENX	Nitrite as N	ug/L	100	ND	2.25E+01	4.44E+00	poss-ND
SW	CHANNEL	SW-NPDES3	GENX	Nitrite as N	ug/L	100	ND	2.25E+01	4.44E+00	poss-ND
SW	CHANNEL	SW-NPDES2	GENX	Nitrite as N	ug/L	100	ND	2.25E+01	4.44E+00	poss-ND
SW	CHANNEL	SW-NPDES2	GENX	Nitrite as N	ug/L	100	ND	2.25E+01	4.44E+00	poss-ND
SW	CHANNEL	SW-SW	GENX	Nitrite as N	ug/L	130	DET	2.25E+01	5.78E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrite as N	ug/L	130	DET	2.25E+01	5.78E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrite as N	ug/L	130	DET	2.25E+01	5.78E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrite as N	ug/L	160	DET	2.25E+01	7.11E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrite as N	ug/L	190	DET	2.25E+01	8.44E+00	poss-det
SW	CHANNEL	JENTCHANNE	GENX	Nitrite as N	ug/L	200	ND	2.25E+01	8.89E+00	poss-ND
SW	CHANNEL	SW-NPDES2	GENX	Nitrite as N	ug/L	210	DET	2.25E+01	9.33E+00	poss-det
SW	CHANNEL	SW-NPDES1	GENX	Nitrite as N	ug/L	240	DET	2.25E+01	1.07E+01	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrogen-TKN	ug/L	420	DET	5.04E+02	8.34E-01	none
SW	CHANNEL	SW-SW	GENX	Nitrogen-TKN	ug/L	450	DET	5.04E+02	8.93E-01	none
SW	CHANNEL	JENTCHANNE	GENX	Nitrogen-TKN	ug/L	470	DET	5.04E+02	9.33E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Nitrogen-TKN	ug/L	580	DET	5.04E+02	1.15E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrogen-TKN	ug/L	680	DET	5.04E+02	1.35E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrogen-TKN	ug/L	860	DET	5.04E+02	1.71E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrogen-TKN	ug/L	890	DET	5.04E+02	1.77E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrogen-TKN	ug/L	1100	DET	5.04E+02	2.18E+00	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Nitrogen-TKN	ug/L	1100	DET	5.04E+02	2.18E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrogen-TKN	ug/L	1200	DET	5.04E+02	2.38E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrogen-TKN	ug/L	1400	DET	5.04E+02	2.78E+00	poss-det

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SW-SW	GENX	Nitrogen-TKN	ug/L	1600	DET	5.04E+02	3.18E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrogen-TKN	ug/L	1800	DET	5.04E+02	3.57E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrogen-TKN	ug/L	1900	DET	5.04E+02	3.77E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrogen-TKN	ug/L	2000	ND	5.04E+02	3.97E+00	poss-ND
SW	CHANNEL	SW-SW	GENX	Nitrogen-TKN	ug/L	2000	ND	5.04E+02	3.97E+00	poss-ND
SW	CHANNEL	SW-SW	GENX	Nitrogen-TKN	ug/L	2000	ND	5.04E+02	3.97E+00	poss-ND
SW	CHANNEL	SW-NPDES3	GENX	Nitrogen-TKN	ug/L	2000	ND	5.04E+02	3.97E+00	poss-ND
SW	CHANNEL	SW-NPDES2	GENX	Nitrogen-TKN	ug/L	2000	ND	5.04E+02	3.97E+00	poss-ND
SW	CHANNEL	SW-NPDES2	GENX	Nitrogen-TKN	ug/L	2000	ND	5.04E+02	3.97E+00	poss-ND
SW	CHANNEL	SW-NPDES3	GENX	Nitrogen-TKN	ug/L	2300	DET	5.04E+02	4.57E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrogen-TKN	ug/L	2300	DET	5.04E+02	4.57E+00	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Nitrogen-TKN	ug/L	2500	DET	5.04E+02	4.96E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrogen-TKN	ug/L	2700	DET	5.04E+02	5.36E+00	poss-det
SW	CHANNEL	SW-NPDES1	GENX	Nitrogen-TKN	ug/L	2700	DET	5.04E+02	5.36E+00	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Nitrogen-TKN	ug/L	2800	DET	5.04E+02	5.56E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Nitrogen-TKN	ug/L	2800	DET	5.04E+02	5.56E+00	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Nitrogen-TKN	ug/L	2900	DET	5.04E+02	5.76E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrogen-TKN	ug/L	3000	DET	5.04E+02	5.96E+00	poss-det
SW	CHANNEL	SW-NPDES1	GENX	Nitrogen-TKN	ug/L	3100	DET	5.04E+02	6.15E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrogen-TKN	ug/L	3200	DET	5.04E+02	6.35E+00	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Nitrogen-TKN	ug/L	3400	DET	5.04E+02	6.75E+00	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Nitrogen-TKN	ug/L	3500	DET	5.04E+02	6.95E+00	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Nitrogen-TKN	ug/L	6600	DET	5.04E+02	1.31E+01	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Nitrogen-TKN	ug/L	6700	DET	5.04E+02	1.33E+01	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrogen-TKN	ug/L	7100	DET	5.04E+02	1.41E+01	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Nitrogen-TKN	ug/L	10100	DET	5.04E+02	2.01E+01	poss-det
SW	CHANNEL	SW-SW	GENX	Total Suspended Solids	ug/L	2000	ND	3.60E+04	5.56E-02	none
SW	CHANNEL	SW-SW	GENX	Total Suspended Solids	ug/L	2000	ND	3.60E+04	5.56E-02	none
SW	CHANNEL	SW-NPDES2	GENX	Total Suspended Solids	ug/L	6000	DET	3.60E+04	1.67E-01	none
SW	CHANNEL	SW-NPDES2	GENX	Total Suspended Solids	ug/L	7000	DET	3.60E+04	1.94E-01	none
SW	CHANNEL	SW-SW	GENX	Total Suspended Solids	ug/L	9000	DET	3.60E+04	2.50E-01	none
SW	CHANNEL	SW-NPDES2	GENX	Total Suspended Solids	ug/L	17000	DET	3.60E+04	4.72E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Total Suspended Solids	ug/L	17000	DET	3.60E+04	4.72E-01	none
SW	CHANNEL	SW-NPDES2	GENX	Total Suspended Solids	ug/L	21000	DET	3.60E+04	5.83E-01	none
SW	CHANNEL	SW-SW	GENX	Total Suspended Solids	ug/L	29000	DET	3.60E+04	8.06E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Total Suspended Solids	ug/L	33000	DET	3.60E+04	9.17E-01	none
SW	CHANNEL	SW-NPDES3	GENX	Total Suspended Solids	ug/L	36000	DET	3.60E+04	1.00E+00	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Total Suspended Solids	ug/L	106000	DET	3.60E+04	2.94E+00	poss-det
SW	CHANNEL	SW-NPDES2	GENX	Total Suspended Solids	ug/L	130000	DET	3.60E+04	3.61E+00	poss-det
SW	CHANNEL	SW-SW	GENX	Total Suspended Solids	ug/L	209000	DET	3.60E+04	5.81E+00	poss-det
SW	CHANNEL	SW-NPDES3	GENX	Total Suspended Solids	ug/L	843000	DET	3.60E+04	2.34E+01	poss-det
SW	CHANNEL	SWNPDES2	PCB	Aroclor-1016	UG/L	2.50E-01	ND	1.40E-02	1.79E+01	poss-ND
SW	CHANNEL	SWNPDES3	PCB	Aroclor-1016	UG/L	2.50E-01	ND	1.40E-02	1.79E+01	poss-ND
SW	CHANNEL	SWSW	PCB	Aroclor-1016	UG/L	2.50E-01	ND	1.40E-02	1.79E+01	poss-ND
SW	CHANNEL	SWNPDES1	PCB	Aroclor-1016	UG/L	2.50E-01	ND	1.40E-02	1.79E+01	poss-ND
SW	CHANNEL	SWSW	PCB	Aroclor-1016	ug/L	5.00E-01	ND	1.40E-02	3.57E+01	poss-ND
SW	CHANNEL	SWNPDES3	PCB	Aroclor-1016	ug/L	5.00E-01	ND	1.40E-02	3.57E+01	poss-ND
SW	CHANNEL	SWNPDES1	PCB	Aroclor-1016	ug/L	5.00E-01	ND	1.40E-02	3.57E+01	poss-ND
SW	CHANNEL	SWNPDES2	PCB	Aroclor-1016	ug/L	5.00E-01	ND	1.40E-02	3.57E+01	poss-ND
SW	CHANNEL	SWNPDES2	PCB	Aroclor-1221	UG/L	2.50E-01	ND	2.80E-01	8.93E-01	none
SW	CHANNEL	SWSW	PCB	Aroclor-1221	UG/L	2.50E-01	ND	2.80E-01	8.93E-01	none
SW	CHANNEL	SWNPDES3	PCB	Aroclor-1221	UG/L	2.50E-01	ND	2.80E-01	8.93E-01	none
SW	CHANNEL	SWNPDES1	PCB	Aroclor-1221	UG/L	2.50E-01	ND	2.80E-01	8.93E-01	none
SW	CHANNEL	SWNPDES3	PCB	Aroclor-1221	ug/L	5.00E-01	ND	2.80E-01	1.79E+00	poss-ND
SW	CHANNEL	SWSW	PCB	Aroclor-1221	ug/L	5.00E-01	ND	2.80E-01	1.79E+00	poss-ND
SW	CHANNEL	SWNPDES1	PCB	Aroclor-1221	ug/L	5.00E-01	ND	2.80E-01	1.79E+00	poss-ND
SW	CHANNEL	SWNPDES2	PCB	Aroclor-1221	ug/L	5.00E-01	ND	2.80E-01	1.79E+00	poss-ND
SW	CHANNEL	SWNPDES2	PCB	Aroclor-1242	UG/L	2.50E-01	ND	5.30E-02	4.72E+00	poss-ND
SW	CHANNEL	SWNPDES3	PCB	Aroclor-1242	UG/L	2.50E-01	ND	5.30E-02	4.72E+00	poss-ND
SW	CHANNEL	SWSW	PCB	Aroclor-1242	UG/L	2.50E-01	ND	5.30E-02	4.72E+00	poss-ND
SW	CHANNEL	SWNPDES1	PCB	Aroclor-1242	UG/L	2.50E-01	ND	5.30E-02	4.72E+00	poss-ND
SW	CHANNEL	SWSW	PCB	Aroclor-1242	ug/L	5.00E-01	ND	5.30E-02	9.43E+00	poss-ND
SW	CHANNEL	SWNPDES3	PCB	Aroclor-1242	ug/L	5.00E-01	ND	5.30E-02	9.43E+00	poss-ND
SW	CHANNEL	SWNPDES1	PCB	Aroclor-1242	ug/L	5.00E-01	ND	5.30E-02	9.43E+00	poss-ND
SW	CHANNEL	SWNPDES2	PCB	Aroclor-1242	ug/L	5.00E-01	ND	5.30E-02	9.43E+00	poss-ND
SW	CHANNEL	SWNPDES2	PCB	Aroclor-1248	UG/L	2.50E-01	ND	8.10E-02	3.09E+00	poss-ND
SW	CHANNEL	SWNPDES3	PCB	Aroclor-1248	UG/L	2.50E-01	ND	8.10E-02	3.09E+00	poss-ND
SW	CHANNEL	SWSW	PCB	Aroclor-1248	UG/L	2.50E-01	ND	8.10E-02	3.09E+00	poss-ND
SW	CHANNEL	SWNPDES1	PCB	Aroclor-1248	UG/L	2.50E-01	ND	8.10E-02	3.09E+00	poss-ND
SW	CHANNEL	SWSW	PCB	Aroclor-1248	ug/L	5.00E-01	ND	8.10E-02	6.17E+00	poss-ND
SW	CHANNEL	SWNPDES3	PCB	Aroclor-1248	ug/L	5.00E-01	ND	8.10E-02	6.17E+00	poss-ND
SW	CHANNEL	SWNPDES1	PCB	Aroclor-1248	ug/L	5.00E-01	ND	8.10E-02	6.17E+00	poss-ND
SW	CHANNEL	SWNPDES2	PCB	Aroclor-1248	ug/L	5.00E-01	ND	8.10E-02	6.17E+00	poss-ND
SW	CHANNEL	SWNPDES2	PCB	Aroclor-1254	UG/L	2.50E-01	ND	3.30E-02	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	PCB	Aroclor-1254	UG/L	2.50E-01	ND	3.30E-02	7.58E+00	poss-ND
SW	CHANNEL	SWSW	PCB	Aroclor-1254	UG/L	2.50E-01	ND	3.30E-02	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES1	PCB	Aroclor-1254	UG/L	2.50E-01	ND	3.30E-02	7.58E+00	poss-ND
SW	CHANNEL	SWSW	PCB	Aroclor-1254	ug/L	5.00E-01	ND	3.30E-02	1.52E+01	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	PCB	Aroclor-1254	ug/L	5.00E-01	ND	3.30E-02	1.52E+01	poss-ND
SW	CHANNEL	SWNPDES1	PCB	Aroclor-1254	ug/L	5.00E-01	ND	3.30E-02	1.52E+01	poss-ND
SW	CHANNEL	SWNPDES2	PCB	Aroclor-1254	ug/L	5.00E-01	ND	3.30E-02	1.52E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/L	1.07E+00	ND	3.00E+01	3.57E-02	none
SW	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/L	1.07E+00	ND	3.00E+01	3.57E-02	none
SW	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/L	1.07E+00	ND	3.00E+01	3.57E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/L	1.07E+00	ND	3.00E+01	3.57E-02	none
SW	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/L	1.07E+00	ND	3.00E+01	3.57E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/L	1.07E+00	ND	3.00E+01	3.57E-02	none
SW	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/L	1.28E+00	ND	3.00E+01	4.27E-02	none
SW	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/L	1.28E+00	ND	3.00E+01	4.27E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/L	1.28E+00	ND	3.00E+01	4.27E-02	none
SW	CHANNEL	SW1	SVOA	1,2,4-Trichlorobenzene	UG/L	2.00E+00	ND	3.00E+01	6.67E-02	none
SW	CHANNEL	SW3	SVOA	1,2,4-Trichlorobenzene	UG/L	2.00E+00	ND	3.00E+01	6.67E-02	none
SW	CHANNEL	SW2	SVOA	1,2,4-Trichlorobenzene	UG/L	2.00E+00	ND	3.00E+01	6.67E-02	none
SW	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/L	2.10E+00	ND	3.00E+01	7.00E-02	none
SW	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/L	2.10E+00	ND	3.00E+01	7.00E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/L	2.10E+00	ND	3.00E+01	7.00E-02	none
SW	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/L	2.10E+00	ND	3.00E+01	7.00E-02	none
SW	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/L	2.10E+00	ND	3.00E+01	7.00E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/L	2.10E+00	ND	3.00E+01	7.00E-02	none
SW	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	UG/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	EFFLUENT	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	UG/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	1,2,4-Trichlorobenzene	UG/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	UG/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/L	5.50E-01	ND	1.40E+01	3.93E-02	none
SW	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/L	5.50E-01	ND	1.40E+01	3.93E-02	none
SW	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/L	5.50E-01	ND	1.40E+01	3.93E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/L	5.50E-01	ND	1.40E+01	3.93E-02	none
SW	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/L	5.50E-01	ND	1.40E+01	3.93E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/L	5.50E-01	ND	1.40E+01	3.93E-02	none
SW	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/L	1.21E+00	ND	1.40E+01	8.64E-02	none
SW	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/L	1.21E+00	ND	1.40E+01	8.64E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/L	1.21E+00	ND	1.40E+01	8.64E-02	none
SW	CHANNEL	SW1	SVOA	1,2-Dichlorobenzene	UG/L	2.00E+00	ND	1.40E+01	1.43E-01	none
SW	CHANNEL	SW3	SVOA	1,2-Dichlorobenzene	UG/L	2.00E+00	ND	1.40E+01	1.43E-01	none
SW	CHANNEL	SW2	SVOA	1,2-Dichlorobenzene	UG/L	2.00E+00	ND	1.40E+01	1.43E-01	none
SW	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/L	2.70E+00	ND	1.40E+01	1.93E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/L	2.70E+00	ND	1.40E+01	1.93E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/L	2.70E+00	ND	1.40E+01	1.93E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/L	2.70E+00	ND	1.40E+01	1.93E-01	none
SW	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/L	2.70E+00	ND	1.40E+01	1.93E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/L	2.70E+00	ND	1.40E+01	1.93E-01	none
SW	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	UG/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES1	SVOA	1,2-Dichlorobenzene	UG/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	EFFLUENT	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	UG/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES1	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES1	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/L	1.00E+01	ND	1.40E+01	7.14E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	UG/L	1.00E+02	ND	1.40E+01	7.14E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/L	5.40E-01	ND	3.80E+01	1.42E-02	none
SW	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/L	5.40E-01	ND	3.80E+01	1.42E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/L	5.40E-01	ND	3.80E+01	1.42E-02	none
SW	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/L	5.40E-01	ND	3.80E+01	1.42E-02	none
SW	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/L	5.40E-01	ND	3.80E+01	1.42E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/L	5.40E-01	ND	3.80E+01	1.42E-02	none
SW	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/L	1.13E+00	ND	3.80E+01	2.97E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/L	1.13E+00	ND	3.80E+01	2.97E-02	none
SW	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/L	1.13E+00	ND	3.80E+01	2.97E-02	none
SW	CHANNEL	SW3	SVOA	1,3-Dichlorobenzene	UG/L	2.00E+00	ND	3.80E+01	5.26E-02	none
SW	CHANNEL	SW2	SVOA	1,3-Dichlorobenzene	UG/L	2.00E+00	ND	3.80E+01	5.26E-02	none
SW	CHANNEL	SW1	SVOA	1,3-Dichlorobenzene	UG/L	2.00E+00	ND	3.80E+01	5.26E-02	none
SW	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/L	2.20E+00	ND	3.80E+01	5.79E-02	none
SW	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/L	2.20E+00	ND	3.80E+01	5.79E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/L	2.20E+00	ND	3.80E+01	5.79E-02	none
SW	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/L	2.20E+00	ND	3.80E+01	5.79E-02	none
SW	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/L	2.20E+00	ND	3.80E+01	5.79E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/L	2.20E+00	ND	3.80E+01	5.79E-02	none
SW	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	UG/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	EFFLUENT	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	UG/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES1	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES1	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES1	SVOA	1,3-Dichlorobenzene	UG/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/L	1.00E+01	ND	3.80E+01	2.63E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	UG/L	1.00E+02	ND	3.80E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/L	4.70E-01	ND	9.40E+00	5.00E-02	none
SW	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/L	4.70E-01	ND	9.40E+00	5.00E-02	none
SW	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/L	4.70E-01	ND	9.40E+00	5.00E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/L	4.70E-01	ND	9.40E+00	5.00E-02	none
SW	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/L	4.70E-01	ND	9.40E+00	5.00E-02	none
SW	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/L	4.70E-01	ND	9.40E+00	5.00E-02	none
SW	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/L	1.11E+00	ND	9.40E+00	1.18E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/L	1.11E+00	ND	9.40E+00	1.18E-01	none
SW	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/L	1.11E+00	ND	9.40E+00	1.18E-01	none
SW	CHANNEL	SW3	SVOA	1,4-Dichlorobenzene	UG/L	2.00E+00	ND	9.40E+00	2.13E-01	none
SW	CHANNEL	SW2	SVOA	1,4-Dichlorobenzene	UG/L	2.00E+00	ND	9.40E+00	2.13E-01	none
SW	CHANNEL	SW1	SVOA	1,4-Dichlorobenzene	UG/L	2.00E+00	ND	9.40E+00	2.13E-01	none
SW	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/L	2.30E+00	ND	9.40E+00	2.45E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/L	2.30E+00	ND	9.40E+00	2.45E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/L	2.30E+00	ND	9.40E+00	2.45E-01	none
SW	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/L	2.30E+00	ND	9.40E+00	2.45E-01	none
SW	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/L	2.30E+00	ND	9.40E+00	2.45E-01	none
SW	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/L	2.30E+00	ND	9.40E+00	2.45E-01	none
SW	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	UG/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	UG/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	1,4-Dichlorobenzene	UG/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/L	1.00E+01	ND	9.40E+00	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	UG/L	1.00E+02	ND	9.40E+00	1.06E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/L	4.70E-01	ND	4.90E+00	9.59E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/L	4.70E-01	ND	4.90E+00	9.59E-02	none
SW	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/L	4.70E-01	ND	4.90E+00	9.59E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/L	4.70E-01	ND	4.90E+00	9.59E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/L	4.70E-01	ND	4.90E+00	9.59E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/L	1.59E+00	ND	4.90E+00	3.24E-01	none
SW	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/L	1.59E+00	ND	4.90E+00	3.24E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/L	1.59E+00	ND	4.90E+00	3.24E-01	none
SW	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/L	1.80E+00	ND	4.90E+00	3.67E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/L	1.80E+00	ND	4.90E+00	3.67E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/L	1.80E+00	ND	4.90E+00	3.67E-01	none
SW	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/L	1.80E+00	ND	4.90E+00	3.67E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/L	1.80E+00	ND	4.90E+00	3.67E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/L	1.80E+00	ND	4.90E+00	3.67E-01	none
SW	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	UG/L	5.00E+01	ND	4.90E+00	1.02E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	UG/L	5.00E+01	ND	4.90E+00	1.02E+01	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	2,4,5-Trichlorophenol	UG/L	5.00E+01	ND	4.90E+00	1.02E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	UG/L	5.00E+02	ND	4.90E+00	1.02E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/L	5.90E-01	ND	4.90E+00	1.20E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/L	5.90E-01	ND	4.90E+00	1.20E-01	none
SW	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/L	5.90E-01	ND	4.90E+00	1.20E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/L	5.90E-01	ND	4.90E+00	1.20E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/L	5.90E-01	ND	4.90E+00	1.20E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/L	1.52E+00	ND	4.90E+00	3.10E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/L	1.52E+00	ND	4.90E+00	3.10E-01	none
SW	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/L	1.52E+00	ND	4.90E+00	3.10E-01	none
SW	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/L	6.40E+00	ND	4.90E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/L	6.40E+00	ND	4.90E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/L	6.40E+00	ND	4.90E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/L	6.40E+00	ND	4.90E+00	1.31E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/L	6.40E+00	ND	4.90E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/L	6.40E+00	ND	4.90E+00	1.31E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	UG/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	UG/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	2,4,6-Trichlorophenol	UG/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/L	1.00E+01	ND	4.90E+00	2.04E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	UG/L	1.00E+02	ND	4.90E+00	2.04E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/L	5.10E-01	ND	1.10E+01	4.64E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/L	5.10E-01	ND	1.10E+01	4.64E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/L	5.10E-01	ND	1.10E+01	4.64E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/L	5.10E-01	ND	1.10E+01	4.64E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/L	5.10E-01	ND	1.10E+01	4.64E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/L	1.67E+00	ND	1.10E+01	1.52E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/L	1.67E+00	ND	1.10E+01	1.52E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/L	1.67E+00	ND	1.10E+01	1.52E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/L	4.50E+00	ND	1.10E+01	4.09E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/L	4.50E+00	ND	1.10E+01	4.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/L	4.50E+00	ND	1.10E+01	4.09E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/L	4.50E+00	ND	1.10E+01	4.09E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/L	4.50E+00	ND	1.10E+01	4.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/L	4.50E+00	ND	1.10E+01	4.09E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	UG/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	EFFLUENT	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	UG/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2,4-Dichlorophenol	UG/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/L	1.00E+01	ND	1.10E+01	9.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	UG/L	1.00E+02	ND	1.10E+01	9.09E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/L	1.35E+00	ND	1.00E+02	1.35E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/L	1.35E+00	ND	1.00E+02	1.35E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/L	1.35E+00	ND	1.00E+02	1.35E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/L	1.35E+00	ND	1.00E+02	1.35E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/L	1.35E+00	ND	1.00E+02	1.35E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/L	2.90E+00	ND	1.00E+02	2.90E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/L	2.90E+00	ND	1.00E+02	2.90E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/L	2.90E+00	ND	1.00E+02	2.90E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/L	2.90E+00	ND	1.00E+02	2.90E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/L	2.90E+00	ND	1.00E+02	2.90E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/L	2.90E+00	ND	1.00E+02	2.90E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/L	4.71E+00	ND	1.00E+02	4.71E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/L	4.71E+00	ND	1.00E+02	4.71E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/L	4.71E+00	ND	1.00E+02	4.71E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	UG/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	EFFLUENT	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	UG/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2,4-Dimethylphenol	UG/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/L	1.00E+01	ND	1.00E+02	1.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	UG/L	1.00E+02	ND	1.00E+02	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/L	1.36E+00	ND	1.90E+01	7.16E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/L	1.36E+00	ND	1.90E+01	7.16E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/L	1.36E+00	ND	1.90E+01	7.16E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/L	1.36E+00	ND	1.90E+01	7.16E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/L	1.36E+00	ND	1.90E+01	7.16E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/L	1.70E+00	ND	1.90E+01	8.95E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/L	1.70E+00	ND	1.90E+01	8.95E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/L	1.70E+00	ND	1.90E+01	8.95E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/L	2.10E+00	ND	1.90E+01	1.11E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/L	2.10E+00	ND	1.90E+01	1.11E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/L	2.10E+00	ND	1.90E+01	1.11E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/L	2.10E+00	ND	1.90E+01	1.11E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/L	2.10E+00	ND	1.90E+01	1.11E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/L	2.10E+00	ND	1.90E+01	1.11E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	UG/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	UG/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrophenol	UG/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/L	5.00E+01	ND	1.90E+01	2.63E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	UG/L	5.00E+02	ND	1.90E+01	2.63E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/L	1.10E+00	ND	4.40E+01	2.50E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/L	1.10E+00	ND	4.40E+01	2.50E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/L	1.10E+00	ND	4.40E+01	2.50E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/L	1.10E+00	ND	4.40E+01	2.50E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/L	1.10E+00	ND	4.40E+01	2.50E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/L	1.10E+00	ND	4.40E+01	2.50E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/L	1.87E+00	ND	4.40E+01	4.25E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/L	1.87E+00	ND	4.40E+01	4.25E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/L	1.87E+00	ND	4.40E+01	4.25E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/L	2.50E+00	ND	4.40E+01	5.68E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/L	2.50E+00	ND	4.40E+01	5.68E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/L	2.50E+00	ND	4.40E+01	5.68E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/L	2.50E+00	ND	4.40E+01	5.68E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/L	2.50E+00	ND	4.40E+01	5.68E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/L	2.50E+00	ND	4.40E+01	5.68E-02	none
SW	CHANNEL	SW1	SVOA	2,4-Dinitrotoluene	UG/L	4.00E+00	ND	4.40E+01	9.09E-02	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SW2	SVOA	2,4-Dinitrotoluene	UG/L	4.00E+00	ND	4.40E+01	9.09E-02	none
SW	CHANNEL	SW3	SVOA	2,4-Dinitrotoluene	UG/L	4.00E+00	ND	4.40E+01	9.09E-02	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	UG/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	EFFLUENT	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	UG/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrotoluene	UG/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/L	1.00E+01	ND	4.40E+01	2.27E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	UG/L	1.00E+02	ND	4.40E+01	2.27E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/L	7.60E-01	ND	8.10E+01	9.38E-03	none
SW	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/L	7.60E-01	ND	8.10E+01	9.38E-03	none
SW	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/L	7.60E-01	ND	8.10E+01	9.38E-03	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/L	7.60E-01	ND	8.10E+01	9.38E-03	none
SW	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/L	7.60E-01	ND	8.10E+01	9.38E-03	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/L	7.60E-01	ND	8.10E+01	9.38E-03	none
SW	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/L	1.71E+00	ND	8.10E+01	2.11E-02	none
SW	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/L	1.71E+00	ND	8.10E+01	2.11E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/L	1.71E+00	ND	8.10E+01	2.11E-02	none
SW	CHANNEL	SW3	SVOA	2,6-Dinitrotoluene	UG/L	4.00E+00	ND	8.10E+01	4.94E-02	none
SW	CHANNEL	SW1	SVOA	2,6-Dinitrotoluene	UG/L	4.00E+00	ND	8.10E+01	4.94E-02	none
SW	CHANNEL	SW2	SVOA	2,6-Dinitrotoluene	UG/L	4.00E+00	ND	8.10E+01	4.94E-02	none
SW	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/L	4.20E+00	ND	8.10E+01	5.19E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/L	4.20E+00	ND	8.10E+01	5.19E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/L	4.20E+00	ND	8.10E+01	5.19E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/L	4.20E+00	ND	8.10E+01	5.19E-02	none
SW	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/L	4.20E+00	ND	8.10E+01	5.19E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/L	4.20E+00	ND	8.10E+01	5.19E-02	none
SW	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	UG/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	EFFLUENT	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	UG/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2,6-Dinitrotoluene	UG/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/L	1.00E+01	ND	8.10E+01	1.23E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	UG/L	1.00E+02	ND	8.10E+01	1.23E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/L	3.75E-01	ND	3.96E-01	9.47E-01	none
SW	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/L	3.75E-01	ND	3.96E-01	9.47E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/L	3.75E-01	ND	3.96E-01	9.47E-01	none
SW	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/L	3.75E-01	ND	3.96E-01	9.47E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/L	3.75E-01	ND	3.96E-01	9.47E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/L	3.75E-01	ND	3.96E-01	9.47E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/L	1.25E+00	ND	3.96E-01	3.16E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/L	1.25E+00	ND	3.96E-01	3.16E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/L	1.25E+00	ND	3.96E-01	3.16E+00	poss-ND
SW	CHANNEL	SW1	SVOA	2-Chloronaphthalene	UG/L	2.00E+00	ND	3.96E-01	5.05E+00	poss-ND
SW	CHANNEL	SW3	SVOA	2-Chloronaphthalene	UG/L	2.00E+00	ND	3.96E-01	5.05E+00	poss-ND
SW	CHANNEL	SW2	SVOA	2-Chloronaphthalene	UG/L	2.00E+00	ND	3.96E-01	5.05E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/L	2.20E+00	ND	3.96E-01	5.56E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/L	2.20E+00	ND	3.96E-01	5.56E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/L	2.20E+00	ND	3.96E-01	5.56E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/L	2.20E+00	ND	3.96E-01	5.56E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/L	2.20E+00	ND	3.96E-01	5.56E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/L	2.20E+00	ND	3.96E-01	5.56E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	UG/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	UG/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	2-Chloronaphthalene	UG/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/L	1.00E+01	ND	3.96E-01	2.53E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	UG/L	1.00E+02	ND	3.96E-01	2.53E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/L	3.20E-01	ND	2.40E+01	1.33E-02	none
SW	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/L	3.20E-01	ND	2.40E+01	1.33E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/L	3.20E-01	ND	2.40E+01	1.33E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/L	3.20E-01	ND	2.40E+01	1.33E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/L	3.20E-01	ND	2.40E+01	1.33E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/L	1.44E+00	ND	2.40E+01	6.00E-02	none
SW	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/L	1.44E+00	ND	2.40E+01	6.00E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/L	1.44E+00	ND	2.40E+01	6.00E-02	none
SW	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/L	2.80E+00	ND	2.40E+01	1.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/L	2.80E+00	ND	2.40E+01	1.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/L	2.80E+00	ND	2.40E+01	1.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/L	2.80E+00	ND	2.40E+01	1.17E-01	none
SW	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/L	2.80E+00	ND	2.40E+01	1.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/L	2.80E+00	ND	2.40E+01	1.17E-01	none
SW	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	UG/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	EFFLUENT	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWSW	SVOA	2-Chlorophenol	UG/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2-Chlorophenol	UG/L	1.00E+01	ND	2.40E+01	4.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	UG/L	1.00E+02	ND	2.40E+01	4.17E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/L	5.50E-01	ND	1.30E+01	4.23E-02	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/L	5.50E-01	ND	1.30E+01	4.23E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/L	5.50E-01	ND	1.30E+01	4.23E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/L	5.50E-01	ND	1.30E+01	4.23E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/L	5.50E-01	ND	1.30E+01	4.23E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/L	2.23E+00	ND	1.30E+01	1.72E-01	none
SW	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/L	2.23E+00	ND	1.30E+01	1.72E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/L	2.23E+00	ND	1.30E+01	1.72E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/L	2.60E+00	ND	1.30E+01	2.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/L	2.60E+00	ND	1.30E+01	2.00E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/L	2.60E+00	ND	1.30E+01	2.00E-01	none
SW	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/L	2.60E+00	ND	1.30E+01	2.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/L	2.60E+00	ND	1.30E+01	2.00E-01	none
SW	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/L	2.60E+00	ND	1.30E+01	2.00E-01	none
SW	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	UG/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	EFFLUENT	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWSW	SVOA	2-Methylphenol	UG/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2-Methylphenol	UG/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	UG/L	1.00E+02	ND	1.30E+01	7.69E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	2-Nitrophenol	ug/L	4.50E-01	ND	8.28E+01	5.43E-03	none
SW	CHANNEL	SWSW	SVOA	2-Nitrophenol	ug/L	4.50E-01	ND	8.28E+01	5.43E-03	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	ug/L	4.50E-01	ND	8.28E+01	5.43E-03	none
SW	CHANNEL	SWNPDES3	SVOA	2-Nitrophenol	ug/L	4.50E-01	ND	8.28E+01	5.43E-03	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	ug/L	4.50E-01	ND	8.28E+01	5.43E-03	none
SW	CHANNEL	SWNPDES3	SVOA	2-Nitrophenol	ug/L	1.69E+00	ND	8.28E+01	2.04E-02	none
SW	CHANNEL	SWSW	SVOA	2-Nitrophenol	ug/L	1.69E+00	ND	8.28E+01	2.04E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	ug/L	1.69E+00	ND	8.28E+01	2.04E-02	none
SW	CHANNEL	SWSW	SVOA	2-Nitrophenol	ug/L	2.20E+00	ND	8.28E+01	2.66E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2-Nitrophenol	ug/L	2.20E+00	ND	8.28E+01	2.66E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	ug/L	2.20E+00	ND	8.28E+01	2.66E-02	none
SW	CHANNEL	SWNPDES3	SVOA	2-Nitrophenol	ug/L	2.20E+00	ND	8.28E+01	2.66E-02	none
SW	CHANNEL	SWSW	SVOA	2-Nitrophenol	ug/L	2.20E+00	ND	8.28E+01	2.66E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	ug/L	2.20E+00	ND	8.28E+01	2.66E-02	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWSW	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Nitrophenol	UG/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWSW	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	EFFLUENT	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWSW	SVOA	2-Nitrophenol	UG/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWSW	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWSW	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES3	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWSW	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES1	SVOA	2-Nitrophenol	UG/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	ug/L	1.00E+01	ND	8.28E+01	1.21E-01	none
SW	CHANNEL	SWNPDES2	SVOA	2-Nitrophenol	UG/L	1.00E+02	ND	8.28E+01	1.21E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/L	2.57E+00	ND	4.50E+00	5.71E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/L	2.57E+00	ND	4.50E+00	5.71E-01	none
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/L	2.57E+00	ND	4.50E+00	5.71E-01	none
SW	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/L	2.57E+00	ND	4.50E+00	5.71E-01	none
SW	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/L	2.57E+00	ND	4.50E+00	5.71E-01	none
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/L	2.57E+00	ND	4.50E+00	5.71E-01	none
SW	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/L	3.19E+00	ND	4.50E+00	7.09E-01	none
SW	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/L	3.19E+00	ND	4.50E+00	7.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/L	3.19E+00	ND	4.50E+00	7.09E-01	none
SW	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/L	4.30E+00	ND	4.50E+00	9.56E-01	none
SW	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/L	4.30E+00	ND	4.50E+00	9.56E-01	none
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/L	4.30E+00	ND	4.50E+00	9.56E-01	none
SW	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/L	4.30E+00	ND	4.50E+00	9.56E-01	none
SW	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/L	4.30E+00	ND	4.50E+00	9.56E-01	none
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/L	4.30E+00	ND	4.50E+00	9.56E-01	none
SW	CHANNEL	SW3	SVOA	3,3'-Dichlorobenzidine	UG/L	1.00E+01	ND	4.50E+00	2.22E+00	poss-ND
SW	CHANNEL	SW1	SVOA	3,3'-Dichlorobenzidine	UG/L	1.00E+01	ND	4.50E+00	2.22E+00	poss-ND
SW	CHANNEL	SW2	SVOA	3,3'-Dichlorobenzidine	UG/L	1.00E+01	ND	4.50E+00	2.22E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	UG/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	UG/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	3,3'-Dichlorobenzidine	UG/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/L	2.00E+01	ND	4.50E+00	4.44E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	3,3'-Dichlorobenzidine	ug/L	5.00E+01	ND	4.50E+00	1.11E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	UG/L	2.00E+02	ND	4.50E+00	4.44E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/L	1.00E+00	ND	2.30E+01	4.35E-02	none
SW	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/L	1.00E+00	ND	2.30E+01	4.35E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/L	1.00E+00	ND	2.30E+01	4.35E-02	none
SW	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/L	1.00E+00	ND	2.30E+01	4.35E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/L	1.00E+00	ND	2.30E+01	4.35E-02	none
SW	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/L	1.67E+00	ND	2.30E+01	7.26E-02	none
SW	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/L	1.67E+00	ND	2.30E+01	7.26E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/L	1.67E+00	ND	2.30E+01	7.26E-02	none
SW	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.20E+00	ND	2.30E+01	2.26E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.20E+00	ND	2.30E+01	2.26E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.20E+00	ND	2.30E+01	2.26E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.20E+00	ND	2.30E+01	2.26E-01	none
SW	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.20E+00	ND	2.30E+01	2.26E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.20E+00	ND	2.30E+01	2.26E-01	none
SW	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	UG/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	UG/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES1	SVOA	4,6-Dinitro-2-methylphenol	UG/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/L	5.00E+01	ND	2.30E+01	2.17E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	UG/L	5.00E+02	ND	2.30E+01	2.17E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Bromophenyl phenylether	ug/L	4.42E-01	ND	1.50E+00	2.95E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	ug/L	4.42E-01	ND	1.50E+00	2.95E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Bromophenyl phenylether	ug/L	4.42E-01	ND	1.50E+00	2.95E-01	none
SW	CHANNEL	SWSW	SVOA	4-Bromophenyl phenylether	ug/L	4.42E-01	ND	1.50E+00	2.95E-01	none
SW	CHANNEL	SWSW	SVOA	4-Bromophenyl phenylether	ug/L	4.42E-01	ND	1.50E+00	2.95E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	ug/L	4.42E-01	ND	1.50E+00	2.95E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Bromophenyl phenylether	ug/L	1.53E+00	ND	1.50E+00	1.02E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Bromophenyl phenylether	ug/L	1.53E+00	ND	1.50E+00	1.02E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	ug/L	1.53E+00	ND	1.50E+00	1.02E+00	poss-ND
SW	CHANNEL	SW1	SVOA	4-Bromophenyl phenylether	UG/L	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	CHANNEL	SW3	SVOA	4-Bromophenyl phenylether	UG/L	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	CHANNEL	SW2	SVOA	4-Bromophenyl phenylether	UG/L	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Bromophenyl phenylether	ug/L	3.10E+00	ND	1.50E+00	2.07E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Bromophenyl phenylether	ug/L	3.10E+00	ND	1.50E+00	2.07E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	ug/L	3.10E+00	ND	1.50E+00	2.07E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Bromophenyl phenylether	ug/L	3.10E+00	ND	1.50E+00	2.07E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Bromophenyl phenylether	ug/L	3.10E+00	ND	1.50E+00	2.07E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	ug/L	3.10E+00	ND	1.50E+00	2.07E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Bromophenyl phenylether	UG/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Bromophenyl phenylether	UG/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	4-Bromophenyl phenylether	UG/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Bromophenyl phenylether	UG/L	1.00E+02	ND	1.50E+00	6.67E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/L	7.30E-01	ND	3.48E+01	2.10E-02	none
SW	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/L	7.30E-01	ND	3.48E+01	2.10E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/L	7.30E-01	ND	3.48E+01	2.10E-02	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/L	7.30E-01	ND	3.48E+01	2.10E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/L	7.30E-01	ND	3.48E+01	2.10E-02	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/L	1.88E+00	ND	3.48E+01	5.40E-02	none
SW	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/L	1.88E+00	ND	3.48E+01	5.40E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/L	1.88E+00	ND	3.48E+01	5.40E-02	none
SW	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/L	2.20E+00	ND	3.48E+01	6.32E-02	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/L	2.20E+00	ND	3.48E+01	6.32E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/L	2.20E+00	ND	3.48E+01	6.32E-02	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/L	2.20E+00	ND	3.48E+01	6.32E-02	none
SW	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/L	2.20E+00	ND	3.48E+01	6.32E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/L	2.20E+00	ND	3.48E+01	6.32E-02	none
SW	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	UG/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	EFFLUENT	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	UG/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES1	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES1	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES1	SVOA	4-Chloro-3-methylphenol	UG/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/L	1.00E+01	ND	3.48E+01	2.87E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	UG/L	1.00E+02	ND	3.48E+01	2.87E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/L	3.52E-01	ND	1.50E+00	2.35E-01	none
SW	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/L	3.52E-01	ND	1.50E+00	2.35E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/L	3.52E-01	ND	1.50E+00	2.35E-01	none
SW	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/L	3.52E-01	ND	1.50E+00	2.35E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/L	3.52E-01	ND	1.50E+00	2.35E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/L	3.52E-01	ND	1.50E+00	2.35E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/L	1.71E+00	ND	1.50E+00	1.14E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/L	1.71E+00	ND	1.50E+00	1.14E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/L	1.71E+00	ND	1.50E+00	1.14E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/L	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/L	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/L	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/L	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/L	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/L	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	CHANNEL	SW3	SVOA	4-Chlorophenyl-phenylether	UG/L	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	CHANNEL	SW1	SVOA	4-Chlorophenyl-phenylether	UG/L	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	CHANNEL	SW2	SVOA	4-Chlorophenyl-phenylether	UG/L	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	UG/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	UG/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	4-Chlorophenyl-phenylether	UG/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/L	1.00E+01	ND	1.50E+00	6.67E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	UG/L	1.00E+02	ND	1.50E+00	6.67E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	4-Nitrophenol	ug/L	1.42E+00	ND	6.00E+01	2.37E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	ug/L	1.42E+00	ND	6.00E+01	2.37E-02	none
SW	CHANNEL	SWSW	SVOA	4-Nitrophenol	ug/L	1.42E+00	ND	6.00E+01	2.37E-02	none
SW	CHANNEL	SWNPDES3	SVOA	4-Nitrophenol	ug/L	1.42E+00	ND	6.00E+01	2.37E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	ug/L	1.42E+00	ND	6.00E+01	2.37E-02	none
SW	CHANNEL	SWSW	SVOA	4-Nitrophenol	ug/L	2.20E+00	ND	6.00E+01	3.67E-02	none
SW	CHANNEL	SWNPDES3	SVOA	4-Nitrophenol	ug/L	2.20E+00	ND	6.00E+01	3.67E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	ug/L	2.20E+00	ND	6.00E+01	3.67E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	ug/L	2.20E+00	ND	6.00E+01	3.67E-02	none
SW	CHANNEL	SWSW	SVOA	4-Nitrophenol	ug/L	2.20E+00	ND	6.00E+01	3.67E-02	none
SW	CHANNEL	SWNPDES3	SVOA	4-Nitrophenol	ug/L	2.20E+00	ND	6.00E+01	3.67E-02	none
SW	CHANNEL	SWNPDES3	SVOA	4-Nitrophenol	ug/L	3.38E+00	ND	6.00E+01	5.63E-02	none
SW	CHANNEL	SWSW	SVOA	4-Nitrophenol	ug/L	3.38E+00	ND	6.00E+01	5.63E-02	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	ug/L	3.38E+00	ND	6.00E+01	5.63E-02	none
SW	CHANNEL	SWSW	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWSW	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWSW	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Nitrophenol	UG/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	EFFLUENT	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWSW	SVOA	4-Nitrophenol	UG/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWSW	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWSW	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	ug/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	4-Nitrophenol	UG/L	5.00E+01	ND	6.00E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	4-Nitrophenol	UG/L	5.00E+02	ND	6.00E+01	8.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	1.80E+00	ND	5.48E-01	3.28E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	1.80E+00	ND	5.48E-01	3.28E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	1.80E+00	ND	5.48E-01	3.28E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	1.80E+00	ND	5.48E-01	3.28E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	1.80E+00	ND	5.48E-01	3.28E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	1.80E+00	ND	5.48E-01	3.28E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	1.80E+00	ND	5.48E-01	3.28E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	1.80E+00	ND	5.48E-01	3.28E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	1.80E+00	ND	5.48E-01	3.28E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	6.10E+00	ND	5.48E-01	1.11E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	6.10E+00	ND	5.48E-01	1.11E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	6.10E+00	ND	5.48E-01	1.11E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	6.10E+00	ND	5.48E-01	1.11E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	6.10E+00	ND	5.48E-01	1.11E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	7,12-Dimethylbenz(a)anthracene	ug/L	6.10E+00	ND	5.48E-01	1.11E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/L	1.36E+00	ND	2.30E+01	5.91E-02	none
SW	CHANNEL	SWSW	SVOA	Acenaphthene	ug/L	1.36E+00	ND	2.30E+01	5.91E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/L	1.36E+00	ND	2.30E+01	5.91E-02	none
SW	CHANNEL	SW1	SVOA	Acenaphthene	UG/L	2.00E+00	ND	2.30E+01	8.70E-02	none
SW	CHANNEL	SW2	SVOA	Acenaphthene	UG/L	2.00E+00	ND	2.30E+01	8.70E-02	none
SW	CHANNEL	SW3	SVOA	Acenaphthene	UG/L	2.00E+00	ND	2.30E+01	8.70E-02	none
SW	CHANNEL	SWSW	SVOA	Acenaphthene	ug/L	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/L	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/L	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/L	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	CHANNEL	SWSW	SVOA	Acenaphthene	ug/L	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/L	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/L	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	CHANNEL	SWSW	SVOA	Acenaphthene	ug/L	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/L	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	CHANNEL	SWSW	SVOA	Acenaphthene	ug/L	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/L	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/L	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	CHANNEL	SWSW	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWSW	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Acenaphthene	UG/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	EFFLUENT	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWSW	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWSW	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWSW	SVOA	Acenaphthene	UG/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWSW	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWSW	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Acenaphthene	UG/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Acenaphthene	UG/L	1.00E+02	ND	2.30E+01	4.35E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/L	3.60E-01	ND	3.50E-02	1.03E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Anthracene	ug/L	3.60E-01	ND	3.50E-02	1.03E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/L	3.60E-01	ND	3.50E-02	1.03E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Anthracene	ug/L	3.60E-01	ND	3.50E-02	1.03E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/L	3.60E-01	ND	3.50E-02	1.03E+01	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/L	3.60E-01	ND	3.50E-02	1.03E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/L	1.34E+00	ND	3.50E-02	3.83E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Anthracene	ug/L	1.34E+00	ND	3.50E-02	3.83E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/L	1.34E+00	ND	3.50E-02	3.83E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Anthracene	ug/L	2.00E+00	ND	3.50E-02	5.71E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/L	2.00E+00	ND	3.50E-02	5.71E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/L	2.00E+00	ND	3.50E-02	5.71E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/L	2.00E+00	ND	3.50E-02	5.71E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Anthracene	ug/L	2.00E+00	ND	3.50E-02	5.71E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/L	2.00E+00	ND	3.50E-02	5.71E+01	poss-ND
SW	CHANNEL	SW3	SVOA	Anthracene	UG/L	2.00E+00	ND	3.50E-02	5.71E+01	poss-ND
SW	CHANNEL	SW1	SVOA	Anthracene	UG/L	2.00E+00	ND	3.50E-02	5.71E+01	poss-ND
SW	CHANNEL	SW2	SVOA	Anthracene	UG/L	2.00E+00	ND	3.50E-02	5.71E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Anthracene	UG/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Anthracene	UG/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Anthracene	UG/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/L	1.00E+01	ND	3.50E-02	2.86E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Anthracene	UG/L	1.00E+02	ND	3.50E-02	2.86E+03	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/L	5.60E-01	ND	2.50E-02	2.24E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/L	5.60E-01	ND	2.50E-02	2.24E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/L	5.60E-01	ND	2.50E-02	2.24E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/L	5.60E-01	ND	2.50E-02	2.24E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/L	5.60E-01	ND	2.50E-02	2.24E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/L	5.60E-01	ND	2.50E-02	2.24E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/L	1.40E+00	ND	2.50E-02	5.60E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/L	1.40E+00	ND	2.50E-02	5.60E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/L	1.40E+00	ND	2.50E-02	5.60E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/L	1.90E+00	ND	2.50E-02	7.60E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/L	1.90E+00	ND	2.50E-02	7.60E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/L	1.90E+00	ND	2.50E-02	7.60E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/L	1.90E+00	ND	2.50E-02	7.60E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/L	1.90E+00	ND	2.50E-02	7.60E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/L	1.90E+00	ND	2.50E-02	7.60E+01	poss-ND
SW	CHANNEL	SW3	SVOA	Benzo(a)anthracene	UG/L	2.00E+00	ND	2.50E-02	8.00E+01	poss-ND
SW	CHANNEL	SW1	SVOA	Benzo(a)anthracene	UG/L	2.00E+00	ND	2.50E-02	8.00E+01	poss-ND
SW	CHANNEL	SW2	SVOA	Benzo(a)anthracene	UG/L	2.00E+00	ND	2.50E-02	8.00E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	UG/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	UG/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES1	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(a)anthracene	UG/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/L	1.00E+01	ND	2.50E-02	4.00E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	UG/L	1.00E+02	ND	2.50E-02	4.00E+03	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/L	5.00E-01	ND	1.40E-02	3.57E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/L	5.00E-01	ND	1.40E-02	3.57E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/L	5.00E-01	ND	1.40E-02	3.57E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/L	5.00E-01	ND	1.40E-02	3.57E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/L	5.00E-01	ND	1.40E-02	3.57E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/L	5.00E-01	ND	1.40E-02	3.57E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/L	1.33E+00	ND	1.40E-02	9.50E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/L	1.33E+00	ND	1.40E-02	9.50E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/L	1.33E+00	ND	1.40E-02	9.50E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/L	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/L	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/L	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/L	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/L	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/L	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	CHANNEL	SW3	SVOA	Benzo(a)pyrene	UG/L	4.00E+00	ND	1.40E-02	2.86E+02	poss-ND
SW	CHANNEL	SW1	SVOA	Benzo(a)pyrene	UG/L	4.00E+00	ND	1.40E-02	2.86E+02	poss-ND
SW	CHANNEL	SW2	SVOA	Benzo(a)pyrene	UG/L	4.00E+00	ND	1.40E-02	2.86E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	UG/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	UG/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(a)pyrene	UG/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	UG/L	1.00E+02	ND	1.40E-02	7.14E+03	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/L	5.50E-01	ND	9.07E+00	6.06E-02	none
SW	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/L	5.50E-01	ND	9.07E+00	6.06E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/L	5.50E-01	ND	9.07E+00	6.06E-02	none
SW	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/L	5.50E-01	ND	9.07E+00	6.06E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/L	5.50E-01	ND	9.07E+00	6.06E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/L	5.50E-01	ND	9.07E+00	6.06E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/L	1.61E+00	ND	9.07E+00	1.78E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/L	1.61E+00	ND	9.07E+00	1.78E-01	none
SW	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/L	1.61E+00	ND	9.07E+00	1.78E-01	none
SW	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/L	1.90E+00	ND	9.07E+00	2.09E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/L	1.90E+00	ND	9.07E+00	2.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/L	1.90E+00	ND	9.07E+00	2.09E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/L	1.90E+00	ND	9.07E+00	2.09E-01	none
SW	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/L	1.90E+00	ND	9.07E+00	2.09E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/L	1.90E+00	ND	9.07E+00	2.09E-01	none
SW	CHANNEL	SW3	SVOA	Benzo(b)fluoranthene	UG/L	3.00E+00	ND	9.07E+00	3.31E-01	none
SW	CHANNEL	SW1	SVOA	Benzo(b)fluoranthene	UG/L	3.00E+00	ND	9.07E+00	3.31E-01	none
SW	CHANNEL	SW2	SVOA	Benzo(b)fluoranthene	UG/L	3.00E+00	ND	9.07E+00	3.31E-01	none
SW	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	UG/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	UG/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(b)fluoranthene	UG/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	UG/L	1.00E+02	ND	9.07E+00	1.10E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/L	5.20E-01	ND	7.64E+00	6.81E-02	none
SW	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/L	5.20E-01	ND	7.64E+00	6.81E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/L	5.20E-01	ND	7.64E+00	6.81E-02	none
SW	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/L	5.20E-01	ND	7.64E+00	6.81E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/L	5.20E-01	ND	7.64E+00	6.81E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/L	5.20E-01	ND	7.64E+00	6.81E-02	none
SW	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/L	1.50E+00	ND	7.64E+00	1.96E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/L	1.50E+00	ND	7.64E+00	1.96E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/L	1.50E+00	ND	7.64E+00	1.96E-01	none
SW	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/L	1.50E+00	ND	7.64E+00	1.96E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/L	1.50E+00	ND	7.64E+00	1.96E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/L	1.50E+00	ND	7.64E+00	1.96E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/L	2.50E+00	ND	7.64E+00	3.27E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/L	2.50E+00	ND	7.64E+00	3.27E-01	none
SW	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/L	2.50E+00	ND	7.64E+00	3.27E-01	none
SW	CHANNEL	SW3	SVOA	Benzo(g,h,i)perylene	UG/L	5.00E+00	ND	7.64E+00	6.54E-01	none
SW	CHANNEL	SW2	SVOA	Benzo(g,h,i)perylene	UG/L	5.00E+00	ND	7.64E+00	6.54E-01	none
SW	CHANNEL	SW1	SVOA	Benzo(g,h,i)perylene	UG/L	5.00E+00	ND	7.64E+00	6.54E-01	none
SW	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	UG/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	UG/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(g,h,i)perylene	UG/L	1.00E+01	ND	7.64E+00	1.31E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	UG/L	1.00E+02	ND	7.64E+00	1.31E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/L	4.40E-01	ND	9.07E+00	4.85E-02	none
SW	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/L	4.40E-01	ND	9.07E+00	4.85E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/L	4.40E-01	ND	9.07E+00	4.85E-02	none
SW	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/L	4.40E-01	ND	9.07E+00	4.85E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/L	4.40E-01	ND	9.07E+00	4.85E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/L	4.40E-01	ND	9.07E+00	4.85E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/L	1.83E+00	ND	9.07E+00	2.02E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/L	1.83E+00	ND	9.07E+00	2.02E-01	none
SW	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/L	1.83E+00	ND	9.07E+00	2.02E-01	none
SW	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/L	2.50E+00	ND	9.07E+00	2.76E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/L	2.50E+00	ND	9.07E+00	2.76E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/L	2.50E+00	ND	9.07E+00	2.76E-01	none
SW	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/L	2.50E+00	ND	9.07E+00	2.76E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/L	2.50E+00	ND	9.07E+00	2.76E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/L	2.50E+00	ND	9.07E+00	2.76E-01	none
SW	CHANNEL	SW1	SVOA	Benzo(k)fluoranthene	UG/L	3.00E+00	ND	9.07E+00	3.31E-01	none
SW	CHANNEL	SW3	SVOA	Benzo(k)fluoranthene	UG/L	3.00E+00	ND	9.07E+00	3.31E-01	none
SW	CHANNEL	SW2	SVOA	Benzo(k)fluoranthene	UG/L	3.00E+00	ND	9.07E+00	3.31E-01	none
SW	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	UG/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	UG/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzo(k)fluoranthene	UG/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/L	1.00E+01	ND	9.07E+00	1.10E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	UG/L	1.00E+02	ND	9.07E+00	1.10E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzoic acid	ug/L	1.20E+00	ND	4.20E+01	2.86E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Benzoic acid	ug/L	1.20E+00	ND	4.20E+01	2.86E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Benzoic acid	ug/L	1.20E+00	ND	4.20E+01	2.86E-02	none
SW	CHANNEL	SWSW	SVOA	Benzoic acid	ug/L	2.50E+00	ND	4.20E+01	5.95E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Benzoic acid	ug/L	2.50E+00	ND	4.20E+01	5.95E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Benzoic acid	ug/L	2.50E+00	ND	4.20E+01	5.95E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Benzoic acid	ug/L	2.50E+00	ND	4.20E+01	5.95E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Benzoic acid	ug/L	2.50E+00	ND	4.20E+01	5.95E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Benzoic acid	ug/L	2.50E+00	ND	4.20E+01	5.95E-02	none
SW	CHANNEL	SWSW	SVOA	Benzoic acid	ug/L	2.50E+00	ND	4.20E+01	5.95E-02	none
SW	CHANNEL	SWSW	SVOA	Benzoic acid	ug/L	2.50E+00	ND	4.20E+01	5.95E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Benzoic acid	ug/L	2.50E+00	ND	4.20E+01	5.95E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Benzoic acid	ug/L	2.50E+00	ND	4.20E+01	5.95E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Benzoic acid	ug/L	2.50E+00	ND	4.20E+01	5.95E-02	none
SW	CHANNEL	SWSW	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzoic acid	ug/L	5.00E+01	ND	4.20E+01	1.19E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/L	1.70E+00	ND	8.60E+00	1.98E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/L	1.70E+00	ND	8.60E+00	1.98E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/L	1.70E+00	ND	8.60E+00	1.98E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/L	1.70E+00	ND	8.60E+00	1.98E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/L	1.70E+00	ND	8.60E+00	1.98E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/L	1.70E+00	ND	8.60E+00	1.98E-01	none
SW	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/L	1.70E+00	ND	8.60E+00	1.98E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/L	1.70E+00	ND	8.60E+00	1.98E-01	none
SW	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/L	1.70E+00	ND	8.60E+00	1.98E-01	none
SW	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/L	1.70E+00	ND	8.60E+00	1.98E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/L	1.70E+00	ND	8.60E+00	1.98E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/L	1.70E+00	ND	8.60E+00	1.98E-01	none
SW	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/L	2.50E+00	ND	8.60E+00	2.91E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/L	2.50E+00	ND	8.60E+00	2.91E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/L	2.50E+00	ND	8.60E+00	2.91E-01	none
SW	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/L	1.00E+01	ND	8.60E+00	1.16E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/L	1.00E+01	ND	8.60E+00	1.16E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/L	1.00E+01	ND	8.60E+00	1.16E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/L	1.00E+01	ND	8.60E+00	1.16E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Benzyl alcohol	ug/L	1.00E+01	ND	8.60E+00	1.16E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/L	1.00E+01	ND	8.60E+00	1.16E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/L	1.00E+01	ND	8.60E+00	1.16E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzyl alcohol	ug/L	1.00E+01	ND	8.60E+00	1.16E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/L	2.00E+01	ND	8.60E+00	2.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	UG/L	1.20E+00	ND	3.00E-01	4.00E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Bis(2-ethylhexyl)phthalate	UG/L	1.70E+00	ND	3.00E-01	5.67E+00	poss-ND
SW	CHANNEL	SW3	SVOA	Bis(2-ethylhexyl)phthalate	UG/L	4.00E+00	ND	3.00E-01	1.33E+01	poss-ND
SW	CHANNEL	SW1	SVOA	Bis(2-ethylhexyl)phthalate	UG/L	4.00E+00	ND	3.00E-01	1.33E+01	poss-ND
SW	CHANNEL	SW2	SVOA	Bis(2-ethylhexyl)phthalate	UG/L	4.00E+00	ND	3.00E-01	1.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	9.80E+00	ND	3.00E-01	3.27E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	9.80E+00	ND	3.00E-01	3.27E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	9.80E+00	ND	3.00E-01	3.27E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	9.80E+00	ND	3.00E-01	3.27E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	9.80E+00	ND	3.00E-01	3.27E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	9.80E+00	ND	3.00E-01	3.27E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	9.80E+00	ND	3.00E-01	3.27E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	9.80E+00	ND	3.00E-01	3.27E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	9.80E+00	ND	3.00E-01	3.27E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	9.80E+00	ND	3.00E-01	3.27E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	UG/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.07E+01	DET	3.00E-01	3.57E+01	poss-det
SW	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.54E+01	DET	3.00E-01	5.13E+01	poss-det
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	1.98E+01	ND	3.00E-01	6.60E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	2.86E+01	ND	3.00E-01	9.53E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/L	3.28E+01	ND	3.00E-01	1.09E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	UG/L	1.00E+02	ND	3.00E-01	3.33E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/L	9.76E-01	ND	1.90E+01	5.14E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/L	9.76E-01	ND	1.90E+01	5.14E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/L	9.76E-01	ND	1.90E+01	5.14E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/L	9.76E-01	ND	1.90E+01	5.14E-02	none
SW	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/L	9.76E-01	ND	1.90E+01	5.14E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/L	1.40E+00	DET	1.90E+01	7.37E-02	none
SW	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/L	1.70E+00	ND	1.90E+01	8.95E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/L	1.70E+00	ND	1.90E+01	8.95E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/L	1.70E+00	ND	1.90E+01	8.95E-02	none
SW	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/L	1.70E+00	ND	1.90E+01	8.95E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/L	1.70E+00	ND	1.90E+01	8.95E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/L	1.70E+00	ND	1.90E+01	8.95E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/L	1.94E+00	ND	1.90E+01	1.02E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/L	1.94E+00	ND	1.90E+01	1.02E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/L	1.94E+00	ND	1.90E+01	1.02E-01	none
SW	CHANNEL	SW3	SVOA	Butylbenzyl phthalate	UG/L	3.00E+00	ND	1.90E+01	1.58E-01	none
SW	CHANNEL	SW1	SVOA	Butylbenzyl phthalate	UG/L	3.00E+00	ND	1.90E+01	1.58E-01	none
SW	CHANNEL	SW2	SVOA	Butylbenzyl phthalate	UG/L	3.00E+00	ND	1.90E+01	1.58E-01	none
SW	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	EFFLUENT	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	UG/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	UG/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Butylbenzyl phthalate	UG/L	1.00E+01	ND	1.90E+01	5.26E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	UG/L	1.00E+02	ND	1.90E+01	5.26E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Chrysene	ug/L	1.48E+00	ND	1.40E-02	1.06E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/L	1.48E+00	ND	1.40E-02	1.06E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/L	1.48E+00	ND	1.40E-02	1.06E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Chrysene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Chrysene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Chrysene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Chrysene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SW1	SVOA	Chrysene	UG/L	5.00E+00	ND	1.40E-02	3.57E+02	poss-ND
SW	CHANNEL	SW3	SVOA	Chrysene	UG/L	5.00E+00	ND	1.40E-02	3.57E+02	poss-ND
SW	CHANNEL	SW2	SVOA	Chrysene	UG/L	5.00E+00	ND	1.40E-02	3.57E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Chrysene	UG/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Chrysene	UG/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Chrysene	UG/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Chrysene	UG/L	1.00E+02	ND	1.40E-02	7.14E+03	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/L	5.50E-01	ND	1.40E-02	3.93E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/L	5.50E-01	ND	1.40E-02	3.93E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/L	5.50E-01	ND	1.40E-02	3.93E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/L	5.50E-01	ND	1.40E-02	3.93E+01	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/L	5.50E-01	ND	1.40E-02	3.93E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/L	5.50E-01	ND	1.40E-02	3.93E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/L	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/L	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/L	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/L	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/L	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/L	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/L	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	CHANNEL	SW3	SVOA	Dibenz(a,h)anthracene	UG/L	5.00E+00	ND	1.40E-02	3.57E+02	poss-ND
SW	CHANNEL	SW2	SVOA	Dibenz(a,h)anthracene	UG/L	5.00E+00	ND	1.40E-02	3.57E+02	poss-ND
SW	CHANNEL	SW1	SVOA	Dibenz(a,h)anthracene	UG/L	5.00E+00	ND	1.40E-02	3.57E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	UG/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	UG/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Dibenz(a,h)anthracene	UG/L	1.00E+01	ND	1.40E-02	7.14E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	UG/L	1.00E+02	ND	1.40E-02	7.14E+03	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/L	3.43E-01	ND	3.70E+00	9.27E-02	none
SW	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/L	3.43E-01	ND	3.70E+00	9.27E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/L	3.43E-01	ND	3.70E+00	9.27E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/L	3.43E-01	ND	3.70E+00	9.27E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/L	3.43E-01	ND	3.70E+00	9.27E-02	none
SW	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/L	3.43E-01	ND	3.70E+00	9.27E-02	none
SW	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/L	1.40E+00	ND	3.70E+00	3.78E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/L	1.40E+00	ND	3.70E+00	3.78E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/L	1.40E+00	ND	3.70E+00	3.78E-01	none
SW	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/L	1.40E+00	ND	3.70E+00	3.78E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/L	1.40E+00	ND	3.70E+00	3.78E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/L	1.40E+00	ND	3.70E+00	3.78E-01	none
SW	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/L	1.54E+00	ND	3.70E+00	4.16E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/L	1.54E+00	ND	3.70E+00	4.16E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/L	1.54E+00	ND	3.70E+00	4.16E-01	none
SW	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	UG/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenzofuran	UG/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES1	SVOA	Dibenzofuran	UG/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/L	1.00E+01	ND	3.70E+00	2.70E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	UG/L	1.00E+02	ND	3.70E+00	2.70E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/L	4.30E-01	ND	3.00E+01	1.43E-02	none
SW	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/L	4.30E-01	ND	3.00E+01	1.43E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/L	4.30E-01	ND	3.00E+01	1.43E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/L	4.30E-01	ND	3.00E+01	1.43E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/L	4.30E-01	ND	3.00E+01	1.43E-02	none
SW	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/L	4.30E-01	ND	3.00E+01	1.43E-02	none
SW	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/L	1.70E+00	ND	3.00E+01	5.67E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/L	1.70E+00	ND	3.00E+01	5.67E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/L	1.70E+00	ND	3.00E+01	5.67E-02	none
SW	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/L	2.20E+00	ND	3.00E+01	7.33E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/L	2.20E+00	ND	3.00E+01	7.33E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/L	2.20E+00	ND	3.00E+01	7.33E-02	none
SW	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/L	2.20E+00	ND	3.00E+01	7.33E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/L	2.20E+00	ND	3.00E+01	7.33E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/L	2.20E+00	ND	3.00E+01	7.33E-02	none
SW	CHANNEL	SW3	SVOA	Dimethylphthalate	UG/L	4.00E+00	ND	3.00E+01	1.33E-01	none
SW	CHANNEL	SW1	SVOA	Dimethylphthalate	UG/L	4.00E+00	ND	3.00E+01	1.33E-01	none
SW	CHANNEL	SW2	SVOA	Dimethylphthalate	UG/L	4.00E+00	ND	3.00E+01	1.33E-01	none
SW	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	UG/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	EFFLUENT	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	Dimethylphthalate	UG/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Dimethylphthalate	UG/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	UG/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/L	8.50E-01	ND	3.50E+01	2.43E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/L	8.50E-01	ND	3.50E+01	2.43E-02	none
SW	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/L	8.50E-01	ND	3.50E+01	2.43E-02	none
SW	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/L	1.94E+00	ND	3.50E+01	5.54E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/L	1.94E+00	ND	3.50E+01	5.54E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/L	1.94E+00	ND	3.50E+01	5.54E-02	none
SW	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/L	2.00E+00	ND	3.50E+01	5.71E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/L	2.00E+00	ND	3.50E+01	5.71E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/L	2.00E+00	ND	3.50E+01	5.71E-02	none
SW	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/L	2.00E+00	ND	3.50E+01	5.71E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/L	2.00E+00	ND	3.50E+01	5.71E-02	none
SW	CHANNEL	SW1	SVOA	Di-n-butylphthalate	UG/L	2.00E+00	ND	3.50E+01	5.71E-02	none
SW	CHANNEL	SW3	SVOA	Di-n-butylphthalate	UG/L	2.00E+00	ND	3.50E+01	5.71E-02	none
SW	CHANNEL	SW2	SVOA	Di-n-butylphthalate	UG/L	2.00E+00	ND	3.50E+01	5.71E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/L	3.20E+00	DET	3.50E+01	9.14E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/L	7.10E+00	DET	3.50E+01	2.03E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/L	7.10E+00	DET	3.50E+01	2.03E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/L	7.10E+00	DET	3.50E+01	2.03E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	UG/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	EFFLUENT	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	UG/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Di-n-butylphthalate	UG/L	1.00E+01	ND	3.50E+01	2.86E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	UG/L	1.00E+02	ND	3.50E+01	2.86E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/L	1.40E+00	ND	3.00E+01	4.67E-02	none
SW	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/L	1.40E+00	ND	3.00E+01	4.67E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/L	1.40E+00	ND	3.00E+01	4.67E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/L	1.40E+00	ND	3.00E+01	4.67E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/L	1.40E+00	ND	3.00E+01	4.67E-02	none
SW	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/L	1.40E+00	ND	3.00E+01	4.67E-02	none
SW	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/L	2.00E+00	ND	3.00E+01	6.67E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/L	2.00E+00	ND	3.00E+01	6.67E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/L	2.00E+00	ND	3.00E+01	6.67E-02	none
SW	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/L	2.00E+00	ND	3.00E+01	6.67E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/L	2.00E+00	ND	3.00E+01	6.67E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/L	2.00E+00	ND	3.00E+01	6.67E-02	none
SW	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/L	2.12E+00	ND	3.00E+01	7.07E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/L	2.12E+00	ND	3.00E+01	7.07E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/L	2.12E+00	ND	3.00E+01	7.07E-02	none
SW	CHANNEL	SW3	SVOA	Di-n-octyl phthalate	UG/L	4.80E+00	ND	3.00E+01	1.60E-01	none
SW	CHANNEL	SW2	SVOA	Di-n-octyl phthalate	UG/L	4.80E+00	ND	3.00E+01	1.60E-01	none
SW	CHANNEL	SW1	SVOA	Di-n-octyl phthalate	UG/L	4.80E+00	ND	3.00E+01	1.60E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	UG/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	EFFLUENT	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	UG/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Di-n-octyl phthalate	UG/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	UG/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/L	8.10E-01	ND	6.16E+00	1.31E-01	none
SW	CHANNEL	SWSW	SVOA	Fluoranthene	ug/L	8.10E-01	ND	6.16E+00	1.31E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/L	8.10E-01	ND	6.16E+00	1.31E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/L	8.10E-01	ND	6.16E+00	1.31E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/L	8.10E-01	ND	6.16E+00	1.31E-01	none
SW	CHANNEL	SWSW	SVOA	Fluoranthene	ug/L	8.10E-01	ND	6.16E+00	1.31E-01	none
SW	CHANNEL	SWSW	SVOA	Fluoranthene	ug/L	1.44E+00	ND	6.16E+00	2.34E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/L	1.44E+00	ND	6.16E+00	2.34E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/L	1.44E+00	ND	6.16E+00	2.34E-01	none
SW	CHANNEL	SW3	SVOA	Fluoranthene	UG/L	2.00E+00	ND	6.16E+00	3.25E-01	none
SW	CHANNEL	SW1	SVOA	Fluoranthene	UG/L	2.00E+00	ND	6.16E+00	3.25E-01	none
SW	CHANNEL	SW2	SVOA	Fluoranthene	UG/L	2.00E+00	ND	6.16E+00	3.25E-01	none
SW	CHANNEL	SWSW	SVOA	Fluoranthene	ug/L	2.30E+00	ND	6.16E+00	3.73E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/L	2.30E+00	ND	6.16E+00	3.73E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/L	2.30E+00	ND	6.16E+00	3.73E-01	none
SW	CHANNEL	SWSW	SVOA	Fluoranthene	ug/L	2.30E+00	ND	6.16E+00	3.73E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/L	2.30E+00	ND	6.16E+00	3.73E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/L	2.30E+00	ND	6.16E+00	3.73E-01	none
SW	CHANNEL	SWSW	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluoranthene	UG/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Fluoranthene	UG/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Fluoranthene	UG/L	1.00E+01	ND	6.16E+00	1.62E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluoranthene	UG/L	1.00E+02	ND	6.16E+00	1.62E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/L	4.70E-01	ND	3.90E+00	1.21E-01	none
SW	CHANNEL	SWSW	SVOA	Fluorene	ug/L	4.70E-01	ND	3.90E+00	1.21E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/L	4.70E-01	ND	3.90E+00	1.21E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/L	4.70E-01	ND	3.90E+00	1.21E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/L	4.70E-01	ND	3.90E+00	1.21E-01	none
SW	CHANNEL	SWSW	SVOA	Fluorene	ug/L	4.70E-01	ND	3.90E+00	1.21E-01	none
SW	CHANNEL	SWSW	SVOA	Fluorene	ug/L	1.49E+00	ND	3.90E+00	3.82E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/L	1.49E+00	ND	3.90E+00	3.82E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/L	1.49E+00	ND	3.90E+00	3.82E-01	none
SW	CHANNEL	SW2	SVOA	Fluorene	UG/L	2.00E+00	ND	3.90E+00	5.13E-01	none
SW	CHANNEL	SW3	SVOA	Fluorene	UG/L	2.00E+00	ND	3.90E+00	5.13E-01	none
SW	CHANNEL	SW1	SVOA	Fluorene	UG/L	2.00E+00	ND	3.90E+00	5.13E-01	none
SW	CHANNEL	SWSW	SVOA	Fluorene	ug/L	2.30E+00	ND	3.90E+00	5.90E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/L	2.30E+00	ND	3.90E+00	5.90E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/L	2.30E+00	ND	3.90E+00	5.90E-01	none
SW	CHANNEL	SWSW	SVOA	Fluorene	ug/L	2.30E+00	ND	3.90E+00	5.90E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/L	2.30E+00	ND	3.90E+00	5.90E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/L	2.30E+00	ND	3.90E+00	5.90E-01	none
SW	CHANNEL	SWSW	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluorene	UG/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Fluorene	UG/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Fluorene	UG/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/L	1.00E+01	ND	3.90E+00	2.56E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Fluorene	UG/L	1.00E+02	ND	3.90E+00	2.56E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/L	1.46E+00	ND	4.00E-04	3.65E+03	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/L	1.46E+00	ND	4.00E-04	3.65E+03	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/L	1.46E+00	ND	4.00E-04	3.65E+03	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/L	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/L	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/L	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/L	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/L	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/L	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/L	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/L	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/L	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/L	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/L	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/L	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	CHANNEL	SW1	SVOA	Hexachlorobenzene	UG/L	4.00E+00	ND	4.00E-04	1.00E+04	poss-ND
SW	CHANNEL	SW2	SVOA	Hexachlorobenzene	UG/L	4.00E+00	ND	4.00E-04	1.00E+04	poss-ND
SW	CHANNEL	SW3	SVOA	Hexachlorobenzene	UG/L	4.00E+00	ND	4.00E-04	1.00E+04	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	UG/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobenzene	UG/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Hexachlorobenzene	UG/L	1.00E+01	ND	4.00E-04	2.50E+04	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	UG/L	1.00E+02	ND	4.00E-04	2.50E+05	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/L	1.06E+00	ND	5.30E-02	2.00E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/L	1.06E+00	ND	5.30E-02	2.00E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/L	1.06E+00	ND	5.30E-02	2.00E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/L	1.06E+00	ND	5.30E-02	2.00E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/L	1.06E+00	ND	5.30E-02	2.00E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/L	1.06E+00	ND	5.30E-02	2.00E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/L	1.55E+00	ND	5.30E-02	2.92E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/L	1.55E+00	ND	5.30E-02	2.92E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/L	1.55E+00	ND	5.30E-02	2.92E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/L	2.40E+00	ND	5.30E-02	4.53E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/L	2.40E+00	ND	5.30E-02	4.53E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/L	2.40E+00	ND	5.30E-02	4.53E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/L	2.40E+00	ND	5.30E-02	4.53E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/L	2.40E+00	ND	5.30E-02	4.53E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/L	2.40E+00	ND	5.30E-02	4.53E+01	poss-ND
SW	CHANNEL	SW3	SVOA	Hexachlorobutadiene	UG/L	4.00E+00	ND	5.30E-02	7.55E+01	poss-ND
SW	CHANNEL	SW1	SVOA	Hexachlorobutadiene	UG/L	4.00E+00	ND	5.30E-02	7.55E+01	poss-ND
SW	CHANNEL	SW2	SVOA	Hexachlorobutadiene	UG/L	4.00E+00	ND	5.30E-02	7.55E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	UG/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	UG/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Hexachlorobutadiene	UG/L	1.00E+01	ND	5.30E-02	1.89E+02	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	UG/L	1.00E+02	ND	5.30E-02	1.89E+03	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	CHANNEL	SW3	SVOA	Hexachlorocyclopentadiene	UG/L	4.00E+00	ND	7.70E+01	5.19E-02	none
SW	CHANNEL	SW2	SVOA	Hexachlorocyclopentadiene	UG/L	4.00E+00	ND	7.70E+01	5.19E-02	none
SW	CHANNEL	SW1	SVOA	Hexachlorocyclopentadiene	UG/L	4.00E+00	ND	7.70E+01	5.19E-02	none
SW	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	UG/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	UG/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Hexachlorocyclopentadiene	UG/L	1.00E+01	ND	7.70E+01	1.30E-01	none
SW	CHANNEL	EFFLUENT	SVOA	Hexachlorocyclopentadiene	ug/L	5.00E+01	ND	7.70E+01	6.49E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	UG/L	1.00E+02	ND	7.70E+01	1.30E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/L	1.22E+00	ND	8.00E+00	1.53E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/L	1.22E+00	ND	8.00E+00	1.53E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/L	1.22E+00	ND	8.00E+00	1.53E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/L	1.30E+00	ND	8.00E+00	1.62E-01	none
SW	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/L	1.30E+00	ND	8.00E+00	1.62E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/L	1.30E+00	ND	8.00E+00	1.62E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/L	1.30E+00	ND	8.00E+00	1.62E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/L	1.30E+00	ND	8.00E+00	1.62E-01	none
SW	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/L	1.30E+00	ND	8.00E+00	1.62E-01	none
SW	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/L	1.60E+00	ND	8.00E+00	2.00E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/L	1.60E+00	ND	8.00E+00	2.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/L	1.60E+00	ND	8.00E+00	2.00E-01	none
SW	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/L	1.60E+00	ND	8.00E+00	2.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/L	1.60E+00	ND	8.00E+00	2.00E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/L	1.60E+00	ND	8.00E+00	2.00E-01	none
SW	CHANNEL	SW3	SVOA	Hexachloroethane	UG/L	3.00E+00	ND	8.00E+00	3.75E-01	none
SW	CHANNEL	SW1	SVOA	Hexachloroethane	UG/L	3.00E+00	ND	8.00E+00	3.75E-01	none
SW	CHANNEL	SW2	SVOA	Hexachloroethane	UG/L	3.00E+00	ND	8.00E+00	3.75E-01	none
SW	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	UG/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachloroethane	UG/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Hexachloroethane	UG/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/L	1.00E+01	ND	8.00E+00	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	UG/L	1.00E+02	ND	8.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.63E+00	ND	4.31E+00	3.78E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.63E+00	ND	4.31E+00	3.78E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.63E+00	ND	4.31E+00	3.78E-01	none
SW	CHANNEL	SW3	SVOA	Indeno(1,2,3-CD)pyrene	UG/L	5.00E+00	ND	4.31E+00	1.16E+00	poss-ND
SW	CHANNEL	SW2	SVOA	Indeno(1,2,3-CD)pyrene	UG/L	5.00E+00	ND	4.31E+00	1.16E+00	poss-ND
SW	CHANNEL	SW1	SVOA	Indeno(1,2,3-CD)pyrene	UG/L	5.00E+00	ND	4.31E+00	1.16E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	UG/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	UG/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Indeno(1,2,3-CD)pyrene	UG/L	1.00E+01	ND	4.31E+00	2.32E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	UG/L	1.00E+02	ND	4.31E+00	2.32E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/L	7.30E-01	ND	1.20E+01	6.08E-02	none
SW	CHANNEL	SWSW	SVOA	Naphthalene	ug/L	7.30E-01	ND	1.20E+01	6.08E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/L	7.30E-01	ND	1.20E+01	6.08E-02	none
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/L	7.30E-01	ND	1.20E+01	6.08E-02	none
SW	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/L	7.30E-01	ND	1.20E+01	6.08E-02	none
SW	CHANNEL	SWSW	SVOA	Naphthalene	ug/L	7.30E-01	ND	1.20E+01	6.08E-02	none
SW	CHANNEL	SWSW	SVOA	Naphthalene	ug/L	1.26E+00	ND	1.20E+01	1.05E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/L	1.26E+00	ND	1.20E+01	1.05E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/L	1.26E+00	ND	1.20E+01	1.05E-01	none
SW	CHANNEL	SW2	SVOA	Naphthalene	UG/L	2.00E+00	ND	1.20E+01	1.67E-01	none
SW	CHANNEL	SW1	SVOA	Naphthalene	UG/L	2.00E+00	ND	1.20E+01	1.67E-01	none
SW	CHANNEL	SW3	SVOA	Naphthalene	UG/L	2.00E+00	ND	1.20E+01	1.67E-01	none
SW	CHANNEL	SWSW	SVOA	Naphthalene	ug/L	2.40E+00	ND	1.20E+01	2.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/L	2.40E+00	ND	1.20E+01	2.00E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/L	2.40E+00	ND	1.20E+01	2.00E-01	none
SW	CHANNEL	SWSW	SVOA	Naphthalene	ug/L	2.40E+00	ND	1.20E+01	2.00E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/L	2.40E+00	ND	1.20E+01	2.00E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/L	2.40E+00	ND	1.20E+01	2.00E-01	none
SW	CHANNEL	SWSW	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWSW	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWSW	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWSW	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Naphthalene	UG/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	EFFLUENT	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWSW	SVOA	Naphthalene	UG/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWSW	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWSW	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES1	SVOA	Naphthalene	UG/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/L	1.00E+01	ND	1.20E+01	8.33E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Naphthalene	UG/L	1.00E+02	ND	1.20E+01	8.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/L	8.90E-01	ND	4.00E+00	2.22E-01	none
SW	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/L	8.90E-01	ND	4.00E+00	2.22E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/L	8.90E-01	ND	4.00E+00	2.22E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/L	8.90E-01	ND	4.00E+00	2.22E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/L	8.90E-01	ND	4.00E+00	2.22E-01	none
SW	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/L	1.70E+00	ND	4.00E+00	4.25E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/L	1.70E+00	ND	4.00E+00	4.25E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/L	1.70E+00	ND	4.00E+00	4.25E-01	none
SW	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/L	1.70E+00	ND	4.00E+00	4.25E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/L	1.70E+00	ND	4.00E+00	4.25E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/L	1.70E+00	ND	4.00E+00	4.25E-01	none
SW	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/L	2.38E+00	ND	4.00E+00	5.95E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/L	2.38E+00	ND	4.00E+00	5.95E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/L	2.38E+00	ND	4.00E+00	5.95E-01	none
SW	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Pentachlorophenol	UG/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	UG/L	5.00E+01	ND	4.00E+00	1.25E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	UG/L	5.00E+02	ND	4.00E+00	1.25E+02	poss-ND
SW	CHANNEL	SWSW	SVOA	Phenanthrene	ug/L	1.43E+00	ND	6.30E+00	2.27E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/L	1.43E+00	ND	6.30E+00	2.27E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/L	1.43E+00	ND	6.30E+00	2.27E-01	none
SW	CHANNEL	SWSW	SVOA	Phenanthrene	ug/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SWSW	SVOA	Phenanthrene	ug/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SWSW	SVOA	Phenanthrene	ug/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SWSW	SVOA	Phenanthrene	ug/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SW2	SVOA	Phenanthrene	UG/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SW3	SVOA	Phenanthrene	UG/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SW1	SVOA	Phenanthrene	UG/L	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	CHANNEL	SWSW	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Phenanthrene	UG/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Phenanthrene	UG/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Phenanthrene	UG/L	1.00E+01	ND	6.30E+00	1.59E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Phenanthrene	UG/L	1.00E+02	ND	6.30E+00	1.59E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Pyrene	ug/L	7.40E-01	ND	3.00E-01	2.47E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/L	7.40E-01	ND	3.00E-01	2.47E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/L	7.40E-01	ND	3.00E-01	2.47E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/L	7.40E-01	ND	3.00E-01	2.47E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/L	7.40E-01	ND	3.00E-01	2.47E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Pyrene	ug/L	7.40E-01	ND	3.00E-01	2.47E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Pyrene	ug/L	1.90E+00	ND	3.00E-01	6.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/L	1.90E+00	ND	3.00E-01	6.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/L	1.90E+00	ND	3.00E-01	6.33E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Pyrene	ug/L	1.90E+00	ND	3.00E-01	6.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/L	1.90E+00	ND	3.00E-01	6.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/L	1.90E+00	ND	3.00E-01	6.33E+00	poss-ND
SW	CHANNEL	SW3	SVOA	Pyrene	UG/L	2.00E+00	ND	3.00E-01	6.67E+00	poss-ND
SW	CHANNEL	SW2	SVOA	Pyrene	UG/L	2.00E+00	ND	3.00E-01	6.67E+00	poss-ND
SW	CHANNEL	SW1	SVOA	Pyrene	UG/L	2.00E+00	ND	3.00E-01	6.67E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Pyrene	ug/L	2.02E+00	ND	3.00E-01	6.73E+00	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/L	2.02E+00	ND	3.00E-01	6.73E+00	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/L	2.02E+00	ND	3.00E-01	6.73E+00	poss-ND
SW	CHANNEL	SWSW	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pyrene	UG/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	EFFLUENT	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Pyrene	UG/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWSW	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES1	SVOA	Pyrene	UG/L	1.00E+01	ND	3.00E-01	3.33E+01	poss-ND
SW	CHANNEL	SWNPDES2	SVOA	Pyrene	UG/L	1.00E+02	ND	3.00E-01	3.33E+02	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWSW	TOTMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Antimony, Dissolved	ug/L	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	CHANNEL	SWSW	TOTMET	Antimony, Dissolved	ug/L	5.02E+00	ND	3.00E+01	1.67E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Antimony, Dissolved	ug/L	5.02E+00	ND	3.00E+01	1.67E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Antimony, Dissolved	ug/L	5.02E+00	ND	3.00E+01	1.67E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Antimony, Dissolved	ug/L	5.02E+00	ND	3.00E+01	1.67E-01	none
SW	CHANNEL	SWSW	TOTMET	Antimony, Dissolved	ug/L	5.02E+00	ND	3.00E+01	1.67E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Antimony, Dissolved	ug/L	5.02E+00	ND	3.00E+01	1.67E-01	none
SW	CHANNEL	SWSW	TOTMET	Antimony, Dissolved	ug/L	5.02E+00	ND	3.00E+01	1.67E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Antimony, Dissolved	ug/L	5.02E+00	ND	3.00E+01	1.67E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	TOTMET	Antimony, Dissolved	ug/L	5.02E+00	ND	3.00E+01	1.67E-01	none
SW	CHANNEL	EFFLUENT	TOTMET	Antimony, Dissolved	ug/L	1.00E+01	ND	3.00E+01	3.33E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Antimony, Dissolved	UG/L	5.00E+01	ND	3.00E+01	1.67E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Antimony, Dissolved	UG/L	5.00E+01	ND	3.00E+01	1.67E+00	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Antimony, Dissolved	UG/L	5.00E+01	ND	3.00E+01	1.67E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Antimony, Dissolved	ug/L	6.00E+01	ND	3.00E+01	2.00E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Antimony, Dissolved	UG/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Antimony, Dissolved	ug/L	1.00E+02	ND	3.00E+01	3.33E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	ug/L	2.00E-01	ND	4.00E+00	5.00E-02	none
SW	CHANNEL	SWSW	TOTMET	Barium, Dissolved	ug/L	2.00E-01	ND	4.00E+00	5.00E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Barium, Dissolved	ug/L	2.00E-01	ND	4.00E+00	5.00E-02	none
SW	CHANNEL	SWSW	TOTMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWSW	TOTMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWSW	TOTMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWSW	TOTMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	ug/L	1.30E+00	ND	4.00E+00	3.25E-01	none
SW	CHANNEL	SWSW	TOTMET	Barium, Dissolved	ug/L	1.00E+01	DET	4.00E+00	2.50E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Barium, Dissolved	UG/L	1.80E+01	DET	4.00E+00	4.50E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Barium, Dissolved	ug/L	2.00E+01	DET	4.00E+00	5.00E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	ug/L	2.00E+01	DET	4.00E+00	5.00E+00	poss-det
SW	CHANNEL	EFFLUENT	TOTMET	Barium, Dissolved	ug/L	2.50E+01	DET	4.00E+00	6.25E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	ug/L	2.60E+01	DET	4.00E+00	6.50E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Barium, Dissolved	ug/L	2.70E+01	DET	4.00E+00	6.75E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Barium, Dissolved	ug/L	3.00E+01	DET	4.00E+00	7.50E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Barium, Dissolved	ug/L	3.00E+01	DET	4.00E+00	7.50E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	ug/L	3.00E+01	DET	4.00E+00	7.50E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Barium, Dissolved	ug/L	3.60E+01	DET	4.00E+00	9.00E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Barium, Dissolved	ug/L	4.00E+01	DET	4.00E+00	1.00E+01	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	ug/L	4.00E+01	DET	4.00E+00	1.00E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Barium, Dissolved	ug/L	4.70E+01	DET	4.00E+00	1.18E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Barium, Dissolved	ug/L	4.80E+01	DET	4.00E+00	1.20E+01	poss-det
SW	CHANNEL	SWNPDES1	TOTMET	Barium, Dissolved	ug/L	6.00E+01	DET	4.00E+00	1.50E+01	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	ug/L	7.00E+01	DET	4.00E+00	1.75E+01	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	UG/L	7.40E+01	DET	4.00E+00	1.85E+01	poss-det
SW	CHANNEL	SWNPDES1	TOTMET	Barium, Dissolved	UG/L	7.50E+01	DET	4.00E+00	1.88E+01	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	ug/L	1.00E+02	DET	4.00E+00	2.50E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Barium, Dissolved	ug/L	1.10E+02	DET	4.00E+00	2.75E+01	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Barium, Dissolved	ug/L	1.10E+02	DET	4.00E+00	2.75E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Barium, Dissolved	ug/L	1.20E+02	DET	4.00E+00	3.00E+01	poss-det
SW	CHANNEL	SWNPDES1	TOTMET	Barium, Dissolved	ug/L	1.60E+02	DET	4.00E+00	4.00E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Barium, Dissolved	ug/L	2.04E+02	DET	4.00E+00	5.10E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Barium, Dissolved	ug/L	2.70E+02	DET	4.00E+00	6.75E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Barium, Dissolved	UG/L	1.90E+03	DET	4.00E+00	4.75E+02	poss-det
SW	CHANNEL	SWSW	TOTMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	TOTMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	ug/L	1.36E+00	ND	6.60E-01	2.06E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	UG/L	2.00E+00	ND	6.60E-01	3.03E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Beryllium, Dissolved	UG/L	2.00E+00	ND	6.60E-01	3.03E+00	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Beryllium, Dissolved	UG/L	2.00E+00	ND	6.60E-01	3.03E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Beryllium, Dissolved	ug/L	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	EFFLUENT	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Beryllium, Dissolved	ug/L	5.00E+00	ND	6.60E-01	7.58E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Beryllium, Dissolved	UG/L	7.00E+00	DET	6.60E-01	1.06E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	6.40E-01	7.81E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	6.40E-01	7.81E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Cadmium, Dissolved	ug/L	5.00E-01	ND	6.40E-01	7.81E-01	none
SW	CHANNEL	SWSW	TOTMET	Cadmium, Dissolved	ug/L	1.11E+00	ND	6.40E-01	1.73E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cadmium, Dissolved	ug/L	1.11E+00	ND	6.40E-01	1.73E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cadmium, Dissolved	ug/L	1.11E+00	ND	6.40E-01	1.73E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cadmium, Dissolved	ug/L	1.11E+00	ND	6.40E-01	1.73E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cadmium, Dissolved	ug/L	1.11E+00	ND	6.40E-01	1.73E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Cadmium, Dissolved	ug/L	1.11E+00	ND	6.40E-01	1.73E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cadmium, Dissolved	ug/L	1.11E+00	ND	6.40E-01	1.73E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cadmium, Dissolved	ug/L	1.11E+00	ND	6.40E-01	1.73E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Cadmium, Dissolved	ug/L	1.11E+00	ND	6.40E-01	1.73E+00	poss-ND
SW	CHANNEL	SW1	TOTMET	Cadmium, Dissolved	UG/L	3.00E+00	ND	6.40E-01	4.69E+00	poss-ND
SW	CHANNEL	SW2	TOTMET	Cadmium, Dissolved	UG/L	3.00E+00	ND	6.40E-01	4.69E+00	poss-ND
SW	CHANNEL	SW3	TOTMET	Cadmium, Dissolved	UG/L	3.00E+00	ND	6.40E-01	4.69E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cadmium, Dissolved	UG/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	EFFLUENT	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Cadmium, Dissolved	UG/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cadmium, Dissolved	ug/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Cadmium, Dissolved	UG/L	5.00E+00	ND	6.40E-01	7.81E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cadmium, Dissolved	UG/L	1.00E+01	ND	6.40E-01	1.56E+01	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Chromium (VI), Dissolved	ug/L	6.00E+00	ND	1.14E+01	5.25E-01	none
SW	CHANNEL	SWSW	TOTMET	Chromium (VI), Dissolved	ug/L	6.00E+00	ND	1.14E+01	5.25E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium (VI), Dissolved	ug/L	6.00E+00	ND	1.14E+01	5.25E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium (VI), Dissolved	ug/L	6.00E+00	ND	1.14E+01	5.25E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium (VI), Dissolved	ug/L	6.00E+00	ND	1.14E+01	5.25E-01	none
SW	CHANNEL	SWSW	TOTMET	Chromium (VI), Dissolved	ug/L	6.00E+00	ND	1.14E+01	5.25E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	TOTMET	Chromium (VI), Dissolved	ug/L	6.00E+00	ND	1.14E+01	5.25E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium (VI), Dissolved	ug/L	6.00E+00	ND	1.14E+01	5.25E-01	none
SW	CHANNEL	SWSW	TOTMET	Chromium (VI), Dissolved	ug/L	6.00E+00	ND	1.14E+01	5.25E-01	none
SW	CHANNEL	SWSW	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium (VI), Dissolved	UG/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWSW	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	EFFLUENT	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWSW	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWSW	TOTMET	Chromium (VI), Dissolved	UG/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWSW	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWSW	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Chromium (VI), Dissolved	UG/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium (VI), Dissolved	UG/L	1.10E+01	DET	1.14E+01	9.62E-01	none
SW	CHANNEL	EFFLUENT	TOTMET	Chromium, Dissolved	ug/L	9.30E-01	DET	2.22E+02	4.18E-03	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	ug/L	1.00E+00	ND	2.22E+02	4.50E-03	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium, Dissolved	ug/L	1.00E+00	ND	2.22E+02	4.50E-03	none
SW	CHANNEL	SWSW	TOTMET	Chromium, Dissolved	ug/L	4.44E+00	ND	2.22E+02	2.00E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	ug/L	4.44E+00	ND	2.22E+02	2.00E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium, Dissolved	ug/L	4.44E+00	ND	2.22E+02	2.00E-02	none
SW	CHANNEL	SWSW	TOTMET	Chromium, Dissolved	ug/L	4.44E+00	ND	2.22E+02	2.00E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium, Dissolved	ug/L	4.44E+00	ND	2.22E+02	2.00E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	ug/L	4.44E+00	ND	2.22E+02	2.00E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	ug/L	4.44E+00	ND	2.22E+02	2.00E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	ug/L	4.44E+00	ND	2.22E+02	2.00E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium, Dissolved	ug/L	4.44E+00	ND	2.22E+02	2.00E-02	none
SW	CHANNEL	SWSW	TOTMET	Chromium, Dissolved	ug/L	4.44E+00	ND	2.22E+02	2.00E-02	none
SW	CHANNEL	SWSW	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWSW	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWSW	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	DET	2.22E+02	4.50E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWSW	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWSW	TOTMET	Chromium, Dissolved	UG/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWSW	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWSW	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWNPDES1	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	ug/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SWNPDES1	TOTMET	Chromium, Dissolved	UG/L	1.00E+01	ND	2.22E+02	4.50E-02	none
SW	CHANNEL	SW3	TOTMET	Chromium, Dissolved	UG/L	1.22E+01	DET	2.22E+02	5.49E-02	none
SW	CHANNEL	SWSW	TOTMET	Chromium, Dissolved	ug/L	1.29E+01	DET	2.22E+02	5.80E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium, Dissolved	ug/L	1.60E+01	DET	2.22E+02	7.20E-02	none
SW	CHANNEL	SW1	TOTMET	Chromium, Dissolved	UG/L	1.80E+01	DET	2.22E+02	8.10E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	ug/L	2.00E+01	DET	2.22E+02	9.00E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Chromium, Dissolved	UG/L	2.10E+01	DET	2.22E+02	9.45E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium, Dissolved	ug/L	2.65E+01	DET	2.22E+02	1.19E-01	none
SW	CHANNEL	SWSW	TOTMET	Chromium, Dissolved	ug/L	2.91E+01	DET	2.22E+02	1.31E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Chromium, Dissolved	ug/L	3.00E+01	DET	2.22E+02	1.35E-01	none
SW	CHANNEL	SW2	TOTMET	Chromium, Dissolved	UG/L	3.83E+01	DET	2.22E+02	1.72E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium, Dissolved	ug/L	4.00E+01	DET	2.22E+02	1.80E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Chromium, Dissolved	UG/L	6.30E+02	DET	2.22E+02	2.83E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWSW	TOTMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWSW	TOTMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWSW	TOTMET	Cobalt, Dissolved	ug/L	1.12E+00	ND	2.30E+01	4.87E-02	none
SW	CHANNEL	EFFLUENT	TOTMET	Cobalt, Dissolved	ug/L	1.40E+00	DET	2.30E+01	6.09E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWSW	TOTMET	Cobalt, Dissolved	ug/L	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Cobalt, Dissolved	UG/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWSW	TOTMET	Cobalt, Dissolved	UG/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Cobalt, Dissolved	UG/L	1.00E+01	ND	2.30E+01	4.35E-01	none
SW	CHANNEL	SWSW	TOTMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Cobalt, Dissolved	ug/L	3.00E+01	ND	2.30E+01	1.30E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Cobalt, Dissolved	UG/L	2.60E+02	DET	2.30E+01	1.13E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Copper, Dissolved	ug/L	1.32E+00	ND	2.51E+01	5.27E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	ug/L	1.32E+00	ND	2.51E+01	5.27E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Copper, Dissolved	ug/L	1.32E+00	ND	2.51E+01	5.27E-02	none
SW	CHANNEL	SWSW	TOTMET	Copper, Dissolved	ug/L	1.32E+00	ND	2.51E+01	5.27E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Copper, Dissolved	ug/L	1.32E+00	ND	2.51E+01	5.27E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	ug/L	1.32E+00	ND	2.51E+01	5.27E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	ug/L	1.32E+00	ND	2.51E+01	5.27E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Copper, Dissolved	ug/L	1.32E+00	ND	2.51E+01	5.27E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	ug/L	1.32E+00	ND	2.51E+01	5.27E-02	none
SW	CHANNEL	SWSW	TOTMET	Copper, Dissolved	ug/L	1.32E+00	ND	2.51E+01	5.27E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	ug/L	2.30E+00	ND	2.51E+01	9.17E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Copper, Dissolved	ug/L	2.30E+00	ND	2.51E+01	9.17E-02	none
SW	CHANNEL	EFFLUENT	TOTMET	Copper, Dissolved	ug/L	8.40E+00	ND	2.51E+01	3.35E-01	none
SW	CHANNEL	SWSW	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWSW	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWSW	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWSW	TOTMET	Copper, Dissolved	UG/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWSW	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWSW	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	ug/L	1.00E+01	DET	2.51E+01	3.99E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	ug/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Copper, Dissolved	UG/L	1.00E+01	ND	2.51E+01	3.99E-01	none
SW	CHANNEL	SWSW	TOTMET	Copper, Dissolved	ug/L	1.10E+01	DET	2.51E+01	4.39E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Copper, Dissolved	ug/L	1.50E+01	DET	2.51E+01	5.98E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Copper, Dissolved	ug/L	2.20E+01	DET	2.51E+01	8.78E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	UG/L	2.60E+01	DET	2.51E+01	1.04E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Copper, Dissolved	ug/L	2.99E+01	DET	2.51E+01	1.19E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	ug/L	3.00E+01	DET	2.51E+01	1.20E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Copper, Dissolved	ug/L	3.10E+01	DET	2.51E+01	1.24E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Copper, Dissolved	ug/L	4.00E+01	DET	2.51E+01	1.60E+00	poss-det
SW	CHANNEL	SWNPDES1	TOTMET	Copper, Dissolved	ug/L	6.00E+01	DET	2.51E+01	2.39E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Copper, Dissolved	ug/L	9.20E+01	DET	2.51E+01	3.67E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Copper, Dissolved	ug/L	9.32E+01	DET	2.51E+01	3.72E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Copper, Dissolved	UG/L	1.30E+03	DET	2.51E+01	5.19E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	8.00E+01	DET	1.00E+03	8.00E-02	none
SW	CHANNEL	SWNPDES1	TOTMET	Iron, Dissolved	ug/L	1.00E+02	DET	1.00E+03	1.00E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	1.10E+02	DET	1.00E+03	1.10E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	1.60E+02	DET	1.00E+03	1.60E-01	none
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	1.80E+02	DET	1.00E+03	1.80E-01	none
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	2.00E+02	ND	1.00E+03	2.00E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	2.00E+02	DET	1.00E+03	2.00E-01	none
SW	CHANNEL	EFFLUENT	TOTMET	Iron, Dissolved	ug/L	2.90E+02	DET	1.00E+03	2.90E-01	none
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	3.90E+02	DET	1.00E+03	3.90E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	4.60E+02	DET	1.00E+03	4.60E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	5.00E+02	DET	1.00E+03	5.00E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	5.70E+02	DET	1.00E+03	5.70E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	6.20E+02	DET	1.00E+03	6.20E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Iron, Dissolved	ug/L	6.30E+02	DET	1.00E+03	6.30E-01	none
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	6.90E+02	DET	1.00E+03	6.90E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	7.40E+02	DET	1.00E+03	7.40E-01	none
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	8.90E+02	DET	1.00E+03	8.90E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Iron, Dissolved	ug/L	1.02E+03	DET	1.00E+03	1.02E+00	poss-det

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	1.12E+03	DET	1.00E+03	1.12E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	1.13E+03	DET	1.00E+03	1.13E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	1.13E+03	DET	1.00E+03	1.13E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	1.14E+03	DET	1.00E+03	1.14E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	1.16E+03	DET	1.00E+03	1.16E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	1.20E+03	ND	1.00E+03	1.20E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	1.41E+03	DET	1.00E+03	1.41E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	1.42E+03	DET	1.00E+03	1.42E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	1.60E+03	DET	1.00E+03	1.60E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	1.61E+03	DET	1.00E+03	1.61E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	1.90E+03	DET	1.00E+03	1.90E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	2.20E+03	DET	1.00E+03	2.20E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	2.36E+03	DET	1.00E+03	2.36E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	3.20E+03	DET	1.00E+03	3.20E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	3.46E+03	DET	1.00E+03	3.46E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	3.61E+03	DET	1.00E+03	3.61E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	4.27E+03	DET	1.00E+03	4.27E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	5.60E+03	DET	1.00E+03	5.60E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	6.02E+03	DET	1.00E+03	6.02E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	6.20E+03	DET	1.00E+03	6.20E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	7.50E+03	DET	1.00E+03	7.50E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	9.50E+03	DET	1.00E+03	9.50E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	9.60E+03	DET	1.00E+03	9.60E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Iron, Dissolved	ug/L	1.32E+04	DET	1.00E+03	1.32E+01	poss-det
SW	CHANNEL	SWNPDES1	TOTMET	Iron, Dissolved	ug/L	2.70E+04	DET	1.00E+03	2.70E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	2.92E+04	DET	1.00E+03	2.92E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Iron, Dissolved	ug/L	4.62E+04	DET	1.00E+03	4.62E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Iron, Dissolved	ug/L	5.25E+04	DET	1.00E+03	5.25E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWSW	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWSW	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWSW	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWSW	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWSW	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Lead, Dissolved	ug/L	2.00E+00	ND	1.39E+01	1.44E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Lead, Dissolved	ug/L	2.20E+00	ND	1.39E+01	1.59E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Lead, Dissolved	ug/L	2.20E+00	ND	1.39E+01	1.59E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Lead, Dissolved	ug/L	2.50E+00	DET	1.39E+01	1.80E-01	none
SW	CHANNEL	SWSW	TOTMET	Lead, Dissolved	ug/L	2.66E+00	ND	1.39E+01	1.92E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Lead, Dissolved	ug/L	2.66E+00	ND	1.39E+01	1.92E-01	none
SW	CHANNEL	SWSW	TOTMET	Lead, Dissolved	ug/L	2.66E+00	ND	1.39E+01	1.92E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Lead, Dissolved	ug/L	2.66E+00	ND	1.39E+01	1.92E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Lead, Dissolved	ug/L	2.66E+00	ND	1.39E+01	1.92E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Lead, Dissolved	ug/L	2.66E+00	ND	1.39E+01	1.92E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Lead, Dissolved	ug/L	2.66E+00	ND	1.39E+01	1.92E-01	none
SW	CHANNEL	SW1	TOTMET	Lead, Dissolved	UG/L	2.80E+00	DET	1.39E+01	2.02E-01	none
SW	CHANNEL	EFFLUENT	TOTMET	Lead, Dissolved	ug/L	3.00E+00	ND	1.39E+01	2.16E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Lead, Dissolved	ug/L	3.00E+00	DET	1.39E+01	2.16E-01	none
SW	CHANNEL	SWSW	TOTMET	Lead, Dissolved	ug/L	3.80E+00	DET	1.39E+01	2.74E-01	none
SW	CHANNEL	SWSW	TOTMET	Lead, Dissolved	ug/L	4.00E+00	DET	1.39E+01	2.88E-01	none
SW	CHANNEL	SW3	TOTMET	Lead, Dissolved	UG/L	4.30E+00	DET	1.39E+01	3.10E-01	none
SW	CHANNEL	SWSW	TOTMET	Lead, Dissolved	UG/L	5.00E+00	ND	1.39E+01	3.60E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Lead, Dissolved	UG/L	5.00E+00	ND	1.39E+01	3.60E-01	none
SW	CHANNEL	SW2	TOTMET	Lead, Dissolved	UG/L	6.90E+00	DET	1.39E+01	4.97E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Lead, Dissolved	ug/L	8.00E+00	DET	1.39E+01	5.76E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Lead, Dissolved	ug/L	1.15E+01	DET	1.39E+01	8.29E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Lead, Dissolved	ug/L	1.20E+01	DET	1.39E+01	8.65E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Lead, Dissolved	UG/L	2.20E+01	DET	1.39E+01	1.59E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Lead, Dissolved	UG/L	3.70E+02	DET	1.39E+01	2.67E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Manganese, Dissolved	ug/L	2.91E+00	ND	1.20E+02	2.43E-02	none
SW	CHANNEL	SWSW	TOTMET	Manganese, Dissolved	ug/L	4.00E+01	DET	1.20E+02	3.33E-01	none
SW	CHANNEL	SWSW	TOTMET	Manganese, Dissolved	ug/L	4.60E+01	DET	1.20E+02	3.83E-01	none
SW	CHANNEL	EFFLUENT	TOTMET	Manganese, Dissolved	ug/L	5.10E+01	DET	1.20E+02	4.25E-01	none
SW	CHANNEL	SWSW	TOTMET	Manganese, Dissolved	ug/L	6.50E+01	DET	1.20E+02	5.42E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Manganese, Dissolved	ug/L	1.47E+02	DET	1.20E+02	1.23E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Manganese, Dissolved	ug/L	1.50E+02	DET	1.20E+02	1.25E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Manganese, Dissolved	ug/L	1.70E+02	DET	1.20E+02	1.42E+00	poss-det

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWSW	TOTMET	Manganese, Dissolved	ug/L	2.10E+02	DET	1.20E+02	1.75E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Manganese, Dissolved	ug/L	2.20E+02	DET	1.20E+02	1.83E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Manganese, Dissolved	ug/L	2.23E+02	DET	1.20E+02	1.86E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Manganese, Dissolved	ug/L	2.30E+02	DET	1.20E+02	1.92E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Manganese, Dissolved	ug/L	2.32E+02	DET	1.20E+02	1.93E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Manganese, Dissolved	ug/L	2.59E+02	DET	1.20E+02	2.16E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Manganese, Dissolved	ug/L	2.60E+02	DET	1.20E+02	2.17E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Manganese, Dissolved	ug/L	2.90E+02	DET	1.20E+02	2.42E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Manganese, Dissolved	ug/L	3.90E+02	DET	1.20E+02	3.25E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Manganese, Dissolved	ug/L	3.90E+02	DET	1.20E+02	3.25E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Manganese, Dissolved	ug/L	4.50E+02	DET	1.20E+02	3.75E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Manganese, Dissolved	ug/L	4.60E+02	DET	1.20E+02	3.83E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Manganese, Dissolved	ug/L	4.81E+02	DET	1.20E+02	4.01E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Manganese, Dissolved	ug/L	5.40E+02	DET	1.20E+02	4.50E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Manganese, Dissolved	ug/L	5.48E+02	DET	1.20E+02	4.57E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Manganese, Dissolved	ug/L	5.51E+02	DET	1.20E+02	4.59E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Manganese, Dissolved	ug/L	5.71E+02	DET	1.20E+02	4.76E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Manganese, Dissolved	ug/L	6.20E+02	DET	1.20E+02	5.17E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Manganese, Dissolved	ug/L	6.20E+02	DET	1.20E+02	5.17E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Manganese, Dissolved	ug/L	6.30E+02	DET	1.20E+02	5.25E+00	poss-det
SW	CHANNEL	SWNPDES1	TOTMET	Manganese, Dissolved	ug/L	7.00E+02	DET	1.20E+02	5.83E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Manganese, Dissolved	ug/L	7.70E+02	DET	1.20E+02	6.42E+00	poss-det
SW	CHANNEL	SWNPDES1	TOTMET	Manganese, Dissolved	ug/L	8.70E+02	DET	1.20E+02	7.25E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Manganese, Dissolved	ug/L	1.10E+03	DET	1.20E+02	9.17E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Manganese, Dissolved	ug/L	1.25E+03	DET	1.20E+02	1.04E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Manganese, Dissolved	ug/L	1.28E+03	DET	1.20E+02	1.07E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Manganese, Dissolved	ug/L	1.29E+03	DET	1.20E+02	1.08E+01	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Manganese, Dissolved	ug/L	1.49E+03	DET	1.20E+02	1.24E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Manganese, Dissolved	ug/L	2.67E+03	DET	1.20E+02	2.23E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Mercury, Dissolved	ug/L	1.70E-02	ND	9.10E-01	1.87E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	ug/L	1.70E-02	ND	9.10E-01	1.87E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Mercury, Dissolved	ug/L	1.70E-02	ND	9.10E-01	1.87E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	ug/L	1.70E-02	ND	9.10E-01	1.87E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Mercury, Dissolved	ug/L	1.70E-02	ND	9.10E-01	1.87E-02	none
SW	CHANNEL	SWSW	TOTMET	Mercury, Dissolved	ug/L	1.70E-02	ND	9.10E-01	1.87E-02	none
SW	CHANNEL	SWSW	TOTMET	Mercury, Dissolved	ug/L	5.80E-02	ND	9.10E-01	6.37E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	ug/L	5.80E-02	ND	9.10E-01	6.37E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Mercury, Dissolved	ug/L	5.80E-02	ND	9.10E-01	6.37E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Mercury, Dissolved	ug/L	6.00E-02	ND	9.10E-01	6.59E-02	none
SW	CHANNEL	SWSW	TOTMET	Mercury, Dissolved	ug/L	6.00E-02	ND	9.10E-01	6.59E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Mercury, Dissolved	ug/L	6.00E-02	ND	9.10E-01	6.59E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	ug/L	6.00E-02	ND	9.10E-01	6.59E-02	none
SW	CHANNEL	SWSW	TOTMET	Mercury, Dissolved	ug/L	6.00E-02	ND	9.10E-01	6.59E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	ug/L	6.00E-02	ND	9.10E-01	6.59E-02	none
SW	CHANNEL	SWSW	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWSW	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWSW	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	EFFLUENT	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWSW	TOTMET	Mercury, Dissolved	UG/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWSW	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWSW	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SW3	TOTMET	Mercury, Dissolved	UG/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWSW	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SW2	TOTMET	Mercury, Dissolved	UG/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SW1	TOTMET	Mercury, Dissolved	UG/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	ug/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Mercury, Dissolved	UG/L	2.00E-01	ND	9.10E-01	2.20E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Mercury, Dissolved	UG/L	7.90E-01	DET	9.10E-01	8.68E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Mercury, Dissolved	UG/L	8.80E-01	DET	9.10E-01	9.67E-01	none
SW	CHANNEL	SWSW	TOTMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.39E+02	3.78E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.39E+02	3.78E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.39E+02	3.78E-02	none
SW	CHANNEL	SWSW	TOTMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.39E+02	3.78E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.39E+02	3.78E-02	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.39E+02	3.78E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.39E+02	3.78E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.39E+02	3.78E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.39E+02	3.78E-02	none
SW	CHANNEL	SWSW	TOTMET	Nickel, Dissolved	ug/L	5.25E+00	ND	1.39E+02	3.78E-02	none
SW	CHANNEL	EFFLUENT	TOTMET	Nickel, Dissolved	ug/L	3.90E+01	DET	1.39E+02	2.81E-01	none
SW	CHANNEL	SWSW	TOTMET	Nickel, Dissolved	UG/L	4.00E+01	ND	1.39E+02	2.88E-01	none
SW	CHANNEL	SWSW	TOTMET	Nickel, Dissolved	ug/L	4.00E+01	ND	1.39E+02	2.88E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Nickel, Dissolved	ug/L	4.00E+01	ND	1.39E+02	2.88E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Nickel, Dissolved	ug/L	4.00E+01	ND	1.39E+02	2.88E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	ug/L	4.00E+01	ND	1.39E+02	2.88E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Nickel, Dissolved	ug/L	4.66E+01	DET	1.39E+02	3.36E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Nickel, Dissolved	ug/L	4.85E+01	DET	1.39E+02	3.49E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	ug/L	5.06E+01	DET	1.39E+02	3.65E-01	none
SW	CHANNEL	SWSW	TOTMET	Nickel, Dissolved	ug/L	5.27E+01	DET	1.39E+02	3.80E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	ug/L	6.20E+01	DET	1.39E+02	4.47E-01	none
SW	CHANNEL	SWSW	TOTMET	Nickel, Dissolved	ug/L	6.62E+01	DET	1.39E+02	4.77E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Nickel, Dissolved	UG/L	7.60E+01	DET	1.39E+02	5.48E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Nickel, Dissolved	ug/L	8.00E+01	DET	1.39E+02	5.76E-01	none
SW	CHANNEL	SWSW	TOTMET	Nickel, Dissolved	ug/L	8.10E+01	DET	1.39E+02	5.84E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Nickel, Dissolved	ug/L	8.20E+01	DET	1.39E+02	5.91E-01	none
SW	CHANNEL	SWSW	TOTMET	Nickel, Dissolved	ug/L	9.00E+01	DET	1.39E+02	6.48E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Nickel, Dissolved	ug/L	1.00E+02	DET	1.39E+02	7.20E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Nickel, Dissolved	ug/L	1.10E+02	DET	1.39E+02	7.93E-01	none
SW	CHANNEL	SWSW	TOTMET	Nickel, Dissolved	ug/L	1.20E+02	DET	1.39E+02	8.65E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	ug/L	1.70E+02	DET	1.39E+02	1.22E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	UG/L	1.90E+02	DET	1.39E+02	1.37E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	ug/L	2.70E+02	DET	1.39E+02	1.95E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Nickel, Dissolved	ug/L	2.80E+02	DET	1.39E+02	2.02E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	ug/L	3.30E+02	DET	1.39E+02	2.38E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	ug/L	3.80E+02	DET	1.39E+02	2.74E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Nickel, Dissolved	ug/L	4.00E+02	DET	1.39E+02	2.88E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Nickel, Dissolved	ug/L	4.20E+02	DET	1.39E+02	3.03E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Nickel, Dissolved	ug/L	8.10E+02	DET	1.39E+02	5.84E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Nickel, Dissolved	UG/L	8.40E+02	DET	1.39E+02	6.05E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Nickel, Dissolved	ug/L	1.20E+03	DET	1.39E+02	8.65E+00	poss-det
SW	CHANNEL	EFFLUENT	TOTMET	Selenium, Dissolved	ug/L	1.00E+00	DET	5.00E+00	2.00E-01	none
SW	CHANNEL	SW2	TOTMET	Selenium, Dissolved	UG/L	2.10E+00	ND	5.00E+00	4.20E-01	none
SW	CHANNEL	SW3	TOTMET	Selenium, Dissolved	UG/L	2.10E+00	ND	5.00E+00	4.20E-01	none
SW	CHANNEL	SW1	TOTMET	Selenium, Dissolved	UG/L	2.10E+00	ND	5.00E+00	4.20E-01	none
SW	CHANNEL	SWSW	TOTMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWSW	TOTMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWSW	TOTMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWSW	TOTMET	Selenium, Dissolved	ug/L	4.49E+00	ND	5.00E+00	8.98E-01	none
SW	CHANNEL	SWSW	TOTMET	Selenium, Dissolved	ug/L	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Selenium, Dissolved	ug/L	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	CHANNEL	SWSW	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Selenium, Dissolved	UG/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Selenium, Dissolved	UG/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Selenium, Dissolved	UG/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Selenium, Dissolved	ug/L	5.00E+00	ND	5.00E+00	1.00E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Selenium, Dissolved	ug/L	5.10E+00	DET	5.00E+00	1.02E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Selenium, Dissolved	UG/L	5.00E+01	ND	5.00E+00	1.00E+01	poss-ND
SW	CHANNEL	SWSW	TOTMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	TOTMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Silver, Dissolved	ug/L	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Silver, Dissolved	ug/L	1.81E+00	ND	3.60E-01	5.03E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Silver, Dissolved	ug/L	1.81E+00	ND	3.60E-01	5.03E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Silver, Dissolved	ug/L	1.81E+00	ND	3.60E-01	5.03E+00	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Silver, Dissolved	ug/L	1.81E+00	ND	3.60E-01	5.03E+00	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Silver, Dissolved	ug/L	1.81E+00	ND	3.60E-01	5.03E+00	poss-ND
SW	CHANNEL	SWSW	TOTMET	Silver, Dissolved	ug/L	1.81E+00	ND	3.60E-01	5.03E+00	poss-ND
SW	CHANNEL	SW2	TOTMET	Silver, Dissolved	UG/L	4.90E+00	ND	3.60E-01	1.36E+01	poss-ND
SW	CHANNEL	SW1	TOTMET	Silver, Dissolved	UG/L	4.90E+00	ND	3.60E-01	1.36E+01	poss-ND
SW	CHANNEL	SW3	TOTMET	Silver, Dissolved	UG/L	4.90E+00	ND	3.60E-01	1.36E+01	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Silver, Dissolved	UG/L	1.00E+01	ND	3.60E-01	2.78E+01	poss-ND
SW	CHANNEL	SWSW	TOTMET	Silver, Dissolved	UG/L	1.00E+01	ND	3.60E-01	2.78E+01	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Silver, Dissolved	UG/L	1.00E+01	ND	3.60E-01	2.78E+01	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Silver, Dissolved	UG/L	2.00E+01	ND	3.60E-01	5.56E+01	poss-ND
SW	CHANNEL	SWNPDES2	TOTMET	Thallium, Dissolved	UG/L	2.00E+03	ND	1.20E+01	1.67E+02	poss-ND
SW	CHANNEL	SWSW	TOTMET	Thallium, Dissolved	UG/L	2.00E+03	ND	1.20E+01	1.67E+02	poss-ND
SW	CHANNEL	SWNPDES1	TOTMET	Thallium, Dissolved	UG/L	2.00E+03	ND	1.20E+01	1.67E+02	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Thallium, Dissolved	UG/L	4.00E+03	ND	1.20E+01	3.33E+02	poss-ND
SW	CHANNEL	SWNPDES3	TOTMET	Vanadium, Dissolved	ug/L	2.00E-01	ND	2.00E+01	1.00E-02	none
SW	CHANNEL	SWSW	TOTMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWSW	TOTMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWSW	TOTMET	Vanadium, Dissolved	ug/L	1.55E+00	ND	2.00E+01	7.75E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	ug/L	1.70E+01	DET	2.00E+01	8.50E-01	none
SW	CHANNEL	SWSW	TOTMET	Vanadium, Dissolved	ug/L	2.00E+01	DET	2.00E+01	1.00E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Vanadium, Dissolved	ug/L	3.00E+01	DET	2.00E+01	1.50E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	ug/L	3.10E+01	DET	2.00E+01	1.55E+00	poss-det
SW	CHANNEL	SWNPDES1	TOTMET	Vanadium, Dissolved	ug/L	5.00E+01	ND	2.00E+01	2.50E+00	poss-ND
SW	CHANNEL	EFFLUENT	TOTMET	Vanadium, Dissolved	ug/L	7.80E+01	DET	2.00E+01	3.90E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Vanadium, Dissolved	ug/L	8.00E+01	DET	2.00E+01	4.00E+00	poss-det
SW	CHANNEL	SWNPDES1	TOTMET	Vanadium, Dissolved	UG/L	8.50E+01	DET	2.00E+01	4.25E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Vanadium, Dissolved	ug/L	1.20E+02	DET	2.00E+01	6.00E+00	poss-det
SW	CHANNEL	SWNPDES1	TOTMET	Vanadium, Dissolved	ug/L	1.30E+02	DET	2.00E+01	6.50E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Vanadium, Dissolved	ug/L	1.31E+02	DET	2.00E+01	6.55E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	ug/L	1.40E+02	DET	2.00E+01	7.00E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Vanadium, Dissolved	ug/L	1.60E+02	DET	2.00E+01	8.00E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Vanadium, Dissolved	UG/L	1.80E+02	DET	2.00E+01	9.00E+00	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	ug/L	1.85E+02	DET	2.00E+01	9.25E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Vanadium, Dissolved	ug/L	1.90E+02	DET	2.00E+01	9.50E+00	poss-det
SW	CHANNEL	SWSW	TOTMET	Vanadium, Dissolved	ug/L	2.10E+02	DET	2.00E+01	1.05E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Vanadium, Dissolved	ug/L	2.30E+02	DET	2.00E+01	1.15E+01	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	UG/L	2.80E+02	DET	2.00E+01	1.40E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Vanadium, Dissolved	ug/L	2.80E+02	DET	2.00E+01	1.40E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Vanadium, Dissolved	ug/L	3.00E+02	DET	2.00E+01	1.50E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Vanadium, Dissolved	ug/L	3.40E+02	DET	2.00E+01	1.70E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Vanadium, Dissolved	ug/L	3.60E+02	DET	2.00E+01	1.80E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Vanadium, Dissolved	ug/L	4.10E+02	DET	2.00E+01	2.05E+01	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	ug/L	4.50E+02	DET	2.00E+01	2.25E+01	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	ug/L	5.60E+02	DET	2.00E+01	2.80E+01	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	ug/L	6.20E+02	DET	2.00E+01	3.10E+01	poss-det
SW	CHANNEL	SWSW	TOTMET	Vanadium, Dissolved	ug/L	7.70E+02	DET	2.00E+01	3.85E+01	poss-det
SW	CHANNEL	SWNPDES2	TOTMET	Vanadium, Dissolved	ug/L	9.10E+02	DET	2.00E+01	4.55E+01	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Vanadium, Dissolved	UG/L	5.10E+03	DET	2.00E+01	2.55E+02	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Zinc, Dissolved	ug/L	1.36E+01	ND	3.19E+02	4.26E-02	none
SW	CHANNEL	SWSW	TOTMET	Zinc, Dissolved	ug/L	1.37E+01	ND	3.19E+02	4.29E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Zinc, Dissolved	ug/L	1.37E+01	ND	3.19E+02	4.29E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Zinc, Dissolved	ug/L	1.37E+01	ND	3.19E+02	4.29E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Zinc, Dissolved	ug/L	1.37E+01	ND	3.19E+02	4.29E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Zinc, Dissolved	ug/L	1.37E+01	ND	3.19E+02	4.29E-02	none
SW	CHANNEL	SWSW	TOTMET	Zinc, Dissolved	ug/L	1.37E+01	ND	3.19E+02	4.29E-02	none
SW	CHANNEL	SWSW	TOTMET	Zinc, Dissolved	ug/L	2.00E+01	DET	3.19E+02	6.26E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Zinc, Dissolved	ug/L	2.10E+01	DET	3.19E+02	6.58E-02	none
SW	CHANNEL	SWSW	TOTMET	Zinc, Dissolved	ug/L	2.20E+01	DET	3.19E+02	6.89E-02	none
SW	CHANNEL	SWNPDES2	TOTMET	Zinc, Dissolved	ug/L	2.60E+01	ND	3.19E+02	8.14E-02	none
SW	CHANNEL	SWNPDES3	TOTMET	Zinc, Dissolved	ug/L	3.00E+01	DET	3.19E+02	9.40E-02	none
SW	CHANNEL	EFFLUENT	TOTMET	Zinc, Dissolved	ug/L	3.20E+01	DET	3.19E+02	1.00E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Zinc, Dissolved	ug/L	3.81E+01	DET	3.19E+02	1.19E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Zinc, Dissolved	ug/L	4.00E+01	DET	3.19E+02	1.25E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Zinc, Dissolved	UG/L	4.20E+01	DET	3.19E+02	1.32E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Zinc, Dissolved	ug/L	4.80E+01	ND	3.19E+02	1.50E-01	none
SW	CHANNEL	SWSW	TOTMET	Zinc, Dissolved	ug/L	5.00E+01	DET	3.19E+02	1.57E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	TOTMET	Zinc, Dissolved	ug/L	5.00E+01	DET	3.19E+02	1.57E-01	none
SW	CHANNEL	SWSW	TOTMET	Zinc, Dissolved	ug/L	6.20E+01	ND	3.19E+02	1.94E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Zinc, Dissolved	ug/L	7.00E+01	DET	3.19E+02	2.19E-01	none
SW	CHANNEL	SWSW	TOTMET	Zinc, Dissolved	UG/L	8.00E+01	DET	3.19E+02	2.51E-01	none
SW	CHANNEL	SWSW	TOTMET	Zinc, Dissolved	ug/L	9.00E+01	DET	3.19E+02	2.82E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Zinc, Dissolved	ug/L	9.30E+01	DET	3.19E+02	2.91E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Zinc, Dissolved	ug/L	9.61E+01	DET	3.19E+02	3.01E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Zinc, Dissolved	ug/L	1.10E+02	DET	3.19E+02	3.45E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Zinc, Dissolved	ug/L	1.10E+02	DET	3.19E+02	3.45E-01	none
SW	CHANNEL	SWSW	TOTMET	Zinc, Dissolved	ug/L	1.10E+02	DET	3.19E+02	3.45E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Zinc, Dissolved	ug/L	1.19E+02	DET	3.19E+02	3.73E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Zinc, Dissolved	ug/L	1.20E+02	DET	3.19E+02	3.76E-01	none
SW	CHANNEL	SWNPDES1	TOTMET	Zinc, Dissolved	ug/L	1.40E+02	DET	3.19E+02	4.38E-01	none
SW	CHANNEL	SWNPDES3	TOTMET	Zinc, Dissolved	ug/L	1.80E+02	DET	3.19E+02	5.64E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Zinc, Dissolved	ug/L	1.80E+02	DET	3.19E+02	5.64E-01	none
SW	CHANNEL	SWSW	TOTMET	Zinc, Dissolved	ug/L	1.87E+02	DET	3.19E+02	5.86E-01	none
SW	CHANNEL	SWSW	TOTMET	Zinc, Dissolved	ug/L	2.09E+02	DET	3.19E+02	6.55E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Zinc, Dissolved	ug/L	2.70E+02	DET	3.19E+02	8.46E-01	none
SW	CHANNEL	SWNPDES2	TOTMET	Zinc, Dissolved	UG/L	3.30E+02	DET	3.19E+02	1.03E+00	poss-det
SW	CHANNEL	SWNPDES3	TOTMET	Zinc, Dissolved	UG/L	2.60E+03	DET	3.19E+02	8.14E+00	poss-det
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/L	4.00E-02	ND	4.70E+01	8.51E-04	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/L	4.00E-02	ND	4.70E+01	8.51E-04	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/L	4.00E-02	ND	4.70E+01	8.51E-04	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/L	6.00E-01	ND	4.70E+01	1.28E-02	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/L	6.00E-01	ND	4.70E+01	1.28E-02	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/L	6.00E-01	ND	4.70E+01	1.28E-02	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/L	6.00E-01	ND	4.70E+01	1.28E-02	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/L	6.00E-01	ND	4.70E+01	1.28E-02	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/L	6.00E-01	ND	4.70E+01	1.28E-02	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/L	6.00E-01	ND	4.70E+01	1.28E-02	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/L	6.00E-01	ND	4.70E+01	1.28E-02	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/L	6.00E-01	ND	4.70E+01	1.28E-02	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/L	8.40E-01	ND	4.70E+01	1.79E-02	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/L	8.40E-01	ND	4.70E+01	1.79E-02	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/L	8.40E-01	ND	4.70E+01	1.79E-02	none
SW	CHANNEL	EFFLUENT	VOA	1,1-Dichloroethane	ug/L	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethane	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SW1	VOA	1,1-Dichloroethane	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SW2	VOA	1,1-Dichloroethane	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethane	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SW3	VOA	1,1-Dichloroethane	UG/L	1.00E+01	ND	4.70E+01	2.13E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/L	5.00E+01	ND	4.70E+01	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/L	4.00E-02	ND	2.50E+01	1.60E-03	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/L	4.00E-02	ND	2.50E+01	1.60E-03	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/L	4.00E-02	ND	2.50E+01	1.60E-03	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/L	7.70E-01	ND	2.50E+01	3.08E-02	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/L	7.70E-01	ND	2.50E+01	3.08E-02	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/L	7.70E-01	ND	2.50E+01	3.08E-02	none
SW	CHANNEL	EFFLUENT	VOA	1,1-Dichloroethene	ug/L	1.00E+00	ND	2.50E+01	4.00E-02	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/L	1.50E+00	ND	2.50E+01	6.00E-02	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/L	1.50E+00	ND	2.50E+01	6.00E-02	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/L	1.50E+00	ND	2.50E+01	6.00E-02	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/L	1.50E+00	ND	2.50E+01	6.00E-02	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/L	1.50E+00	ND	2.50E+01	6.00E-02	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/L	1.50E+00	ND	2.50E+01	6.00E-02	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/L	1.50E+00	ND	2.50E+01	6.00E-02	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/L	1.50E+00	ND	2.50E+01	6.00E-02	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/L	1.50E+00	ND	2.50E+01	6.00E-02	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	UG/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	UG/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethene	UG/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SW2	VOA	1,1-Dichloroethene	UG/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SW1	VOA	1,1-Dichloroethene	UG/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethene	UG/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	CHANNEL	SW3	VOA	1,1-Dichloroethene	UG/L	1.00E+01	ND	2.50E+01	4.00E-01	none
SW	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/L	5.00E+01	ND	2.50E+01	2.00E+00	poss-ND
SW	CHANNEL	SWSW	VOA	2-Hexanone	ug/L	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/L	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/L	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/L	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	CHANNEL	SWSW	VOA	2-Hexanone	ug/L	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/L	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/L	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	CHANNEL	SWSW	VOA	2-Hexanone	ug/L	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/L	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	CHANNEL	SWSW	VOA	2-Hexanone	ug/L	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/L	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/L	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/L	4.90E+00	ND	9.90E+01	4.95E-02	none
SW	CHANNEL	SWSW	VOA	2-Hexanone	ug/L	4.90E+00	ND	9.90E+01	4.95E-02	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/L	4.90E+00	ND	9.90E+01	4.95E-02	none
SW	CHANNEL	EFFLUENT	VOA	2-Hexanone	ug/L	5.00E+00	ND	9.90E+01	5.05E-02	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	UG/L	1.00E+01	ND	9.90E+01	1.01E-01	none
SW	CHANNEL	SWNPDES3	VOA	2-Hexanone	UG/L	1.00E+01	ND	9.90E+01	1.01E-01	none
SW	CHANNEL	SWSW	VOA	2-Hexanone	UG/L	1.00E+01	ND	9.90E+01	1.01E-01	none
SW	CHANNEL	SWNPDES1	VOA	2-Hexanone	UG/L	1.00E+01	ND	9.90E+01	1.01E-01	none
SW	CHANNEL	SWSW	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWSW	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWSW	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWSW	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWSW	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWSW	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES1	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES1	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/L	5.00E+02	ND	9.90E+01	5.05E+00	poss-ND
SW	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/L	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/L	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/L	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/L	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/L	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/L	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/L	1.10E+00	ND	1.70E+02	6.47E-03	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/L	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/L	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/L	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/L	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/L	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/L	1.78E+00	ND	1.70E+02	1.05E-02	none
SW	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/L	1.78E+00	ND	1.70E+02	1.05E-02	none
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/L	1.78E+00	ND	1.70E+02	1.05E-02	none
SW	CHANNEL	EFFLUENT	VOA	4-Methyl-2-pentanone	ug/L	5.00E+00	ND	1.70E+02	2.94E-02	none
SW	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	UG/L	1.00E+01	ND	1.70E+02	5.88E-02	none
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	UG/L	1.00E+01	ND	1.70E+02	5.88E-02	none
SW	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	UG/L	1.00E+01	ND	1.70E+02	5.88E-02	none
SW	CHANNEL	SWNPDES1	VOA	4-Methyl-2-pentanone	UG/L	1.00E+01	ND	1.70E+02	5.88E-02	none
SW	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES1	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES1	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/L	5.00E+02	ND	1.70E+02	2.94E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Benzene	ug/L	7.00E-02	ND	1.14E+02	6.14E-04	none
SW	CHANNEL	SWSW	VOA	Benzene	ug/L	7.00E-02	ND	1.14E+02	6.14E-04	none
SW	CHANNEL	SWNPDES2	VOA	Benzene	ug/L	7.00E-02	ND	1.14E+02	6.14E-04	none
SW	CHANNEL	SWNPDES3	VOA	Benzene	ug/L	8.60E-01	ND	1.14E+02	7.54E-03	none
SW	CHANNEL	SWNPDES2	VOA	Benzene	ug/L	8.60E-01	ND	1.14E+02	7.54E-03	none
SW	CHANNEL	SWSW	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWSW	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWSW	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES2	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES3	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	EFFLUENT	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES3	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES3	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWSW	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWSW	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES2	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES2	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWSW	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES3	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES3	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES3	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWSW	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES3	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES2	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES2	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES2	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	CHANNEL	SWNPDES2	VOA	Benzene	ug/L	2.00E+00	DET	1.14E+02	1.75E-02	none
SW	CHANNEL	SWNPDES2	VOA	Benzene	ug/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	CHANNEL	SWNPDES2	VOA	Benzene	UG/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	CHANNEL	SWNPDES3	VOA	Benzene	UG/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	CHANNEL	SWSW	VOA	Benzene	UG/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	CHANNEL	SWSW	VOA	Benzene	ug/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	CHANNEL	SWNPDES1	VOA	Benzene	ug/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	CHANNEL	SW2	VOA	Benzene	UG/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	CHANNEL	SW1	VOA	Benzene	UG/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	CHANNEL	SWNPDES1	VOA	Benzene	UG/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	CHANNEL	SWNPDES3	VOA	Benzene	ug/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	CHANNEL	SWNPDES2	VOA	Benzene	ug/L	6.00E+00	DET	1.14E+02	5.26E-02	none
SW	CHANNEL	SWNPDES1	VOA	Benzene	ug/L	9.30E+00	DET	1.14E+02	8.16E-02	none
SW	CHANNEL	SWSW	VOA	Benzene	ug/L	2.97E+01	DET	1.14E+02	2.61E-01	none
SW	CHANNEL	SWNPDES1	VOA	Benzene	ug/L	8.00E+01	DET	1.14E+02	7.02E-01	none
SW	CHANNEL	SW3	VOA	Benzene	UG/L	3.70E+02	DET	1.14E+02	3.25E+00	poss-det
SW	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/L	4.00E-02	ND	1.60E+01	2.50E-03	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/L	4.00E-02	ND	1.60E+01	2.50E-03	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWSW	VOA	Bromomethane	ug/L	4.00E-02	ND	1.60E+01	2.50E-03	none
SW	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/L	1.16E+00	ND	1.60E+01	7.25E-02	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/L	1.16E+00	ND	1.60E+01	7.25E-02	none
SW	CHANNEL	SWSW	VOA	Bromomethane	ug/L	1.16E+00	ND	1.60E+01	7.25E-02	none
SW	CHANNEL	SWSW	VOA	Bromomethane	ug/L	1.30E+00	ND	1.60E+01	8.12E-02	none
SW	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/L	1.30E+00	ND	1.60E+01	8.12E-02	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/L	1.30E+00	ND	1.60E+01	8.12E-02	none
SW	CHANNEL	SWSW	VOA	Bromomethane	ug/L	1.30E+00	ND	1.60E+01	8.12E-02	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/L	1.30E+00	ND	1.60E+01	8.12E-02	none
SW	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/L	1.30E+00	ND	1.60E+01	8.12E-02	none
SW	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/L	1.30E+00	ND	1.60E+01	8.12E-02	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/L	1.30E+00	ND	1.60E+01	8.12E-02	none
SW	CHANNEL	SWSW	VOA	Bromomethane	ug/L	1.30E+00	ND	1.60E+01	8.12E-02	none
SW	CHANNEL	EFFLUENT	VOA	Bromomethane	ug/L	2.00E+00	ND	1.60E+01	1.25E-01	none
SW	CHANNEL	SWSW	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWSW	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	UG/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWSW	VOA	Bromomethane	UG/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWSW	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWSW	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWSW	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWSW	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES3	VOA	Bromomethane	UG/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES1	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SW1	VOA	Bromomethane	UG/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SW2	VOA	Bromomethane	UG/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES1	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES1	VOA	Bromomethane	UG/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SW3	VOA	Bromomethane	UG/L	2.00E+01	ND	1.60E+01	1.25E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/L	1.00E+02	ND	1.60E+01	6.25E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/L	7.10E-01	ND	9.20E-01	7.72E-01	none
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/L	7.10E-01	ND	9.20E-01	7.72E-01	none
SW	CHANNEL	SWSW	VOA	Carbon disulfide	ug/L	7.10E-01	ND	9.20E-01	7.72E-01	none
SW	CHANNEL	EFFLUENT	VOA	Carbon disulfide	ug/L	1.00E+00	ND	9.20E-01	1.09E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Carbon disulfide	ug/L	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/L	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/L	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Carbon disulfide	ug/L	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/L	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/L	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/L	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/L	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Carbon disulfide	ug/L	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/L	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/L	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Carbon disulfide	ug/L	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	UG/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES1	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SW2	VOA	Carbon disulfide	UG/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SW1	VOA	Carbon disulfide	UG/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES1	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Carbon disulfide	UG/L	8.80E+00	ND	9.20E-01	9.57E+00	poss-ND
SW	CHANNEL	SW3	VOA	Carbon disulfide	UG/L	1.00E+01	ND	9.20E-01	1.09E+01	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/L	5.00E+01	ND	9.20E-01	5.43E+01	poss-ND
SW	CHANNEL	SWSW	VOA	Carbon disulfide	ug/L	5.30E+01	DET	9.20E-01	5.76E+01	poss-det
SW	CHANNEL	SWNPDES3	VOA	Carbon disulfide	UG/L	7.00E+01	DET	9.20E-01	7.61E+01	poss-det
SW	CHANNEL	SWNPDES1	VOA	Carbon disulfide	UG/L	1.20E+02	DET	9.20E-01	1.30E+02	poss-det
SW	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/L	7.00E-02	ND	9.80E+00	7.14E-03	none
SW	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/L	7.00E-02	ND	9.80E+00	7.14E-03	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/L	7.00E-02	ND	9.80E+00	7.14E-03	none
SW	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/L	4.20E-01	ND	9.80E+00	4.29E-02	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/L	4.20E-01	ND	9.80E+00	4.29E-02	none
SW	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/L	4.20E-01	ND	9.80E+00	4.29E-02	none
SW	CHANNEL	EFFLUENT	VOA	Carbon tetrachloride	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/L	1.10E+00	ND	9.80E+00	1.12E-01	none
SW	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/L	1.10E+00	ND	9.80E+00	1.12E-01	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/L	1.10E+00	ND	9.80E+00	1.12E-01	none
SW	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/L	1.10E+00	ND	9.80E+00	1.12E-01	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/L	1.10E+00	ND	9.80E+00	1.12E-01	none
SW	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/L	1.10E+00	ND	9.80E+00	1.12E-01	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/L	1.10E+00	ND	9.80E+00	1.12E-01	none
SW	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/L	1.10E+00	ND	9.80E+00	1.12E-01	none
SW	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/L	1.10E+00	ND	9.80E+00	1.12E-01	none
SW	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	UG/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	UG/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWSW	VOA	Carbon tetrachloride	UG/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES1	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SW2	VOA	Carbon tetrachloride	UG/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SW1	VOA	Carbon tetrachloride	UG/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES1	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES1	VOA	Carbon tetrachloride	UG/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SW3	VOA	Carbon tetrachloride	UG/L	1.00E+01	ND	9.80E+00	1.02E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/L	5.00E+01	ND	9.80E+00	5.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/L	4.00E-02	ND	4.70E+01	8.51E-04	none
SW	CHANNEL	SWSW	VOA	Chlorobenzene	ug/L	4.00E-02	ND	4.70E+01	8.51E-04	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/L	4.00E-02	ND	4.70E+01	8.51E-04	none
SW	CHANNEL	SWSW	VOA	Chlorobenzene	ug/L	4.31E-01	ND	4.70E+01	9.17E-03	none
SW	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/L	4.31E-01	ND	4.70E+01	9.17E-03	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/L	4.31E-01	ND	4.70E+01	9.17E-03	none
SW	CHANNEL	SWSW	VOA	Chlorobenzene	ug/L	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	CHANNEL	EFFLUENT	VOA	Chlorobenzene	ug/L	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/L	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/L	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	CHANNEL	SWSW	VOA	Chlorobenzene	ug/L	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/L	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/L	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/L	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/L	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	CHANNEL	SWSW	VOA	Chlorobenzene	ug/L	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	CHANNEL	SWSW	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chlorobenzene	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	Chlorobenzene	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SW1	VOA	Chlorobenzene	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES1	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SW2	VOA	Chlorobenzene	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES1	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES1	VOA	Chlorobenzene	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SW3	VOA	Chlorobenzene	UG/L	1.00E+01	ND	4.70E+01	2.13E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/L	5.00E+01	ND	4.70E+01	1.06E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Chloroform	ug/L	4.00E-02	ND	2.80E+01	1.43E-03	none
SW	CHANNEL	SWSW	VOA	Chloroform	ug/L	4.00E-02	ND	2.80E+01	1.43E-03	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	ug/L	4.00E-02	ND	2.80E+01	1.43E-03	none
SW	CHANNEL	EFFLUENT	VOA	Chloroform	ug/L	5.00E-01	DET	2.80E+01	1.79E-02	none
SW	CHANNEL	SWNPDES3	VOA	Chloroform	ug/L	6.60E-01	ND	2.80E+01	2.36E-02	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	ug/L	6.60E-01	ND	2.80E+01	2.36E-02	none
SW	CHANNEL	SWSW	VOA	Chloroform	ug/L	6.60E-01	ND	2.80E+01	2.36E-02	none
SW	CHANNEL	SWSW	VOA	Chloroform	ug/L	9.00E-01	ND	2.80E+01	3.21E-02	none
SW	CHANNEL	SWNPDES3	VOA	Chloroform	ug/L	9.00E-01	ND	2.80E+01	3.21E-02	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	ug/L	9.00E-01	ND	2.80E+01	3.21E-02	none
SW	CHANNEL	SWSW	VOA	Chloroform	ug/L	9.00E-01	ND	2.80E+01	3.21E-02	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	ug/L	9.00E-01	ND	2.80E+01	3.21E-02	none
SW	CHANNEL	SWNPDES3	VOA	Chloroform	ug/L	9.00E-01	ND	2.80E+01	3.21E-02	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	ug/L	9.00E-01	ND	2.80E+01	3.21E-02	none
SW	CHANNEL	SWNPDES3	VOA	Chloroform	ug/L	9.00E-01	ND	2.80E+01	3.21E-02	none
SW	CHANNEL	SWSW	VOA	Chloroform	ug/L	9.00E-01	ND	2.80E+01	3.21E-02	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWSW	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	UG/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWSW	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chloroform	UG/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWSW	VOA	Chloroform	UG/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWSW	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWSW	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWSW	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWSW	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES2	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES1	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES1	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SW2	VOA	Chloroform	UG/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SW1	VOA	Chloroform	UG/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SWNPDES1	VOA	Chloroform	UG/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	CHANNEL	SW3	VOA	Chloroform	UG/L	1.00E+01	ND	2.80E+01	3.57E-01	none
SW	CHANNEL	SWNPDES3	VOA	Chloroform	ug/L	5.00E+01	ND	2.80E+01	1.79E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/L	4.00E-02	ND	7.30E+00	5.48E-03	none
SW	CHANNEL	SWSW	VOA	Ethylbenzene	ug/L	4.00E-02	ND	7.30E+00	5.48E-03	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/L	4.00E-02	ND	7.30E+00	5.48E-03	none
SW	CHANNEL	EFFLUENT	VOA	Ethylbenzene	ug/L	5.70E-01	DET	7.30E+00	7.81E-02	none
SW	CHANNEL	SWSW	VOA	Ethylbenzene	ug/L	7.30E-01	ND	7.30E+00	1.00E-01	none
SW	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/L	7.30E-01	ND	7.30E+00	1.00E-01	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/L	7.30E-01	ND	7.30E+00	1.00E-01	none
SW	CHANNEL	SWSW	VOA	Ethylbenzene	ug/L	1.40E+00	ND	7.30E+00	1.92E-01	none
SW	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/L	1.40E+00	ND	7.30E+00	1.92E-01	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/L	1.40E+00	ND	7.30E+00	1.92E-01	none
SW	CHANNEL	SWSW	VOA	Ethylbenzene	ug/L	1.40E+00	ND	7.30E+00	1.92E-01	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/L	1.40E+00	ND	7.30E+00	1.92E-01	none
SW	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/L	1.40E+00	ND	7.30E+00	1.92E-01	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/L	1.40E+00	ND	7.30E+00	1.92E-01	none
SW	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/L	1.40E+00	ND	7.30E+00	1.92E-01	none
SW	CHANNEL	SWSW	VOA	Ethylbenzene	ug/L	1.40E+00	ND	7.30E+00	1.92E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWSW	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWSW	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES3	VOA	Ethylbenzene	UG/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWSW	VOA	Ethylbenzene	UG/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWSW	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWSW	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWSW	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWSW	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	UG/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SW2	VOA	Ethylbenzene	UG/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES1	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES1	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SW1	VOA	Ethylbenzene	UG/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES1	VOA	Ethylbenzene	UG/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	CHANNEL	SWNPDES1	VOA	Ethylbenzene	ug/L	6.10E+00	DET	7.30E+00	8.36E-01	none
SW	CHANNEL	SW3	VOA	Ethylbenzene	UG/L	1.00E+01	ND	7.30E+00	1.37E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/L	5.00E+01	ND	7.30E+00	6.85E+00	poss-ND
SW	CHANNEL	SWSW	VOA	o-Xylene	ug/L	6.80E-01	ND	1.30E+01	5.23E-02	none
SW	CHANNEL	SWNPDES3	VOA	o-Xylene	ug/L	6.80E-01	ND	1.30E+01	5.23E-02	none
SW	CHANNEL	SWNPDES2	VOA	o-Xylene	ug/L	6.80E-01	ND	1.30E+01	5.23E-02	none
SW	CHANNEL	SWSW	VOA	o-Xylene	ug/L	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	CHANNEL	SWNPDES2	VOA	o-Xylene	ug/L	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	CHANNEL	SWNPDES3	VOA	o-Xylene	ug/L	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	CHANNEL	SWSW	VOA	o-Xylene	ug/L	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	CHANNEL	SWNPDES2	VOA	o-Xylene	ug/L	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	CHANNEL	SWNPDES3	VOA	o-Xylene	ug/L	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	CHANNEL	SWNPDES3	VOA	o-Xylene	ug/L	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	CHANNEL	SWSW	VOA	o-Xylene	ug/L	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	CHANNEL	SWNPDES2	VOA	o-Xylene	ug/L	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	CHANNEL	SWNPDES2	VOA	o-Xylene	ug/L	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	CHANNEL	SWNPDES3	VOA	o-Xylene	ug/L	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	CHANNEL	SWSW	VOA	o-Xylene	ug/L	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	CHANNEL	SWNPDES3	VOA	Styrene	ug/L	3.00E-02	ND	3.20E+01	9.38E-04	none
SW	CHANNEL	SWSW	VOA	Styrene	ug/L	3.00E-02	ND	3.20E+01	9.38E-04	none
SW	CHANNEL	SWNPDES2	VOA	Styrene	ug/L	3.00E-02	ND	3.20E+01	9.38E-04	none
SW	CHANNEL	SWSW	VOA	Styrene	ug/L	2.15E-01	ND	3.20E+01	6.72E-03	none
SW	CHANNEL	SWNPDES3	VOA	Styrene	ug/L	2.15E-01	ND	3.20E+01	6.72E-03	none
SW	CHANNEL	SWNPDES2	VOA	Styrene	ug/L	2.15E-01	ND	3.20E+01	6.72E-03	none
SW	CHANNEL	SWSW	VOA	Styrene	ug/L	9.00E-01	ND	3.20E+01	2.81E-02	none
SW	CHANNEL	SWNPDES3	VOA	Styrene	ug/L	9.00E-01	ND	3.20E+01	2.81E-02	none
SW	CHANNEL	SWNPDES2	VOA	Styrene	ug/L	9.00E-01	ND	3.20E+01	2.81E-02	none
SW	CHANNEL	SWSW	VOA	Styrene	ug/L	9.00E-01	ND	3.20E+01	2.81E-02	none
SW	CHANNEL	SWNPDES2	VOA	Styrene	ug/L	9.00E-01	ND	3.20E+01	2.81E-02	none
SW	CHANNEL	SWNPDES3	VOA	Styrene	ug/L	9.00E-01	ND	3.20E+01	2.81E-02	none
SW	CHANNEL	SWNPDES2	VOA	Styrene	ug/L	9.00E-01	ND	3.20E+01	2.81E-02	none
SW	CHANNEL	SWNPDES3	VOA	Styrene	ug/L	9.00E-01	ND	3.20E+01	2.81E-02	none
SW	CHANNEL	SWSW	VOA	Styrene	ug/L	9.00E-01	ND	3.20E+01	2.81E-02	none
SW	CHANNEL	EFFLUENT	VOA	Styrene	ug/L	1.00E+00	ND	3.20E+01	3.13E-02	none
SW	CHANNEL	SWSW	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES2	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES3	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES2	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES2	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES2	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES3	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWSW	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES3	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES2	VOA	Styrene	UG/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES3	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES3	VOA	Styrene	UG/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWSW	VOA	Styrene	UG/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWSW	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWSW	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWSW	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWSW	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES3	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES2	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES1	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES1	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES2	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES1	VOA	Styrene	UG/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	CHANNEL	SWNPDES3	VOA	Styrene	ug/L	5.00E+01	ND	3.20E+01	1.56E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/L	7.00E-02	ND	4.50E+01	1.56E-03	none
SW	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/L	7.00E-02	ND	4.50E+01	1.56E-03	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/L	7.00E-02	ND	4.50E+01	1.56E-03	none
SW	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/L	5.40E-01	ND	4.50E+01	1.20E-02	none
SW	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/L	5.40E-01	ND	4.50E+01	1.20E-02	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/L	5.40E-01	ND	4.50E+01	1.20E-02	none
SW	CHANNEL	EFFLUENT	VOA	Tetrachloroethene	ug/L	1.00E+00	ND	4.50E+01	2.22E-02	none
SW	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/L	1.90E+00	ND	4.50E+01	4.22E-02	none
SW	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/L	1.90E+00	ND	4.50E+01	4.22E-02	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/L	1.90E+00	ND	4.50E+01	4.22E-02	none
SW	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/L	1.90E+00	ND	4.50E+01	4.22E-02	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/L	1.90E+00	ND	4.50E+01	4.22E-02	none
SW	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/L	1.90E+00	ND	4.50E+01	4.22E-02	none
SW	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/L	1.90E+00	ND	4.50E+01	4.22E-02	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/L	1.90E+00	ND	4.50E+01	4.22E-02	none
SW	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/L	1.90E+00	ND	4.50E+01	4.22E-02	none
SW	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	UG/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	UG/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWSW	VOA	Tetrachloroethene	UG/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SW2	VOA	Tetrachloroethene	UG/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SW1	VOA	Tetrachloroethene	UG/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES1	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES1	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES1	VOA	Tetrachloroethene	UG/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	CHANNEL	SW3	VOA	Tetrachloroethene	UG/L	1.00E+01	ND	4.50E+01	2.22E-01	none
SW	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/L	5.00E+01	ND	4.50E+01	1.11E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Toluene	ug/L	2.00E-02	ND	9.80E+00	2.04E-03	none
SW	CHANNEL	SWSW	VOA	Toluene	ug/L	2.00E-02	ND	9.80E+00	2.04E-03	none
SW	CHANNEL	SWSW	VOA	Toluene	ug/L	4.70E-01	ND	9.80E+00	4.80E-02	none
SW	CHANNEL	SWNPDES2	VOA	Toluene	ug/L	4.70E-01	ND	9.80E+00	4.80E-02	none
SW	CHANNEL	SWSW	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	CHANNEL	SWNPDES3	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	CHANNEL	SWNPDES2	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	CHANNEL	SWSW	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	CHANNEL	SWNPDES2	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	CHANNEL	SWNPDES3	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	CHANNEL	EFFLUENT	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	CHANNEL	SWNPDES2	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	CHANNEL	SWNPDES3	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	CHANNEL	SWSW	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	CHANNEL	SWNPDES3	VOA	Toluene	ug/L	1.70E+00	DET	9.80E+00	1.73E-01	none
SW	CHANNEL	SWNPDES3	VOA	Toluene	ug/L	1.90E+00	DET	9.80E+00	1.94E-01	none
SW	CHANNEL	SWNPDES1	VOA	Toluene	ug/L	2.60E+00	DET	9.80E+00	2.65E-01	none
SW	CHANNEL	SWSW	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWSW	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES3	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Toluene	UG/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES3	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES3	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES3	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES3	VOA	Toluene	UG/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWSW	VOA	Toluene	UG/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWSW	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWSW	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWSW	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES3	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SW1	VOA	Toluene	UG/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWSW	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES1	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SW2	VOA	Toluene	UG/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES2	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SWNPDES1	VOA	Toluene	UG/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	CHANNEL	SW3	VOA	Toluene	UG/L	1.00E+01	ND	9.80E+00	1.02E+00	poss-ND
SW	CHANNEL	SWNPDES1	VOA	Toluene	ug/L	1.40E+01	DET	9.80E+00	1.43E+00	poss-det
SW	CHANNEL	SWNPDES3	VOA	Toluene	ug/L	5.00E+01	ND	9.80E+00	5.10E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/L	5.00E-02	ND	4.70E+01	1.06E-03	none
SW	CHANNEL	SWSW	VOA	Trichloroethene	ug/L	5.00E-02	ND	4.70E+01	1.06E-03	none
SW	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/L	5.00E-02	ND	4.70E+01	1.06E-03	none
SW	CHANNEL	SWSW	VOA	Trichloroethene	ug/L	7.70E-01	ND	4.70E+01	1.64E-02	none
SW	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/L	7.70E-01	ND	4.70E+01	1.64E-02	none
SW	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/L	7.70E-01	ND	4.70E+01	1.64E-02	none
SW	CHANNEL	EFFLUENT	VOA	Trichloroethene	ug/L	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	CHANNEL	SWSW	VOA	Trichloroethene	ug/L	1.20E+00	ND	4.70E+01	2.55E-02	none
SW	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/L	1.20E+00	ND	4.70E+01	2.55E-02	none
SW	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/L	1.20E+00	ND	4.70E+01	2.55E-02	none
SW	CHANNEL	SWSW	VOA	Trichloroethene	ug/L	1.20E+00	ND	4.70E+01	2.55E-02	none
SW	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/L	1.20E+00	ND	4.70E+01	2.55E-02	none
SW	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/L	1.20E+00	ND	4.70E+01	2.55E-02	none
SW	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/L	1.20E+00	ND	4.70E+01	2.55E-02	none
SW	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/L	1.20E+00	ND	4.70E+01	2.55E-02	none
SW	CHANNEL	SWSW	VOA	Trichloroethene	ug/L	1.20E+00	ND	4.70E+01	2.55E-02	none
SW	CHANNEL	SWSW	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	Trichloroethene	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Trichloroethene	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	Trichloroethene	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWSW	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SW2	VOA	Trichloroethene	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES1	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SW1	VOA	Trichloroethene	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES1	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SWNPDES1	VOA	Trichloroethene	UG/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	CHANNEL	SW3	VOA	Trichloroethene	UG/L	1.00E+01	ND	4.70E+01	2.13E-01	none
SW	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/L	5.00E+01	ND	4.70E+01	1.06E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Vinyl acetate	ug/L	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/L	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/L	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	CHANNEL	SWSW	VOA	Vinyl acetate	ug/L	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/L	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/L	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/L	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/L	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	CHANNEL	SWSW	VOA	Vinyl acetate	ug/L	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/L	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/L	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	CHANNEL	SWSW	VOA	Vinyl acetate	ug/L	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	CHANNEL	EFFLUENT	VOA	Vinyl acetate	ug/L	2.00E+00	ND	1.60E+01	1.25E-01	none
SW	CHANNEL	SWSW	VOA	Vinyl acetate	ug/L	3.12E+00	ND	1.60E+01	1.95E-01	none
SW	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/L	3.12E+00	ND	1.60E+01	1.95E-01	none
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/L	3.12E+00	ND	1.60E+01	1.95E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	UG/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES3	VOA	Vinyl acetate	UG/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWSW	VOA	Vinyl acetate	UG/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWNPDES1	VOA	Vinyl acetate	UG/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	CHANNEL	SWSW	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWSW	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES1	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES1	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/L	5.00E+02	ND	1.60E+01	3.13E+01	poss-ND
SW	CHANNEL	SWSW	VOA	Xylenes (total)	ug/L	9.20E-01	ND	1.30E+01	7.08E-02	none
SW	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/L	9.20E-01	ND	1.30E+01	7.08E-02	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/L	9.20E-01	ND	1.30E+01	7.08E-02	none
SW	CHANNEL	SWSW	VOA	Xylenes (total)	ug/L	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/L	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/L	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	CHANNEL	SWSW	VOA	Xylenes (total)	ug/L	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/L	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/L	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/L	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	CHANNEL	SWSW	VOA	Xylenes (total)	ug/L	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/L	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/L	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/L	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	CHANNEL	SWSW	VOA	Xylenes (total)	ug/L	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	CHANNEL	EFFLUENT	VOA	Xylenes (total)	ug/L	3.90E+00	DET	1.30E+01	3.00E-01	none
SW	CHANNEL	SWSW	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWSW	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	UG/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES3	VOA	Xylenes (total)	UG/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWSW	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWSW	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWSW	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWSW	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SW2	VOA	Xylenes (total)	UG/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES1	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWSW	VOA	Xylenes (total)	UG/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SW1	VOA	Xylenes (total)	UG/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES1	VOA	Xylenes (total)	UG/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/L	8.20E+00	DET	1.30E+01	6.31E-01	none
SW	CHANNEL	SW3	VOA	Xylenes (total)	UG/L	1.00E+01	ND	1.30E+01	7.69E-01	none
SW	CHANNEL	SWNPDES1	VOA	Xylenes (total)	ug/L	3.10E+01	DET	1.30E+01	2.38E+00	poss-det
SW	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/L	5.00E+01	ND	1.30E+01	3.85E+00	poss-ND
SW	CHANNEL	SWNPDES1	VOA	Xylenes (total)	ug/L	6.10E+01	DET	1.30E+01	4.69E+00	poss-det
SW	DITCHES	QSWSW	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	DITCHES	QNPDES02	VOA	1,1-Dichloroethane	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	DITCHES	QNPDES02	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	DITCHES	QSWSW	VOA	1,1-Dichloroethene	ug/L	5.00E+00	ND	2.50E+01	2.00E-01	none
SW	DITCHES	QNPDES02	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	DITCHES	QSWSW	VOA	2-Hexanone	ug/L	5.00E+01	ND	9.90E+01	5.05E-01	none
SW	DITCHES	QSWSW	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none
SW	DITCHES	QNPDES02	VOA	4-Methyl-2-pentanone	ug/L	5.00E+01	ND	1.70E+02	2.94E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	DITCHES	DITCH2	VOA	Benzene	ug/L	4.00E-02	ND	1.14E+02	3.51E-04	none
SW	DITCHES	DITCH3	VOA	Benzene	ug/L	4.00E-02	ND	1.14E+02	3.51E-04	none
SW	DITCHES	DITCH1	VOA	Benzene	ug/L	4.00E-02	ND	1.14E+02	3.51E-04	none
SW	DITCHES	DITCH3	VOA	Benzene	ug/L	4.00E-02	ND	1.14E+02	3.51E-04	none
SW	DITCHES	DITCH1	VOA	Benzene	ug/L	1.42E-01	ND	1.14E+02	1.25E-03	none
SW	DITCHES	DITCH2	VOA	Benzene	ug/L	1.42E-01	ND	1.14E+02	1.25E-03	none
SW	DITCHES	DITCH1	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	DITCHES	DITCH3	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	DITCHES	DITCH3	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	DITCHES	DITCH2	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	DITCHES	DITCH1	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	DITCHES	DITCH2	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	DITCHES	DITCH3	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	DITCHES	DITCH3	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	DITCHES	DITCH2	VOA	Benzene	ug/L	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	DITCHES	DITCH2	VOA	Benzene	ug/L	1.80E+00	DET	1.14E+02	1.58E-02	none
SW	DITCHES	QNPDES02	VOA	Benzene	ug/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	DITCHES	QSWSW	VOA	Benzene	ug/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	DITCHES	DITCH3	VOA	Benzene	ug/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	DITCHES	DITCH2	VOA	Benzene	ug/L	5.00E+00	ND	1.14E+02	4.39E-02	none
SW	DITCHES	DITCH3	VOA	Benzene	ug/L	1.01E+01	DET	1.14E+02	8.86E-02	none
SW	DITCHES	DITCH2	VOA	Benzene	ug/L	3.00E+01	DET	1.14E+02	2.63E-01	none
SW	DITCHES	DITCH1	VOA	Benzene	ug/L	6.20E+01	DET	1.14E+02	5.44E-01	none
SW	DITCHES	DITCH3	VOA	Benzene	ug/L	9.00E+01	DET	1.14E+02	7.89E-01	none
SW	DITCHES	DITCH2	VOA	Benzene	ug/L	1.60E+02	DET	1.14E+02	1.40E+00	poss-det
SW	DITCHES	QSWSW	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	DITCHES	QNPDES02	VOA	Bromomethane	ug/L	1.00E+01	ND	1.60E+01	6.25E-01	none
SW	DITCHES	QNPDES02	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	DITCHES	QSWSW	VOA	Carbon disulfide	ug/L	5.00E+00	ND	9.20E-01	5.43E+00	poss-ND
SW	DITCHES	QSWSW	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	DITCHES	QNPDES02	VOA	Carbon tetrachloride	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	DITCHES	QNPDES02	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	DITCHES	QSWSW	VOA	Chlorobenzene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	DITCHES	QSWSW	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	DITCHES	QNPDES02	VOA	Chloroform	ug/L	5.00E+00	ND	2.80E+01	1.79E-01	none
SW	DITCHES	DITCH2	VOA	Ethylbenzene	ug/L	5.00E-02	ND	7.30E+00	6.85E-03	none
SW	DITCHES	DITCH1	VOA	Ethylbenzene	ug/L	5.00E-02	ND	7.30E+00	6.85E-03	none
SW	DITCHES	DITCH3	VOA	Ethylbenzene	ug/L	5.00E-02	ND	7.30E+00	6.85E-03	none
SW	DITCHES	DITCH3	VOA	Ethylbenzene	ug/L	5.00E-02	ND	7.30E+00	6.85E-03	none
SW	DITCHES	DITCH1	VOA	Ethylbenzene	ug/L	1.33E-01	ND	7.30E+00	1.82E-02	none
SW	DITCHES	DITCH2	VOA	Ethylbenzene	ug/L	1.33E-01	ND	7.30E+00	1.82E-02	none
SW	DITCHES	DITCH3	VOA	Ethylbenzene	ug/L	1.33E-01	ND	7.30E+00	1.82E-02	none
SW	DITCHES	DITCH1	VOA	Ethylbenzene	ug/L	1.00E+00	ND	7.30E+00	1.37E-01	none
SW	DITCHES	DITCH3	VOA	Ethylbenzene	ug/L	1.00E+00	ND	7.30E+00	1.37E-01	none
SW	DITCHES	DITCH2	VOA	Ethylbenzene	ug/L	1.00E+00	ND	7.30E+00	1.37E-01	none
SW	DITCHES	DITCH2	VOA	Ethylbenzene	ug/L	1.00E+00	ND	7.30E+00	1.37E-01	none
SW	DITCHES	DITCH1	VOA	Ethylbenzene	ug/L	1.00E+00	ND	7.30E+00	1.37E-01	none
SW	DITCHES	DITCH3	VOA	Ethylbenzene	ug/L	1.00E+00	ND	7.30E+00	1.37E-01	none
SW	DITCHES	DITCH3	VOA	Ethylbenzene	ug/L	1.00E+00	ND	7.30E+00	1.37E-01	none
SW	DITCHES	DITCH2	VOA	Ethylbenzene	ug/L	1.00E+00	ND	7.30E+00	1.37E-01	none
SW	DITCHES	DITCH3	VOA	Ethylbenzene	ug/L	1.60E+00	DET	7.30E+00	2.19E-01	none
SW	DITCHES	DITCH3	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	DITCHES	QSWSW	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	DITCHES	QNPDES02	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	DITCHES	DITCH1	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	DITCHES	DITCH3	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	DITCHES	DITCH2	VOA	Ethylbenzene	ug/L	5.00E+00	ND	7.30E+00	6.85E-01	none
SW	DITCHES	DITCH2	VOA	Ethylbenzene	ug/L	1.20E+01	ND	7.30E+00	1.64E+00	poss-ND
SW	DITCHES	DITCH2	VOA	Ethylbenzene	ug/L	1.20E+02	DET	7.30E+00	1.64E+01	poss-det
SW	DITCHES	DITCH2	VOA	Ethylbenzene	ug/L	2.82E+02	DET	7.30E+00	3.86E+01	poss-det
SW	DITCHES	DITCH2	VOA	o-Xylene	ug/L	9.00E-02	ND	1.30E+01	6.92E-03	none
SW	DITCHES	DITCH1	VOA	o-Xylene	ug/L	9.00E-02	ND	1.30E+01	6.92E-03	none
SW	DITCHES	DITCH3	VOA	o-Xylene	ug/L	9.00E-02	ND	1.30E+01	6.92E-03	none
SW	DITCHES	DITCH3	VOA	o-Xylene	ug/L	9.00E-02	ND	1.30E+01	6.92E-03	none
SW	DITCHES	DITCH1	VOA	o-Xylene	ug/L	3.20E-01	ND	1.30E+01	2.46E-02	none
SW	DITCHES	DITCH2	VOA	o-Xylene	ug/L	3.20E-01	ND	1.30E+01	2.46E-02	none
SW	DITCHES	DITCH3	VOA	o-Xylene	ug/L	3.20E-01	ND	1.30E+01	2.46E-02	none
SW	DITCHES	DITCH2	VOA	o-Xylene	ug/L	2.62E+02	DET	1.30E+01	2.02E+01	poss-det
SW	DITCHES	QSWSW	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	DITCHES	QNPDES02	VOA	Styrene	ug/L	5.00E+00	ND	3.20E+01	1.56E-01	none
SW	DITCHES	QNPDES02	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	DITCHES	QSWSW	VOA	Tetrachloroethene	ug/L	5.00E+00	ND	4.50E+01	1.11E-01	none
SW	DITCHES	DITCH2	VOA	Toluene	ug/L	5.00E-02	ND	9.80E+00	5.10E-03	none
SW	DITCHES	DITCH1	VOA	Toluene	ug/L	5.00E-02	ND	9.80E+00	5.10E-03	none
SW	DITCHES	DITCH3	VOA	Toluene	ug/L	5.00E-02	ND	9.80E+00	5.10E-03	none
SW	DITCHES	DITCH3	VOA	Toluene	ug/L	5.00E-02	ND	9.80E+00	5.10E-03	none
SW	DITCHES	DITCH1	VOA	Toluene	ug/L	1.44E-01	ND	9.80E+00	1.47E-02	none
SW	DITCHES	DITCH2	VOA	Toluene	ug/L	1.44E-01	ND	9.80E+00	1.47E-02	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	DITCHES	DITCH3	VOA	Toluene	ug/L	1.44E-01	ND	9.80E+00	1.47E-02	none
SW	DITCHES	DITCH1	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	DITCHES	DITCH3	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	DITCHES	DITCH1	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	DITCHES	DITCH2	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	DITCHES	DITCH2	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	DITCHES	DITCH3	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	DITCHES	DITCH3	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	DITCHES	DITCH2	VOA	Toluene	ug/L	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	DITCHES	DITCH3	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	DITCHES	QNPDES02	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	DITCHES	QSWSW	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	DITCHES	DITCH1	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	DITCHES	DITCH3	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	DITCHES	DITCH2	VOA	Toluene	ug/L	5.00E+00	ND	9.80E+00	5.10E-01	none
SW	DITCHES	DITCH2	VOA	Toluene	ug/L	1.14E+01	DET	9.80E+00	1.16E+00	poss-det
SW	DITCHES	DITCH3	VOA	Toluene	ug/L	1.70E+01	DET	9.80E+00	1.73E+00	poss-det
SW	DITCHES	DITCH2	VOA	Toluene	ug/L	5.00E+01	DET	9.80E+00	5.10E+00	poss-det
SW	DITCHES	DITCH2	VOA	Toluene	ug/L	1.30E+02	DET	9.80E+00	1.33E+01	poss-det
SW	DITCHES	QNPDES02	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	DITCHES	QSWSW	VOA	Trichloroethene	ug/L	5.00E+00	ND	4.70E+01	1.06E-01	none
SW	DITCHES	QSWSW	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	DITCHES	QNPDES02	VOA	Vinyl acetate	ug/L	5.00E+01	ND	1.60E+01	3.13E+00	poss-ND
SW	DITCHES	DITCH2	VOA	Xylenes (total)	ug/L	7.00E-02	ND	1.30E+01	5.38E-03	none
SW	DITCHES	DITCH1	VOA	Xylenes (total)	ug/L	7.00E-02	ND	1.30E+01	5.38E-03	none
SW	DITCHES	DITCH3	VOA	Xylenes (total)	ug/L	7.00E-02	ND	1.30E+01	5.38E-03	none
SW	DITCHES	DITCH3	VOA	Xylenes (total)	ug/L	1.52E-01	ND	1.30E+01	1.17E-02	none
SW	DITCHES	DITCH2	VOA	Xylenes (total)	ug/L	1.52E-01	ND	1.30E+01	1.17E-02	none
SW	DITCHES	DITCH1	VOA	Xylenes (total)	ug/L	1.52E-01	ND	1.30E+01	1.17E-02	none
SW	DITCHES	DITCH3	VOA	Xylenes (total)	ug/L	1.00E+00	ND	1.30E+01	7.69E-02	none
SW	DITCHES	DITCH2	VOA	Xylenes (total)	ug/L	1.00E+00	ND	1.30E+01	7.69E-02	none
SW	DITCHES	DITCH2	VOA	Xylenes (total)	ug/L	1.00E+00	ND	1.30E+01	7.69E-02	none
SW	DITCHES	DITCH1	VOA	Xylenes (total)	ug/L	1.00E+00	ND	1.30E+01	7.69E-02	none
SW	DITCHES	DITCH3	VOA	Xylenes (total)	ug/L	1.00E+00	ND	1.30E+01	7.69E-02	none
SW	DITCHES	DITCH3	VOA	Xylenes (total)	ug/L	1.00E+00	ND	1.30E+01	7.69E-02	none
SW	DITCHES	DITCH2	VOA	Xylenes (total)	ug/L	1.00E+00	ND	1.30E+01	7.69E-02	none
SW	DITCHES	DITCH1	VOA	Xylenes (total)	ug/L	1.00E+00	ND	1.30E+01	7.69E-02	none
SW	DITCHES	DITCH3	VOA	Xylenes (total)	ug/L	1.30E+00	DET	1.30E+01	1.00E-01	none
SW	DITCHES	DITCH3	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	DITCHES	QNPDES02	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	DITCHES	DITCH1	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	DITCHES	QSWSW	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	DITCHES	DITCH3	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	DITCHES	DITCH2	VOA	Xylenes (total)	ug/L	5.00E+00	ND	1.30E+01	3.85E-01	none
SW	DITCHES	DITCH3	VOA	Xylenes (total)	ug/L	7.10E+01	DET	1.30E+01	5.46E+00	poss-det
SW	DITCHES	DITCH2	VOA	Xylenes (total)	ug/L	1.10E+02	DET	1.30E+01	8.46E+00	poss-det
SW	DITCHES	DITCH2	VOA	Xylenes (total)	ug/L	4.40E+02	DET	1.30E+01	3.38E+01	poss-det
SW	DITCHES	DITCH2	VOA	Xylenes (total)	ug/L	1.05E+03	DET	1.30E+01	8.08E+01	poss-det
SW	HOLDING POND	WHP1	DISMET	Antimony, Dissolved	ug/l	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	HOLDING POND	WHP3	DISMET	Antimony, Dissolved	ug/l	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	HOLDING POND	WHP2	DISMET	Antimony, Dissolved	ug/l	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	HOLDING POND	WHP2	DISMET	Barium, Dissolved	ug/l	3.35E+02	DET	4.00E+00	8.38E+01	poss-det
SW	HOLDING POND	WHP3	DISMET	Barium, Dissolved	ug/l	5.18E+02	DET	4.00E+00	1.30E+02	poss-det
SW	HOLDING POND	WHP1	DISMET	Barium, Dissolved	ug/l	5.37E+02	DET	4.00E+00	1.34E+02	poss-det
SW	HOLDING POND	WHP1	DISMET	Beryllium, Dissolved	ug/l	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	HOLDING POND	WHP3	DISMET	Beryllium, Dissolved	ug/l	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	HOLDING POND	WHP2	DISMET	Beryllium, Dissolved	ug/l	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	HOLDING POND	WHP1	DISMET	Cadmium, Dissolved	ug/l	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	HOLDING POND	WHP3	DISMET	Cadmium, Dissolved	ug/l	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	HOLDING POND	WHP2	DISMET	Cadmium, Dissolved	ug/l	5.00E-01	ND	5.70E-01	8.77E-01	none
SW	HOLDING POND	WHP1	DISMET	Cobalt, Dissolved	ug/l	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	HOLDING POND	WHP3	DISMET	Cobalt, Dissolved	ug/l	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	HOLDING POND	WHP2	DISMET	Cobalt, Dissolved	ug/l	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	HOLDING POND	WHP1	DISMET	Iron, Dissolved	ug/l	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	HOLDING POND	WHP3	DISMET	Iron, Dissolved	ug/l	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	HOLDING POND	WHP2	DISMET	Iron, Dissolved	ug/l	1.85E+01	ND	1.00E+03	1.85E-02	none
SW	HOLDING POND	WHP1	DISMET	Lead, Dissolved	ug/l	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	HOLDING POND	WHP3	DISMET	Lead, Dissolved	ug/l	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	HOLDING POND	WHP2	DISMET	Lead, Dissolved	ug/l	2.20E+00	ND	8.64E+00	2.55E-01	none
SW	HOLDING POND	WHP1	DISMET	Manganese, Dissolved	ug/l	3.00E-01	ND	1.20E+02	2.50E-03	none
SW	HOLDING POND	WHP3	DISMET	Manganese, Dissolved	ug/l	3.00E-01	ND	1.20E+02	2.50E-03	none
SW	HOLDING POND	WHP2	DISMET	Manganese, Dissolved	ug/l	3.00E-01	ND	1.20E+02	2.50E-03	none
SW	HOLDING POND	WHP1	DISMET	Nickel, Dissolved	ug/l	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	HOLDING POND	WHP3	DISMET	Nickel, Dissolved	ug/l	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	HOLDING POND	WHP2	DISMET	Nickel, Dissolved	ug/l	1.20E+00	ND	1.38E+02	8.67E-03	none
SW	HOLDING POND	WHP1	DISMET	Selenium, Dissolved	ug/l	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	HOLDING POND	WHP3	DISMET	Selenium, Dissolved	ug/l	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	HOLDING POND	WHP2	DISMET	Selenium, Dissolved	ug/l	4.50E+00	ND	5.00E+00	9.00E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	HOLDING POND	WHP1	DISMET	Silver, Dissolved	ug/l	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	HOLDING POND	WHP3	DISMET	Silver, Dissolved	ug/l	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	HOLDING POND	WHP2	DISMET	Silver, Dissolved	ug/l	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	HOLDING POND	WHP1	DISMET	Vanadium, Dissolved	ug/l	1.82E+02	DET	2.00E+01	9.10E+00	poss-det
SW	HOLDING POND	WHP2	DISMET	Vanadium, Dissolved	ug/l	1.83E+02	DET	2.00E+01	9.15E+00	poss-det
SW	HOLDING POND	WHP3	DISMET	Vanadium, Dissolved	ug/l	1.86E+02	DET	2.00E+01	9.30E+00	poss-det
SW	HOLDING POND	WHP3	GENX	Alkalinity, total	ug/L	9.43E+04	DET	2.00E+04	4.72E+00	poss-det
SW	HOLDING POND	WHP2	GENX	Alkalinity, total	ug/L	9.54E+04	DET	2.00E+04	4.77E+00	poss-det
SW	HOLDING POND	WHP1	GENX	Alkalinity, total	ug/L	9.66E+04	DET	2.00E+04	4.83E+00	poss-det
SW	HOLDING POND	WHP2	GENX	Chloride	ug/L	2.40E+03	DET	2.30E+05	1.04E-02	none
SW	HOLDING POND	WHP3	GENX	Chloride	ug/L	2.50E+03	DET	2.30E+05	1.09E-02	none
SW	HOLDING POND	WHP1	GENX	Chloride	ug/L	2.26E+04	DET	2.30E+05	9.83E-02	none
SW	HOLDING POND	WHP3	PCB	Aroclor-1016	ug/l	2.47E-01	ND	1.40E-02	1.76E+01	poss-ND
SW	HOLDING POND	WHP1	PCB	Aroclor-1016	ug/l	2.47E-01	ND	1.40E-02	1.76E+01	poss-ND
SW	HOLDING POND	WHP2	PCB	Aroclor-1016	ug/l	2.47E-01	ND	1.40E-02	1.76E+01	poss-ND
SW	HOLDING POND	WHP3	PCB	Aroclor-1221	ug/l	1.84E-01	ND	2.80E-01	6.57E-01	none
SW	HOLDING POND	WHP1	PCB	Aroclor-1221	ug/l	1.84E-01	ND	2.80E-01	6.57E-01	none
SW	HOLDING POND	WHP2	PCB	Aroclor-1221	ug/l	1.84E-01	ND	2.80E-01	6.57E-01	none
SW	HOLDING POND	WHP3	PCB	Aroclor-1242	ug/l	3.72E-01	ND	5.30E-02	7.02E+00	poss-ND
SW	HOLDING POND	WHP1	PCB	Aroclor-1242	ug/l	3.72E-01	ND	5.30E-02	7.02E+00	poss-ND
SW	HOLDING POND	WHP2	PCB	Aroclor-1242	ug/l	3.72E-01	ND	5.30E-02	7.02E+00	poss-ND
SW	HOLDING POND	WHP3	PCB	Aroclor-1248	ug/l	2.77E-01	ND	8.10E-02	3.42E+00	poss-ND
SW	HOLDING POND	WHP1	PCB	Aroclor-1248	ug/l	2.77E-01	ND	8.10E-02	3.42E+00	poss-ND
SW	HOLDING POND	WHP2	PCB	Aroclor-1248	ug/l	2.77E-01	ND	8.10E-02	3.42E+00	poss-ND
SW	HOLDING POND	WHP3	PCB	Aroclor-1254	ug/l	1.11E-01	ND	3.30E-02	3.36E+00	poss-ND
SW	HOLDING POND	WHP1	PCB	Aroclor-1254	ug/l	1.11E-01	ND	3.30E-02	3.36E+00	poss-ND
SW	HOLDING POND	WHP2	PCB	Aroclor-1254	ug/l	1.11E-01	ND	3.30E-02	3.36E+00	poss-ND
SW	HOLDING POND	WHP3	SVOA	1,2,4-Trichlorobenzene	ug/l	2.10E+00	ND	3.00E+01	7.00E-02	none
SW	HOLDING POND	WHP1	SVOA	1,2,4-Trichlorobenzene	ug/l	2.10E+00	ND	3.00E+01	7.00E-02	none
SW	HOLDING POND	WHP2	SVOA	1,2,4-Trichlorobenzene	ug/l	2.10E+00	ND	3.00E+01	7.00E-02	none
SW	HOLDING POND	WHP3	SVOA	1,2-Dichlorobenzene	ug/l	2.70E+00	ND	1.40E+01	1.93E-01	none
SW	HOLDING POND	WHP1	SVOA	1,2-Dichlorobenzene	ug/l	2.70E+00	ND	1.40E+01	1.93E-01	none
SW	HOLDING POND	WHP2	SVOA	1,2-Dichlorobenzene	ug/l	2.70E+00	ND	1.40E+01	1.93E-01	none
SW	HOLDING POND	WHP3	SVOA	1,3-Dichlorobenzene	ug/l	2.20E+00	ND	3.80E+01	5.79E-02	none
SW	HOLDING POND	WHP1	SVOA	1,3-Dichlorobenzene	ug/l	2.20E+00	ND	3.80E+01	5.79E-02	none
SW	HOLDING POND	WHP2	SVOA	1,3-Dichlorobenzene	ug/l	2.20E+00	ND	3.80E+01	5.79E-02	none
SW	HOLDING POND	WHP3	SVOA	1,4-Dichlorobenzene	ug/l	2.30E+00	ND	9.40E+00	2.45E-01	none
SW	HOLDING POND	WHP1	SVOA	1,4-Dichlorobenzene	ug/l	2.30E+00	ND	9.40E+00	2.45E-01	none
SW	HOLDING POND	WHP2	SVOA	1,4-Dichlorobenzene	ug/l	2.30E+00	ND	9.40E+00	2.45E-01	none
SW	HOLDING POND	WHP3	SVOA	2,4,5-Trichlorophenol	ug/l	1.80E+00	ND	4.90E+00	3.67E-01	none
SW	HOLDING POND	WHP1	SVOA	2,4,5-Trichlorophenol	ug/l	1.80E+00	ND	4.90E+00	3.67E-01	none
SW	HOLDING POND	WHP2	SVOA	2,4,5-Trichlorophenol	ug/l	1.80E+00	ND	4.90E+00	3.67E-01	none
SW	HOLDING POND	WHP3	SVOA	2,4,6-Trichlorophenol	ug/l	6.40E+00	ND	4.90E+00	1.31E+00	poss-ND
SW	HOLDING POND	WHP1	SVOA	2,4,6-Trichlorophenol	ug/l	6.40E+00	ND	4.90E+00	1.31E+00	poss-ND
SW	HOLDING POND	WHP2	SVOA	2,4,6-Trichlorophenol	ug/l	6.40E+00	ND	4.90E+00	1.31E+00	poss-ND
SW	HOLDING POND	WHP3	SVOA	2,4-Dichlorophenol	ug/l	4.50E+00	ND	1.10E+01	4.09E-01	none
SW	HOLDING POND	WHP1	SVOA	2,4-Dichlorophenol	ug/l	4.50E+00	ND	1.10E+01	4.09E-01	none
SW	HOLDING POND	WHP2	SVOA	2,4-Dichlorophenol	ug/l	4.50E+00	ND	1.10E+01	4.09E-01	none
SW	HOLDING POND	WHP3	SVOA	2,4-Dimethylphenol	ug/l	2.90E+00	ND	1.00E+02	2.90E-02	none
SW	HOLDING POND	WHP1	SVOA	2,4-Dimethylphenol	ug/l	2.90E+00	ND	1.00E+02	2.90E-02	none
SW	HOLDING POND	WHP2	SVOA	2,4-Dimethylphenol	ug/l	2.90E+00	ND	1.00E+02	2.90E-02	none
SW	HOLDING POND	WHP3	SVOA	2,4-Dinitrophenol	ug/l	2.10E+00	ND	1.90E+01	1.11E-01	none
SW	HOLDING POND	WHP1	SVOA	2,4-Dinitrophenol	ug/l	2.10E+00	ND	1.90E+01	1.11E-01	none
SW	HOLDING POND	WHP2	SVOA	2,4-Dinitrophenol	ug/l	2.10E+00	ND	1.90E+01	1.11E-01	none
SW	HOLDING POND	WHP3	SVOA	2,4-Dinitrotoluene	ug/l	2.50E+00	ND	4.40E+01	5.68E-02	none
SW	HOLDING POND	WHP1	SVOA	2,4-Dinitrotoluene	ug/l	2.50E+00	ND	4.40E+01	5.68E-02	none
SW	HOLDING POND	WHP2	SVOA	2,4-Dinitrotoluene	ug/l	2.50E+00	ND	4.40E+01	5.68E-02	none
SW	HOLDING POND	WHP3	SVOA	2,6-Dinitrotoluene	ug/l	4.20E+00	ND	8.10E+01	5.19E-02	none
SW	HOLDING POND	WHP1	SVOA	2,6-Dinitrotoluene	ug/l	4.20E+00	ND	8.10E+01	5.19E-02	none
SW	HOLDING POND	WHP2	SVOA	2,6-Dinitrotoluene	ug/l	4.20E+00	ND	8.10E+01	5.19E-02	none
SW	HOLDING POND	WHP3	SVOA	2-Chloronaphthalene	ug/l	2.20E+00	ND	3.96E-01	5.56E+00	poss-ND
SW	HOLDING POND	WHP1	SVOA	2-Chloronaphthalene	ug/l	2.20E+00	ND	3.96E-01	5.56E+00	poss-ND
SW	HOLDING POND	WHP2	SVOA	2-Chloronaphthalene	ug/l	2.20E+00	ND	3.96E-01	5.56E+00	poss-ND
SW	HOLDING POND	WHP3	SVOA	2-Chlorophenol	ug/l	2.80E+00	ND	2.40E+01	1.17E-01	none
SW	HOLDING POND	WHP1	SVOA	2-Chlorophenol	ug/l	2.80E+00	ND	2.40E+01	1.17E-01	none
SW	HOLDING POND	WHP2	SVOA	2-Chlorophenol	ug/l	2.80E+00	ND	2.40E+01	1.17E-01	none
SW	HOLDING POND	WHP3	SVOA	2-Methylphenol	ug/l	2.60E+00	ND	1.30E+01	2.00E-01	none
SW	HOLDING POND	WHP1	SVOA	2-Methylphenol	ug/l	2.60E+00	ND	1.30E+01	2.00E-01	none
SW	HOLDING POND	WHP2	SVOA	2-Methylphenol	ug/l	2.60E+00	ND	1.30E+01	2.00E-01	none
SW	HOLDING POND	WHP3	SVOA	2-Nitrophenol	ug/l	2.20E+00	ND	8.28E+01	2.66E-02	none
SW	HOLDING POND	WHP1	SVOA	2-Nitrophenol	ug/l	2.20E+00	ND	8.28E+01	2.66E-02	none
SW	HOLDING POND	WHP2	SVOA	2-Nitrophenol	ug/l	2.20E+00	ND	8.28E+01	2.66E-02	none
SW	HOLDING POND	WHP3	SVOA	3,3'-Dichlorobenzidine	ug/l	4.30E+00	ND	4.50E+00	9.56E-01	none
SW	HOLDING POND	WHP1	SVOA	3,3'-Dichlorobenzidine	ug/l	4.30E+00	ND	4.50E+00	9.56E-01	none
SW	HOLDING POND	WHP2	SVOA	3,3'-Dichlorobenzidine	ug/l	4.30E+00	ND	4.50E+00	9.56E-01	none
SW	HOLDING POND	WHP3	SVOA	4,6-Dinitro-2-methylphenol	ug/l	5.20E+00	ND	2.30E+01	2.26E-01	none
SW	HOLDING POND	WHP1	SVOA	4,6-Dinitro-2-methylphenol	ug/l	5.20E+00	ND	2.30E+01	2.26E-01	none
SW	HOLDING POND	WHP2	SVOA	4,6-Dinitro-2-methylphenol	ug/l	5.20E+00	ND	2.30E+01	2.26E-01	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	HOLDING POND	WHP1	SVOA	4-Bromophenyl phenylether	ug/l	3.10E+00	ND	1.50E+00	2.07E+00	poss-ND
SW	HOLDING POND	WHP3	SVOA	4-Bromophenyl phenylether	ug/l	3.10E+00	ND	1.50E+00	2.07E+00	poss-ND
SW	HOLDING POND	WHP2	SVOA	4-Bromophenyl phenylether	ug/l	3.10E+00	ND	1.50E+00	2.07E+00	poss-ND
SW	HOLDING POND	WHP3	SVOA	4-Chloro-3-methylphenol	ug/l	2.20E+00	ND	3.48E+01	6.32E-02	none
SW	HOLDING POND	WHP1	SVOA	4-Chloro-3-methylphenol	ug/l	2.20E+00	ND	3.48E+01	6.32E-02	none
SW	HOLDING POND	WHP2	SVOA	4-Chloro-3-methylphenol	ug/l	2.20E+00	ND	3.48E+01	6.32E-02	none
SW	HOLDING POND	WHP3	SVOA	4-Chlorophenyl-phenylether	ug/l	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	HOLDING POND	WHP1	SVOA	4-Chlorophenyl-phenylether	ug/l	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	HOLDING POND	WHP2	SVOA	4-Chlorophenyl-phenylether	ug/l	2.00E+00	ND	1.50E+00	1.33E+00	poss-ND
SW	HOLDING POND	WHP3	SVOA	4-Nitrophenol	ug/l	2.20E+00	ND	6.00E+01	3.67E-02	none
SW	HOLDING POND	WHP1	SVOA	4-Nitrophenol	ug/l	2.20E+00	ND	6.00E+01	3.67E-02	none
SW	HOLDING POND	WHP2	SVOA	4-Nitrophenol	ug/l	2.20E+00	ND	6.00E+01	3.67E-02	none
SW	HOLDING POND	WHP3	SVOA	7,12-Dimethylbenz(a)anthracene	ug/l	6.10E+00	ND	5.48E-01	1.11E+01	poss-ND
SW	HOLDING POND	WHP1	SVOA	7,12-Dimethylbenz(a)anthracene	ug/l	6.10E+00	ND	5.48E-01	1.11E+01	poss-ND
SW	HOLDING POND	WHP2	SVOA	7,12-Dimethylbenz(a)anthracene	ug/l	6.10E+00	ND	5.48E-01	1.11E+01	poss-ND
SW	HOLDING POND	WHP3	SVOA	Acenaphthene	ug/l	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	HOLDING POND	WHP1	SVOA	Acenaphthene	ug/l	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	HOLDING POND	WHP2	SVOA	Acenaphthene	ug/l	2.20E+00	ND	2.30E+01	9.57E-02	none
SW	HOLDING POND	WHP3	SVOA	Anthracene	ug/l	2.00E+00	ND	3.50E-02	5.71E+01	poss-ND
SW	HOLDING POND	WHP1	SVOA	Anthracene	ug/l	2.00E+00	ND	3.50E-02	5.71E+01	poss-ND
SW	HOLDING POND	WHP2	SVOA	Anthracene	ug/l	2.00E+00	ND	3.50E-02	5.71E+01	poss-ND
SW	HOLDING POND	WHP3	SVOA	Benzo(a)anthracene	ug/l	1.90E+00	ND	2.50E-02	7.60E+01	poss-ND
SW	HOLDING POND	WHP1	SVOA	Benzo(a)anthracene	ug/l	1.90E+00	ND	2.50E-02	7.60E+01	poss-ND
SW	HOLDING POND	WHP2	SVOA	Benzo(a)anthracene	ug/l	1.90E+00	ND	2.50E-02	7.60E+01	poss-ND
SW	HOLDING POND	WHP3	SVOA	Benzo(a)pyrene	ug/l	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	HOLDING POND	WHP1	SVOA	Benzo(a)pyrene	ug/l	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	HOLDING POND	WHP2	SVOA	Benzo(a)pyrene	ug/l	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	HOLDING POND	WHP3	SVOA	Benzo(b)fluoranthene	ug/l	1.90E+00	ND	9.07E+00	2.09E-01	none
SW	HOLDING POND	WHP1	SVOA	Benzo(b)fluoranthene	ug/l	1.90E+00	ND	9.07E+00	2.09E-01	none
SW	HOLDING POND	WHP2	SVOA	Benzo(b)fluoranthene	ug/l	1.90E+00	ND	9.07E+00	2.09E-01	none
SW	HOLDING POND	WHP3	SVOA	Benzo(g,h,i)perylene	ug/l	1.50E+00	ND	7.64E+00	1.96E-01	none
SW	HOLDING POND	WHP1	SVOA	Benzo(g,h,i)perylene	ug/l	1.50E+00	ND	7.64E+00	1.96E-01	none
SW	HOLDING POND	WHP2	SVOA	Benzo(g,h,i)perylene	ug/l	1.50E+00	ND	7.64E+00	1.96E-01	none
SW	HOLDING POND	WHP3	SVOA	Benzo(k)fluoranthene	ug/l	2.50E+00	ND	9.07E+00	2.76E-01	none
SW	HOLDING POND	WHP1	SVOA	Benzo(k)fluoranthene	ug/l	2.50E+00	ND	9.07E+00	2.76E-01	none
SW	HOLDING POND	WHP2	SVOA	Benzo(k)fluoranthene	ug/l	2.50E+00	ND	9.07E+00	2.76E-01	none
SW	HOLDING POND	WHP3	SVOA	Benzoic acid	ug/l	1.20E+00	ND	4.20E+01	2.86E-02	none
SW	HOLDING POND	WHP1	SVOA	Benzoic acid	ug/l	1.20E+00	ND	4.20E+01	2.86E-02	none
SW	HOLDING POND	WHP2	SVOA	Benzoic acid	ug/l	1.20E+00	ND	4.20E+01	2.86E-02	none
SW	HOLDING POND	WHP3	SVOA	Benzyl alcohol	ug/l	2.50E+00	ND	8.60E+00	2.91E-01	none
SW	HOLDING POND	WHP1	SVOA	Benzyl alcohol	ug/l	2.50E+00	ND	8.60E+00	2.91E-01	none
SW	HOLDING POND	WHP2	SVOA	Benzyl alcohol	ug/l	2.50E+00	ND	8.60E+00	2.91E-01	none
SW	HOLDING POND	WHP1	SVOA	Bis(2-ethylhexyl)phthalate	ug/l	9.80E+00	ND	3.00E-01	3.27E+01	poss-ND
SW	HOLDING POND	WHP2	SVOA	Bis(2-ethylhexyl)phthalate	ug/l	9.80E+00	ND	3.00E-01	3.27E+01	poss-ND
SW	HOLDING POND	WHP3	SVOA	Bis(2-ethylhexyl)phthalate	ug/l	1.80E+01	DET	3.00E-01	6.00E+01	poss-det
SW	HOLDING POND	WHP3	SVOA	Butylbenzyl phthalate	ug/l	1.70E+00	ND	1.90E+01	8.95E-02	none
SW	HOLDING POND	WHP1	SVOA	Butylbenzyl phthalate	ug/l	1.70E+00	ND	1.90E+01	8.95E-02	none
SW	HOLDING POND	WHP2	SVOA	Butylbenzyl phthalate	ug/l	1.70E+00	ND	1.90E+01	8.95E-02	none
SW	HOLDING POND	WHP3	SVOA	Chrysene	ug/l	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	HOLDING POND	WHP1	SVOA	Chrysene	ug/l	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	HOLDING POND	WHP2	SVOA	Chrysene	ug/l	1.90E+00	ND	1.40E-02	1.36E+02	poss-ND
SW	HOLDING POND	WHP3	SVOA	Dibenz(a,h)anthracene	ug/l	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	HOLDING POND	WHP1	SVOA	Dibenz(a,h)anthracene	ug/l	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	HOLDING POND	WHP2	SVOA	Dibenz(a,h)anthracene	ug/l	1.70E+00	ND	1.40E-02	1.21E+02	poss-ND
SW	HOLDING POND	WHP3	SVOA	Dibenzofuran	ug/l	1.40E+00	ND	3.70E+00	3.78E-01	none
SW	HOLDING POND	WHP1	SVOA	Dibenzofuran	ug/l	1.40E+00	ND	3.70E+00	3.78E-01	none
SW	HOLDING POND	WHP2	SVOA	Dibenzofuran	ug/l	1.40E+00	ND	3.70E+00	3.78E-01	none
SW	HOLDING POND	WHP3	SVOA	Dimethylphthalate	ug/l	2.20E+00	ND	3.00E+01	7.33E-02	none
SW	HOLDING POND	WHP1	SVOA	Dimethylphthalate	ug/l	2.20E+00	ND	3.00E+01	7.33E-02	none
SW	HOLDING POND	WHP2	SVOA	Dimethylphthalate	ug/l	2.20E+00	ND	3.00E+01	7.33E-02	none
SW	HOLDING POND	WHP3	SVOA	Di-n-butylphthalate	ug/l	2.00E+00	ND	3.50E+01	5.71E-02	none
SW	HOLDING POND	WHP1	SVOA	Di-n-butylphthalate	ug/l	2.00E+00	ND	3.50E+01	5.71E-02	none
SW	HOLDING POND	WHP2	SVOA	Di-n-butylphthalate	ug/l	2.00E+00	ND	3.50E+01	5.71E-02	none
SW	HOLDING POND	WHP3	SVOA	Di-n-octyl phthalate	ug/l	2.00E+00	ND	3.00E+01	6.67E-02	none
SW	HOLDING POND	WHP1	SVOA	Di-n-octyl phthalate	ug/l	2.00E+00	ND	3.00E+01	6.67E-02	none
SW	HOLDING POND	WHP2	SVOA	Di-n-octyl phthalate	ug/l	2.00E+00	ND	3.00E+01	6.67E-02	none
SW	HOLDING POND	WHP3	SVOA	Fluoranthene	ug/l	2.30E+00	ND	6.16E+00	3.73E-01	none
SW	HOLDING POND	WHP1	SVOA	Fluoranthene	ug/l	2.30E+00	ND	6.16E+00	3.73E-01	none
SW	HOLDING POND	WHP2	SVOA	Fluoranthene	ug/l	2.30E+00	ND	6.16E+00	3.73E-01	none
SW	HOLDING POND	WHP3	SVOA	Fluorene	ug/l	2.30E+00	ND	3.90E+00	5.90E-01	none
SW	HOLDING POND	WHP1	SVOA	Fluorene	ug/l	2.30E+00	ND	3.90E+00	5.90E-01	none
SW	HOLDING POND	WHP2	SVOA	Fluorene	ug/l	2.30E+00	ND	3.90E+00	5.90E-01	none
SW	HOLDING POND	WHP3	SVOA	Hexachlorobenzene	ug/l	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	HOLDING POND	WHP1	SVOA	Hexachlorobenzene	ug/l	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	HOLDING POND	WHP2	SVOA	Hexachlorobenzene	ug/l	1.70E+00	ND	4.00E-04	4.25E+03	poss-ND
SW	HOLDING POND	WHP3	SVOA	Hexachlorobutadiene	ug/l	2.40E+00	ND	5.30E-02	4.53E+01	poss-ND
SW	HOLDING POND	WHP1	SVOA	Hexachlorobutadiene	ug/l	2.40E+00	ND	5.30E-02	4.53E+01	poss-ND
SW	HOLDING POND	WHP2	SVOA	Hexachlorobutadiene	ug/l	2.40E+00	ND	5.30E-02	4.53E+01	poss-ND

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	HOLDING POND	WHP1	SVOA	Hexachlorocyclopentadiene	ug/l	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	HOLDING POND	WHP3	SVOA	Hexachlorocyclopentadiene	ug/l	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	HOLDING POND	WHP2	SVOA	Hexachlorocyclopentadiene	ug/l	5.00E-01	ND	7.70E+01	6.49E-03	none
SW	HOLDING POND	WHP3	SVOA	Hexachloroethane	ug/l	1.60E+00	ND	8.00E+00	2.00E-01	none
SW	HOLDING POND	WHP1	SVOA	Hexachloroethane	ug/l	1.60E+00	ND	8.00E+00	2.00E-01	none
SW	HOLDING POND	WHP2	SVOA	Hexachloroethane	ug/l	1.60E+00	ND	8.00E+00	2.00E-01	none
SW	HOLDING POND	WHP3	SVOA	Indeno(1,2,3-CD)pyrene	ug/l	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	HOLDING POND	WHP1	SVOA	Indeno(1,2,3-CD)pyrene	ug/l	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	HOLDING POND	WHP2	SVOA	Indeno(1,2,3-CD)pyrene	ug/l	1.60E+00	ND	4.31E+00	3.71E-01	none
SW	HOLDING POND	WHP1	SVOA	Naphthalene	ug/l	2.40E+00	ND	1.20E+01	2.00E-01	none
SW	HOLDING POND	WHP3	SVOA	Naphthalene	ug/l	2.40E+00	ND	1.20E+01	2.00E-01	none
SW	HOLDING POND	WHP2	SVOA	Naphthalene	ug/l	2.40E+00	ND	1.20E+01	2.00E-01	none
SW	HOLDING POND	WHP1	SVOA	Pentachlorophenol	ug/l	1.70E+00	ND	4.00E+00	4.25E-01	none
SW	HOLDING POND	WHP3	SVOA	Pentachlorophenol	ug/l	1.70E+00	ND	4.00E+00	4.25E-01	none
SW	HOLDING POND	WHP2	SVOA	Pentachlorophenol	ug/l	1.70E+00	ND	4.00E+00	4.25E-01	none
SW	HOLDING POND	WHP1	SVOA	Phenanthrene	ug/l	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	HOLDING POND	WHP3	SVOA	Phenanthrene	ug/l	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	HOLDING POND	WHP2	SVOA	Phenanthrene	ug/l	2.00E+00	ND	6.30E+00	3.17E-01	none
SW	HOLDING POND	WHP1	SVOA	Pyrene	ug/l	1.90E+00	ND	3.00E-01	6.33E+00	poss-ND
SW	HOLDING POND	WHP3	SVOA	Pyrene	ug/l	1.90E+00	ND	3.00E-01	6.33E+00	poss-ND
SW	HOLDING POND	WHP2	SVOA	Pyrene	ug/l	1.90E+00	ND	3.00E-01	6.33E+00	poss-ND
SW	HOLDING POND	WHP3	TOTMET	Antimony, Dissolved	ug/l	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	HOLDING POND	WHP1	TOTMET	Antimony, Dissolved	ug/l	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	HOLDING POND	WHP2	TOTMET	Antimony, Dissolved	ug/l	3.40E+00	ND	3.00E+01	1.13E-01	none
SW	HOLDING POND	WHP3	TOTMET	Barium, Dissolved	ug/l	2.00E-01	ND	4.00E+00	5.00E-02	none
SW	HOLDING POND	WHP1	TOTMET	Barium, Dissolved	ug/l	2.00E-01	ND	4.00E+00	5.00E-02	none
SW	HOLDING POND	WHP2	TOTMET	Barium, Dissolved	ug/l	2.00E-01	ND	4.00E+00	5.00E-02	none
SW	HOLDING POND	WHP3	TOTMET	Beryllium, Dissolved	ug/l	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	HOLDING POND	WHP1	TOTMET	Beryllium, Dissolved	ug/l	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	HOLDING POND	WHP2	TOTMET	Beryllium, Dissolved	ug/l	4.70E+00	ND	6.60E-01	7.12E+00	poss-ND
SW	HOLDING POND	WHP2	TOTMET	Cadmium, Dissolved	ug/l	5.00E-01	ND	6.40E-01	7.81E-01	none
SW	HOLDING POND	WHP3	TOTMET	Cadmium, Dissolved	ug/l	5.00E-01	ND	6.40E-01	7.81E-01	none
SW	HOLDING POND	WHP1	TOTMET	Cadmium, Dissolved	ug/l	5.00E-01	ND	6.40E-01	7.81E-01	none
SW	HOLDING POND	WHP3	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	HOLDING POND	WHP1	TOTMET	Chromium (VI), Dissolved	ug/L	1.00E+01	ND	1.14E+01	8.75E-01	none
SW	HOLDING POND	WHP2	TOTMET	Chromium (VI), Dissolved	ug/L	1.10E+01	DET	1.14E+01	9.62E-01	none
SW	HOLDING POND	WHP1	TOTMET	Chromium, Dissolved	ug/l	1.00E+00	ND	2.22E+02	4.50E-03	none
SW	HOLDING POND	WHP2	TOTMET	Chromium, Dissolved	ug/l	3.70E+01	DET	2.22E+02	1.66E-01	none
SW	HOLDING POND	WHP3	TOTMET	Chromium, Dissolved	ug/l	6.51E+01	DET	2.22E+02	2.93E-01	none
SW	HOLDING POND	WHP3	TOTMET	Cobalt, Dissolved	ug/l	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	HOLDING POND	WHP1	TOTMET	Cobalt, Dissolved	ug/l	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	HOLDING POND	WHP2	TOTMET	Cobalt, Dissolved	ug/l	1.80E+00	ND	2.30E+01	7.83E-02	none
SW	HOLDING POND	WHP3	TOTMET	Copper, Dissolved	ug/l	2.30E+00	ND	2.51E+01	9.17E-02	none
SW	HOLDING POND	WHP1	TOTMET	Copper, Dissolved	ug/l	2.30E+00	ND	2.51E+01	9.17E-02	none
SW	HOLDING POND	WHP2	TOTMET	Copper, Dissolved	ug/l	2.30E+00	ND	2.51E+01	9.17E-02	none
SW	HOLDING POND	WHP1	TOTMET	Iron, Dissolved	ug/l	3.64E+02	DET	1.00E+03	3.64E-01	none
SW	HOLDING POND	WHP2	TOTMET	Iron, Dissolved	ug/l	1.60E+03	DET	1.00E+03	1.60E+00	poss-det
SW	HOLDING POND	WHP3	TOTMET	Iron, Dissolved	ug/l	3.00E+03	DET	1.00E+03	3.00E+00	poss-det
SW	HOLDING POND	WHP1	TOTMET	Lead, Dissolved	ug/l	2.20E+00	ND	1.39E+01	1.59E-01	none
SW	HOLDING POND	WHP2	TOTMET	Lead, Dissolved	ug/l	2.20E+00	ND	1.39E+01	1.59E-01	none
SW	HOLDING POND	WHP3	TOTMET	Lead, Dissolved	ug/l	3.50E+00	DET	1.39E+01	2.52E-01	none
SW	HOLDING POND	WHP1	TOTMET	Manganese, Dissolved	ug/l	9.36E+01	DET	1.20E+02	7.80E-01	none
SW	HOLDING POND	WHP2	TOTMET	Manganese, Dissolved	ug/l	1.30E+02	DET	1.20E+02	1.08E+00	poss-det
SW	HOLDING POND	WHP3	TOTMET	Manganese, Dissolved	ug/l	2.41E+02	DET	1.20E+02	2.01E+00	poss-det
SW	HOLDING POND	WHP1	TOTMET	Mercury, Dissolved	ug/l	5.80E-02	ND	9.10E-01	6.37E-02	none
SW	HOLDING POND	WHP3	TOTMET	Mercury, Dissolved	ug/l	5.80E-02	ND	9.10E-01	6.37E-02	none
SW	HOLDING POND	WHP2	TOTMET	Mercury, Dissolved	ug/l	5.80E-02	ND	9.10E-01	6.37E-02	none
SW	HOLDING POND	WHP1	TOTMET	Nickel, Dissolved	ug/l	4.08E+01	DET	1.39E+02	2.94E-01	none
SW	HOLDING POND	WHP2	TOTMET	Nickel, Dissolved	ug/l	5.76E+01	DET	1.39E+02	4.15E-01	none
SW	HOLDING POND	WHP3	TOTMET	Nickel, Dissolved	ug/l	9.85E+01	DET	1.39E+02	7.10E-01	none
SW	HOLDING POND	WHP3	TOTMET	Selenium, Dissolved	ug/l	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	HOLDING POND	WHP1	TOTMET	Selenium, Dissolved	ug/l	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	HOLDING POND	WHP2	TOTMET	Selenium, Dissolved	ug/l	4.50E+00	ND	5.00E+00	9.00E-01	none
SW	HOLDING POND	WHP1	TOTMET	Silver, Dissolved	ug/l	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	HOLDING POND	WHP3	TOTMET	Silver, Dissolved	ug/l	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	HOLDING POND	WHP2	TOTMET	Silver, Dissolved	ug/l	7.00E-01	ND	3.60E-01	1.94E+00	poss-ND
SW	HOLDING POND	WHP1	TOTMET	Vanadium, Dissolved	ug/l	2.18E+02	DET	2.00E+01	1.09E+01	poss-det
SW	HOLDING POND	WHP2	TOTMET	Vanadium, Dissolved	ug/l	2.64E+02	DET	2.00E+01	1.32E+01	poss-det
SW	HOLDING POND	WHP3	TOTMET	Vanadium, Dissolved	ug/l	2.78E+02	DET	2.00E+01	1.39E+01	poss-det
SW	HOLDING POND	WHP1	TOTMET	Zinc, Dissolved	ug/l	5.80E+01	DET	3.19E+02	1.82E-01	none
SW	HOLDING POND	WHP2	TOTMET	Zinc, Dissolved	ug/l	1.49E+02	DET	3.19E+02	4.67E-01	none
SW	HOLDING POND	WHP3	TOTMET	Zinc, Dissolved	ug/l	1.97E+02	DET	3.19E+02	6.17E-01	none
SW	HOLDING POND	WHP3	VOA	1,1-Dichloroethane	ug/l	6.00E-01	ND	4.70E+01	1.28E-02	none
SW	HOLDING POND	WHP1	VOA	1,1-Dichloroethane	ug/l	6.00E-01	ND	4.70E+01	1.28E-02	none
SW	HOLDING POND	WHP2	VOA	1,1-Dichloroethane	ug/l	6.00E-01	ND	4.70E+01	1.28E-02	none
SW	HOLDING POND	WHP3	VOA	1,1-Dichloroethene	ug/l	1.50E+00	ND	2.50E+01	6.00E-02	none
SW	HOLDING POND	WHP1	VOA	1,1-Dichloroethene	ug/l	1.50E+00	ND	2.50E+01	6.00E-02	none
SW	HOLDING POND	WHP2	VOA	1,1-Dichloroethene	ug/l	1.50E+00	ND	2.50E+01	6.00E-02	none

Table 4-16
Detailed Point-by-Point Analysis of Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLE	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	HQ_CHRONIC	RISK
SW	HOLDING POND	WHP3	VOA	2-Hexanone	ug/l	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	HOLDING POND	WHP1	VOA	2-Hexanone	ug/l	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	HOLDING POND	WHP2	VOA	2-Hexanone	ug/l	7.00E-01	ND	9.90E+01	7.07E-03	none
SW	HOLDING POND	WHP3	VOA	4-Methyl-2-pentanone	ug/l	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	HOLDING POND	WHP1	VOA	4-Methyl-2-pentanone	ug/l	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	HOLDING POND	WHP2	VOA	4-Methyl-2-pentanone	ug/l	1.10E+00	ND	1.70E+02	6.47E-03	none
SW	HOLDING POND	WHP3	VOA	Benzene	ug/l	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	HOLDING POND	WHP1	VOA	Benzene	ug/l	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	HOLDING POND	WHP2	VOA	Benzene	ug/l	1.00E+00	ND	1.14E+02	8.77E-03	none
SW	HOLDING POND	WHP3	VOA	Bromomethane	ug/l	1.30E+00	ND	1.60E+01	8.12E-02	none
SW	HOLDING POND	WHP1	VOA	Bromomethane	ug/l	1.30E+00	ND	1.60E+01	8.12E-02	none
SW	HOLDING POND	WHP2	VOA	Bromomethane	ug/l	1.30E+00	ND	1.60E+01	8.12E-02	none
SW	HOLDING POND	WHP2	VOA	Carbon disulfide	ug/l	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	HOLDING POND	WHP3	VOA	Carbon disulfide	ug/l	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	HOLDING POND	WHP1	VOA	Carbon disulfide	ug/l	1.30E+00	ND	9.20E-01	1.41E+00	poss-ND
SW	HOLDING POND	WHP2	VOA	Carbon tetrachloride	ug/l	1.10E+00	ND	9.80E+00	1.12E-01	none
SW	HOLDING POND	WHP3	VOA	Carbon tetrachloride	ug/l	1.10E+00	ND	9.80E+00	1.12E-01	none
SW	HOLDING POND	WHP1	VOA	Carbon tetrachloride	ug/l	1.10E+00	ND	9.80E+00	1.12E-01	none
SW	HOLDING POND	WHP3	VOA	Chlorobenzene	ug/l	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	HOLDING POND	WHP1	VOA	Chlorobenzene	ug/l	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	HOLDING POND	WHP2	VOA	Chlorobenzene	ug/l	1.00E+00	ND	4.70E+01	2.13E-02	none
SW	HOLDING POND	WHP2	VOA	Chloroform	ug/l	9.00E-01	ND	2.80E+01	3.21E-02	none
SW	HOLDING POND	WHP3	VOA	Chloroform	ug/l	9.00E-01	ND	2.80E+01	3.21E-02	none
SW	HOLDING POND	WHP1	VOA	Chloroform	ug/l	9.00E-01	ND	2.80E+01	3.21E-02	none
SW	HOLDING POND	WHP3	VOA	Ethylbenzene	ug/l	1.40E+00	ND	7.30E+00	1.92E-01	none
SW	HOLDING POND	WHP1	VOA	Ethylbenzene	ug/l	1.40E+00	ND	7.30E+00	1.92E-01	none
SW	HOLDING POND	WHP2	VOA	Ethylbenzene	ug/l	1.40E+00	ND	7.30E+00	1.92E-01	none
SW	HOLDING POND	WHP1	VOA	o-Xylene	ug/l	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	HOLDING POND	WHP3	VOA	o-Xylene	ug/l	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	HOLDING POND	WHP2	VOA	o-Xylene	ug/l	1.10E+00	ND	1.30E+01	8.46E-02	none
SW	HOLDING POND	WHP1	VOA	Styrene	ug/l	9.00E-01	ND	3.20E+01	2.81E-02	none
SW	HOLDING POND	WHP3	VOA	Styrene	ug/l	9.00E-01	ND	3.20E+01	2.81E-02	none
SW	HOLDING POND	WHP2	VOA	Styrene	ug/l	9.00E-01	ND	3.20E+01	2.81E-02	none
SW	HOLDING POND	WHP2	VOA	Tetrachloroethene	ug/l	1.90E+00	ND	4.50E+01	4.22E-02	none
SW	HOLDING POND	WHP1	VOA	Tetrachloroethene	ug/l	1.90E+00	ND	4.50E+01	4.22E-02	none
SW	HOLDING POND	WHP3	VOA	Tetrachloroethene	ug/l	1.90E+00	ND	4.50E+01	4.22E-02	none
SW	HOLDING POND	WHP2	VOA	Toluene	ug/l	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	HOLDING POND	WHP1	VOA	Toluene	ug/l	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	HOLDING POND	WHP3	VOA	Toluene	ug/l	1.00E+00	ND	9.80E+00	1.02E-01	none
SW	HOLDING POND	WHP2	VOA	Trichloroethene	ug/l	1.20E+00	ND	4.70E+01	2.55E-02	none
SW	HOLDING POND	WHP1	VOA	Trichloroethene	ug/l	1.20E+00	ND	4.70E+01	2.55E-02	none
SW	HOLDING POND	WHP3	VOA	Trichloroethene	ug/l	1.20E+00	ND	4.70E+01	2.55E-02	none
SW	HOLDING POND	WHP2	VOA	Vinyl acetate	ug/l	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	HOLDING POND	WHP1	VOA	Vinyl acetate	ug/l	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	HOLDING POND	WHP3	VOA	Vinyl acetate	ug/l	1.40E+00	ND	1.60E+01	8.75E-02	none
SW	HOLDING POND	WHP2	VOA	Xylenes (total)	ug/l	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	HOLDING POND	WHP1	VOA	Xylenes (total)	ug/l	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	HOLDING POND	WHP3	VOA	Xylenes (total)	ug/l	2.20E+00	ND	1.30E+01	1.69E-01	none
SW	HOLDING POND	WHP-3	GENX	AMMONIA as NH3	ug/L	25	ND	2.56E+00	9.77E+00	poss-ND
SW	HOLDING POND	WHP-1	GENX	AMMONIA as NH3	ug/L	25	ND	2.56E+00	9.77E+00	poss-ND
SW	HOLDING POND	WHP-2	GENX	AMMONIA as NH3	ug/L	25	ND	2.56E+00	9.77E+00	poss-ND
SW	HOLDING POND	WHP-1	GENX	Nitrate as N	ug/L	25	ND	3.33E+02	7.51E-02	none
SW	HOLDING POND	WHP-2	GENX	Nitrate as N	ug/L	25	ND	3.33E+02	7.51E-02	none
SW	HOLDING POND	WHP-3	GENX	Nitrate as N	ug/L	280	DET	3.33E+02	8.41E-01	none
SW	HOLDING POND	WHP-1	GENX	Nitrite as N	ug/L	25	ND	2.25E+01	1.11E+00	poss-ND
SW	HOLDING POND	WHP-3	GENX	Nitrite as N	ug/L	25	ND	2.25E+01	1.11E+00	poss-ND
SW	HOLDING POND	WHP-2	GENX	Nitrite as N	ug/L	25	ND	2.25E+01	1.11E+00	poss-ND
SW	HOLDING POND	WHP-1	GENX	Nitrogen-TKN	ug/L	1000	DET	5.04E+02	1.99E+00	poss-det
SW	HOLDING POND	WHP-2	GENX	Nitrogen-TKN	ug/L	1200	DET	5.04E+02	2.38E+00	poss-det
SW	HOLDING POND	WHP-3	GENX	Nitrogen-TKN	ug/L	2400	DET	5.04E+02	4.76E+00	poss-det
SW	HOLDING POND	WHP-1	GENX	PHOSPHORUS,TOTAL	ug/L	400	DET	1.61E+02	2.48E+00	poss-det
SW	HOLDING POND	WHP-2	GENX	PHOSPHORUS,TOTAL	ug/L	430	DET	1.61E+02	2.67E+00	poss-det
SW	HOLDING POND	WHP-3	GENX	PHOSPHORUS,TOTAL	ug/L	470	DET	1.61E+02	2.92E+00	poss-det
SW	HOLDING POND	WHP-1	GENX	Total Suspended Solids	ug/L	7000	DET	3.60E+04	1.94E-01	none
SW	HOLDING POND	WHP-3	GENX	Total Suspended Solids	ug/L	19000	DET	3.60E+04	5.28E-01	none
SW	HOLDING POND	WHP-2	GENX	Total Suspended Solids	ug/L	33000	DET	3.60E+04	9.17E-01	none

Notes:
Poss = Exposure concentration exceeds low-SEV but not high-SEV
Prob = Exposure concentration exceeds high-SEV
DET = Detected
ND = Not Detected
None = Exposure concentration does not exceed low-SEV

Table 4-17

Refined Summary for Freshwater Aquatic Life Exposed to Site Surface Water

Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analyte	Potential for Risk to Receptors from Surfacewater: None	Non-Detects Possible	Detected Possible	Total	Max-HQ	% SEV Exceedances
AES							
	Total Metals (compard to dissolved criteria)						
	Antimony	1			1		0
	Barium			1	1	48	100
	Beryllium		1		1	7.6	100
	Cadmium		1		1	7.8	100
	Cobalt	1			1		0
	Iron	1			1		0
	Lead	1			1		0
	Manganese			1	1	5.6	100
	Nickel	1			1		0
	Selenium		1		1	1.0	100
	Vanadium	1			1		0
	PAH-SVOCs						
	Acenaphthene	1			1		0
	Anthracene		1		1	286	100
	Benzo(a)anthracene		1		1	400	100
	Benzo(a)pyrene		1		1	714	100
	Benzo(b)fluoranthene		1		1	1.1	100
	Benzo(g,h,i)perylene		1		1	1.3	100
	Benzo(k)fluoranthene		1		1	1.1	100
	Chrysene		1		1	714	100
	Dibenz(a,h)anthracene		1		1	714	100
	Fluoranthene		1		1	1.6	100
	Fluorene		1		1	2.6	100
	Indeno(1,2,3-CD)pyrene		1		1	2.3	100
	Naphthalene	1			1		0
	Phenanthrene		1		1	1.6	100
	Pyrene		1		1	33	100
	SVOCs						
	1,2,4-Trichlorobenzene	1			1		0
	1,2-Dichlorobenzene	1			1		0

Table 4-17

Refined Summary for Freshwater Aquatic Life Exposed to Site Surface Water

Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analyte	Potential for Risk to Receptors from Surfacewater: None	Non-Detects Possible	Detected Possible	Total	Max-HQ	% SEV Exceedances
	1,3-Dichlorobenzene	1			1		0
	1,4-Dichlorobenzene		1		1	1.1	100
	2,4,5-Trichlorophenol		1		1	2.0	100
	2,4,6-Trichlorophenol		1		1	2.0	100
	2,4-Dichlorophenol	1			1		0
	2,4-Dimethylphenol	1			1		0
	2,4-Dinitrophenol		1		1	2.6	100
	2,4-Dinitrotoluene	1			1		0
	2,6-Dinitrotoluene	1			1		0
	2-Chloronaphthalene		1		1	25	100
	2-Chlorophenol	1			1		0
	2-Methylphenol	1			1		0
	2-Nitrophenol	1			1		0
	3,3'-Dichlorobenzidine		1		1	11.1	100
	4,6-Dinitro-2-methylphenol		1		1	2.2	100
	4-Bromophenyl phenylether		1		1	6.7	100
	4-Chloro-3-methylphenol	1			1		0
	4-Chlorophenyl-phenylether		1		1	6.7	100
	4-Nitrophenol	1			1		0
	Benzoic acid		1		1	1.2	100
	Benzyl alcohol		1		1	1.2	100
	Bis(2-ethylhexyl)phthalate		1		1	33	100
	Butylbenzyl phthalate	1			1		0
	Dibenzofuran		1		1	2.7	100
	Dimethylphthalate	1			1		0
	Di-n-butylphthalate	1			1		0
	Di-n-octyl phthalate	1			1		0
	Hexachlorobenzene		1		1	25000	100
	Hexachlorobutadiene		1		1	189	100
	Hexachlorocyclopentadiene	1			1		0
	Hexachloroethane		1		1	1.3	100
	Pentachlorophenol		1		1	13	100

Table 4-17
Refined Summary for Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analyte	Potential for Risk to Receptors from Surfacewater: None	Non-Detects Possible	Detected Possible	Total	Max-HQ	% SEV Exceedances
	VOCs						
	1,1-Dichloroethane	1			1		0
	1,1-Dichloroethene	1			1		0
	2-Hexanone	1			1		0
	4-Methyl-2-pentanone	1			1		0
	Benzene	1			1		0
	Bromomethane	1			1		0
	Carbon disulfide		1		1	4.3	100
	Carbon tetrachloride	1			1		0
	Chlorobenzene	1			1		0
	Chloroform	1			1		0
	Ethylbenzene	1			1		0
	Styrene	1			1		0
	Tetrachloroethene	1			1		0
	Toluene	1			1		0
	Trichloroethene	1			1		0
	Vinyl acetate	1			1		0
	Xylenes (total)	1			1		0
	General Chemistry Parameters						
	Alkalinity			1	1	24.3	100
	Chloride			1	1	5.6	100
	Nitrate as N	1			1		0
	Nitrite as N		1		1	4.4	100
	Nitrogen-TKN			1	1	2.2	100
HOLDING POND							
	Dissolved Metals						
	Antimony	3			3		0
	Barium			3	3	134	100
	Beryllium		3		3	7.1	100
	Cadmium	3			3		0
	Cobalt	3			3		0
	Iron	3			3		0

Table 4-17
Refined Summary for Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analyte	Potential for Risk to Receptors from Surfacewater: None	Non-Detects Possible	Detected Possible	Total	Max-HQ	% SEV Exceedances
	Lead	3			3		0
	Manganese	3			3		0
	Nickel	3			3		0
	Selenium	3			3		0
	Silver		3		3	1.9	100
	Vanadium			3	3	9.3	100
	PCBs						
	Aroclor-1016		3		3	18	100
	Aroclor-1221	3			3		0
	Aroclor-1242		3		3	7.0	100
	Aroclor-1248		3		3	3.4	100
	Aroclor-1254		3		3	3.4	100
	PAH-SVOCs						
	7,12-Dimethylbenz(a)anthracene		3		3	11	100
	Acenaphthene	3			3		0
	Anthracene		3		3	57	100
	Benzo(a)anthracene		3		3	76	100
	Benzo(a)pyrene		3		3	121	100
	Benzo(b)fluoranthene	3			3		0
	Benzo(g,h,i)perylene	3			3		0
	Benzo(k)fluoranthene	3			3		0
	Chrysene		3		3	136	100
	Dibenz(a,h)anthracene		3		3	121	100
	Fluoranthene	3			3		0
	Fluorene	3			3		0
	Indeno(1,2,3-CD)pyrene	3			3		0
	Naphthalene	3			3		0
	Phenanthrene	3			3		0
	Pyrene		3		3	6.3	100
	SVOCs						
	1,2,4-Trichlorobenzene	3			3		0
	1,2-Dichlorobenzene	3			3		0

Table 4-17

Refined Summary for Freshwater Aquatic Life Exposed to Site Surface Water

Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analyte	Potential for Risk to Receptors from Surfacewater: None	Non-Detects Possible	Detected Possible	Total	Max-HQ	% SEV Exceedances
	1,3-Dichlorobenzene	3			3		0
	1,4-Dichlorobenzene	3			3		0
	2,4,5-Trichlorophenol	3			3		0
	2,4,6-Trichlorophenol		3		3	1.3	100
	2,4-Dichlorophenol	3			3		0
	2,4-Dimethylphenol	3			3		0
	2,4-Dinitrophenol	3			3		0
	2,4-Dinitrotoluene	3			3		0
	2,6-Dinitrotoluene	3			3		0
	2-Chloronaphthalene		3		3	5.6	100
	2-Chlorophenol	3			3		0
	2-Methylphenol	3			3		0
	2-Nitrophenol	3			3		0
	3,3'-Dichlorobenzidine	3			3		0
	4,6-Dinitro-2-methylphenol	3			3		0
	4-Bromophenyl phenylether		3		3	2.1	100
	4-Chloro-3-methylphenol	3			3		0
	4-Chlorophenyl-phenylether		3		3	1.3	100
	4-Nitrophenol	3			3		0
	Benzoic acid	3			3		0
	Benzyl alcohol	3			3		0
	Bis(2-ethylhexyl)phthalate		2	1	3	60	100
	Butylbenzyl phthalate	3			3		0
	Dibenzofuran	3			3		0
	Dimethylphthalate	3			3		0
	Di-n-butylphthalate	3			3		0
	Di-n-octyl phthalate	3			3		0
	Hexachlorobenzene		3		3	4250	100
	Hexachlorobutadiene		3		3	45	100
	Hexachlorocyclopentadiene	3			3		0
	Hexachloroethane	3			3		0
	Pentachlorophenol	3			3		0

Table 4-17
Refined Summary for Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analyte	Potential for Risk to Receptors from Surfacewater: None	Non-Detects Possible	Detected Possible	Total	Max-HQ	% SEV Exceedances
	VOCs						
	1,1-Dichloroethane	3			3		0
	1,1-Dichloroethene	3			3		0
	2-Hexanone	3			3		0
	4-Methyl-2-pentanone	3			3		0
	Benzene	3			3		0
	Bromomethane	3			3		0
	Carbon disulfide		3		3	1.4	100
	Carbon tetrachloride	3			3		0
	Chlorobenzene	3			3		0
	Chloroform	3			3		0
	Ethylbenzene	3			3		0
	o-Xylene	3			3		0
	Styrene	3			3		0
	Tetrachloroethene	3			3		0
	Toluene	3			3		0
	Trichloroethene	3			3		0
	Vinyl acetate	3			3		0
	Xylenes (total)	3			3		0
	General Chemistry Parameters						
	Alkalinity			3	3	4.8	100
	Chloride	3			3		0
	Nitrate as N	3			3		0
	Nitrite as N	3			3		0
	Nitrogen-TKN			3	3	4.8	100
	Phosphorus, Total			12	12	2.9	100
	Total Suspended Solids	3			3		0
CHANNEL							
	Dissolved Metals						
	Antimony	16	25		41	3.3	61
	Barium	6		38	44	183	86
	Beryllium		41		41	7.6	100

Table 4-17
Refined Summary for Freshwater Aquatic Life Exposed to Site Surface Water
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analyte	Potential for Risk to Receptors from Surfacewater: None	Non-Detects Possible	Detected Possible	Total	Max-HQ	% SEV Exceedances
	Cadmium	12	29		41	8.8	71
	Cobalt	20	9		29	1.3	31
	Iron	20		5	25	9.0	20
	Lead	40	1		41	1.2	2
	Manganese	11		26	37	21	70
	Nickel	32		9	41	7.9	22
	Silver		19		19	28	100
	Thallium		4		4	167	100
	Vanadium	19	2	20	41	40	54
	PCBs						
	Aroclor-1016		8		8	36	100
	Aroclor-1221	4	4		8	1.8	50
	Aroclor-1242		8		8	9.4	100
	Aroclor-1248		8		8	6.2	100
	Aroclor-1254		8		8	15	100
	PAH-SVOCs						
	7,12-Dimethylbenz(a)anthracene		15		15	11.1	100
	Acenaphthene	43	1		44	4.3	2
	Anthracene		44		44	2857.1	100
	Benzo(a)anthracene		44		44	4000	100
	Benzo(a)pyrene		44		44	7143	100
	Benzo(b)fluoranthene	18	26		44	11.0	59
	Benzo(g,h,i)perylene	18	26		44	13.1	59
	Benzo(k)fluoranthene	18	26		44	11.0	59
	Chrysene		44		44	7143	100
	Dibenz(a,h)anthracene		44		44	7143	100
	Fluoranthene	18	26		44	16	59
	Fluorene	18	26		44	26	59
	Indeno(1,2,3-CD)pyrene	15	29		44	23	66
	Naphthalene	43	1		44	8.3	2
	Phenanthrene	18	26		44	15.9	59
	Pyrene		44		44	333	100

Table 4-17

Refined Summary for Freshwater Aquatic Life Exposed to Site Surface Water

Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analyte	Potential for Risk to Receptors from Surfacewater: None	Non-Detects Possible	Detected Possible	Total	Max-HQ	% SEV Exceedances
	SVOCs						
	1,2,4-Trichlorobenzene	43	1		44	3.3	2
	1,2-Dichlorobenzene	43	1		44	7.1	2
	1,3-Dichlorobenzene	43	1		44	2.6	2
	1,4-Dichlorobenzene	18	26		44	10.6	59
	2,4,5-Trichlorophenol	14	25		39	102	64
	2,4,6-Trichlorophenol	8	31		39	20	79
	2,4-Dichlorophenol	38	1		39	9.1	3
	2,4-Dimethylphenol	38	1		39	1.0	3
	2,4-Dinitrophenol	14	25		39	26	64
	2,4-Dinitrotoluene	43	1		44	2.3	2
	2,6-Dinitrotoluene	43	1		44	1.2	2
	2-Chloronaphthalene	6	38		44	253	86
	2-Chlorophenol	38	1		39	4.2	3
	2-Methylphenol	38	1		39	7.7	3
	2-Nitrophenol	38	1		39	1.2	3
	3,3'-Dichlorobenzidine	15	29		44	44	66
	4,6-Dinitro-2-methylphenol	14	25		39	22	64
	4-Bromophenyl phenylether	6	38		44	67	86
	4-Chloro-3-methylphenol	38	1		39	2.9	3
	4-Chlorophenyl-phenylether	6	38		44	67	86
	4-Nitrophenol	38	1		39	8.3	3
	Benzoic acid	14	22		36	1.2	61
	Benzyl alcohol	15	22		37	2.3	59
	Bis(2-ethylhexyl)phthalate		42	2	44	333	100
	Butylbenzyl phthalate	43	1		44	5.3	2
	Dibenzofuran	15	26		41	27	63
	Dimethylphthalate	43	1		44	3.3	2
	Di-n-butylphthalate	43	1		44	2.9	2
	Di-n-octyl phthalate	43	1		44	3.3	2
	Hexachlorobenzene		44		44	250000	100
	Hexachlorobutadiene		44		44	1887	100

Table 4-17

Refined Summary for Freshwater Aquatic Life Exposed to Site Surface Water

Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analyte	Potential for Risk to Receptors from Surfacewater: None	Non-Detects Possible	Detected Possible	Total	Max-HQ	% SEV Exceedances
	Hexachlorocyclopentadiene	43	1		44	1.3	2
	Hexachloroethane	18	26		44	13	59
	Pentachlorophenol	14	24		38	125	63
	VOCs						
	1,1-Dichloroethane	43	1		44	1.1	2
	1,1-Dichloroethene	43	1		44	2.0	2
	2-Hexanone	40	1		41	5.1	2
	4-Methyl-2-pentanone	40	1		41	2.9	2
	Benzene	41		1	42	3.2	2
	Bromomethane	42	2		44	6.3	5
	Carbon disulfide	3	38	3	44	130	93
	Carbon tetrachloride	42	2		44	5.1	5
	Chlorobenzene	43	1		44	1.1	2
	Chloroform	43	1		44	1.8	2
	Ethylbenzene	43	2		45	6.8	4
	o-Xylene	15			15		0
	Styrene	40	1		41	1.6	2
	Tetrachloroethene	43	1		44	1.1	2
	Toluene	42	2	1	45	5.1	7
	Trichloroethene	43	1		44	1.1	2
	Vinyl acetate	20	21		41	31	51
	Xylenes (total)	42	1	2	45	4.7	7
	General Chemistry Parameters						
	Alkalinity			37	37	39	100
	Ammonia			12	12	1587	100
	Chloride	23		14	37	2.2	38
	Nitrate as N	27		10	37	22	27
	Nitrite as N	18	9	10	37	11	51
	Nitrogen-TKN	3	6	28	37	20	92
	Total Suspended Solids	10		5	15	23	33

Notes:

Possible = Exposure exceeds low-toxicity value but not high-toxicity value

Table 4-17

Refined Summary for Freshwater Aquatic Life Exposed to Site Surface Water

Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analyte	Potential for Risk to Receptors from Surfacewater: None	Non-Detects Possible	Detected Possible	Total	Max-HQ	% SEV Exceedances

Uncertain = retained as an uncertainty

Total = number of samples analyzed for the parameter.

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA10005	METALS	Antimony	ug/Kg	5.10E+02	DET	1.20E+04		4.25E-02		none
SD	AES	HA09005	METALS	Antimony	ug/Kg	6.20E+02	DET	1.20E+04		5.17E-02		none
SD	AES	HA09052	METALS	Antimony	ug/Kg	6.30E+02	DET	1.20E+04		5.25E-02		none
SD	AES	HA07005	METALS	Antimony	ug/Kg	6.50E+02	DET	1.20E+04		5.42E-02		none
SD	AES	HA08052	METALS	Antimony	ug/Kg	7.10E+02	DET	1.20E+04		5.92E-02		none
SD	AES	HA10052	METALS	Antimony	ug/Kg	7.30E+02	DET	1.20E+04		6.08E-02		none
SD	AES	HA08005	METALS	Antimony	ug/Kg	7.40E+02	DET	1.20E+04		6.17E-02		none
SD	AES	HA07052	METALS	Antimony	ug/Kg	7.60E+02	DET	1.20E+04		6.33E-02		none
SD	AES	HA09052	METALS	Arsenic	ug/Kg	1.80E+03	DET	9.79E+03	3.30E+04	1.84E-01	5.45E-02	none
SD	AES	HA02052	METALS	Arsenic	ug/Kg	2.10E+03	DET	9.79E+03	3.30E+04	2.15E-01	6.36E-02	none
SD	AES	HA01005	METALS	Arsenic	ug/Kg	2.20E+03	DET	9.79E+03	3.30E+04	2.25E-01	6.67E-02	none
SD	AES	HA07052	METALS	Arsenic	ug/Kg	2.30E+03	DET	9.79E+03	3.30E+04	2.35E-01	6.97E-02	none
SD	AES	HA01052	METALS	Arsenic	ug/Kg	2.50E+03	DET	9.79E+03	3.30E+04	2.55E-01	7.58E-02	none
SD	AES	HA04005	METALS	Arsenic	ug/Kg	2.50E+03	DET	9.79E+03	3.30E+04	2.55E-01	7.58E-02	none
SD	AES	HA02005	METALS	Arsenic	ug/Kg	2.50E+03	DET	9.79E+03	3.30E+04	2.55E-01	7.58E-02	none
SD	AES	HA03005	METALS	Arsenic	ug/Kg	2.60E+03	DET	9.79E+03	3.30E+04	2.66E-01	7.88E-02	none
SD	AES	HA05052	METALS	Arsenic	ug/Kg	2.60E+03	DET	9.79E+03	3.30E+04	2.66E-01	7.88E-02	none
SD	AES	HA10052	METALS	Arsenic	ug/Kg	2.70E+03	DET	9.79E+03	3.30E+04	2.76E-01	8.18E-02	none
SD	AES	HA03052	METALS	Arsenic	ug/Kg	2.80E+03	DET	9.79E+03	3.30E+04	2.86E-01	8.48E-02	none
SD	AES	HA05005	METALS	Arsenic	ug/Kg	3.10E+03	DET	9.79E+03	3.30E+04	3.17E-01	9.39E-02	none
SD	AES	HA08052	METALS	Arsenic	ug/Kg	3.30E+03	DET	9.79E+03	3.30E+04	3.37E-01	1.00E-01	none
SD	AES	HA06052	METALS	Arsenic	ug/Kg	3.30E+03	DET	9.79E+03	3.30E+04	3.37E-01	1.00E-01	none
SD	AES	HA08005	METALS	Arsenic	ug/Kg	3.40E+03	DET	9.79E+03	3.30E+04	3.47E-01	1.03E-01	none
SD	AES	HA04052	METALS	Arsenic	ug/Kg	3.50E+03	DET	9.79E+03	3.30E+04	3.58E-01	1.06E-01	none
SD	AES	HA07005	METALS	Arsenic	ug/Kg	3.70E+03	DET	9.79E+03	3.30E+04	3.78E-01	1.12E-01	none
SD	AES	HA10005	METALS	Arsenic	ug/Kg	4.50E+03	DET	9.79E+03	3.30E+04	4.60E-01	1.36E-01	none
SD	AES	HA06005	METALS	Arsenic	ug/Kg	6.80E+03	DET	9.79E+03	3.30E+04	6.95E-01	2.06E-01	none
SD	AES	HA09005	METALS	Arsenic	ug/Kg	9.00E+03	DET	9.79E+03	3.30E+04	9.19E-01	2.73E-01	none
SD	AES	HA09052	METALS	Cadmium	ug/Kg	6.20E+02	ND	9.90E+02	4.98E+03	6.26E-01	1.24E-01	none
SD	AES	HA08005	METALS	Cadmium	ug/Kg	6.20E+02	ND	9.90E+02	4.98E+03	6.26E-01	1.24E-01	none
SD	AES	HA07005	METALS	Cadmium	ug/Kg	6.30E+02	ND	9.90E+02	4.98E+03	6.36E-01	1.27E-01	none
SD	AES	HA08052	METALS	Cadmium	ug/Kg	6.40E+02	ND	9.90E+02	4.98E+03	6.46E-01	1.29E-01	none
SD	AES	HA09005	METALS	Cadmium	ug/Kg	6.40E+02	ND	9.90E+02	4.98E+03	6.46E-01	1.29E-01	none
SD	AES	HA07052	METALS	Cadmium	ug/Kg	6.50E+02	ND	9.90E+02	4.98E+03	6.57E-01	1.31E-01	none
SD	AES	HA10052	METALS	Cadmium	ug/Kg	6.60E+02	ND	9.90E+02	4.98E+03	6.67E-01	1.33E-01	none
SD	AES	HA10005	METALS	Cadmium	ug/Kg	6.60E+02	ND	9.90E+02	4.98E+03	6.67E-01	1.33E-01	none
SD	AES	HA06052	METALS	Cadmium	ug/Kg	8.30E+02	DET	9.90E+02	4.98E+03	8.38E-01	1.67E-01	none
SD	AES	HA04052	METALS	Cadmium	ug/Kg	1.20E+03	DET	9.90E+02	4.98E+03	1.21E+00	2.41E-01	poss-det
SD	AES	HA01052	METALS	Cadmium	ug/Kg	1.20E+03	DET	9.90E+02	4.98E+03	1.21E+00	2.41E-01	poss-det
SD	AES	HA01005	METALS	Cadmium	ug/Kg	1.20E+03	DET	9.90E+02	4.98E+03	1.21E+00	2.41E-01	poss-det
SD	AES	HA02005	METALS	Cadmium	ug/Kg	1.20E+03	DET	9.90E+02	4.98E+03	1.21E+00	2.41E-01	poss-det
SD	AES	HA05005	METALS	Cadmium	ug/Kg	1.30E+03	DET	9.90E+02	4.98E+03	1.31E+00	2.61E-01	poss-det
SD	AES	HA05052	METALS	Cadmium	ug/Kg	1.30E+03	DET	9.90E+02	4.98E+03	1.31E+00	2.61E-01	poss-det
SD	AES	HA03052	METALS	Cadmium	ug/Kg	1.40E+03	DET	9.90E+02	4.98E+03	1.41E+00	2.81E-01	poss-det
SD	AES	HA03005	METALS	Cadmium	ug/Kg	1.40E+03	DET	9.90E+02	4.98E+03	1.41E+00	2.81E-01	poss-det
SD	AES	HA06005	METALS	Cadmium	ug/Kg	1.50E+03	DET	9.90E+02	4.98E+03	1.52E+00	3.01E-01	poss-det
SD	AES	HA04005	METALS	Cadmium	ug/Kg	1.80E+03	DET	9.90E+02	4.98E+03	1.82E+00	3.61E-01	poss-det
SD	AES	HA02052	METALS	Cadmium	ug/Kg	2.10E+03	DET	9.90E+02	4.98E+03	2.12E+00	4.22E-01	poss-det
SD	AES	HA01005	METALS	Chromium	ug/Kg	8.80E+03	DET	4.34E+04	1.11E+05	2.03E-01	7.93E-02	none
SD	AES	HA03005	METALS	Chromium	ug/Kg	1.11E+04	DET	4.34E+04	1.11E+05	2.56E-01	1.00E-01	none
SD	AES	HA02005	METALS	Chromium	ug/Kg	1.12E+04	DET	4.34E+04	1.11E+05	2.58E-01	1.01E-01	none
SD	AES	HA05005	METALS	Chromium	ug/Kg	1.13E+04	DET	4.34E+04	1.11E+05	2.60E-01	1.02E-01	none
SD	AES	HA10005	METALS	Chromium	ug/Kg	1.25E+04	DET	4.34E+04	1.11E+05	2.88E-01	1.13E-01	none
SD	AES	HA06052	METALS	Chromium	ug/Kg	1.26E+04	DET	4.34E+04	1.11E+05	2.90E-01	1.14E-01	none
SD	AES	HA09005	METALS	Chromium	ug/Kg	1.26E+04	DET	4.34E+04	1.11E+05	2.90E-01	1.14E-01	none
SD	AES	HA09052	METALS	Chromium	ug/Kg	1.29E+04	DET	4.34E+04	1.11E+05	2.97E-01	1.16E-01	none
SD	AES	HA05052	METALS	Chromium	ug/Kg	1.31E+04	DET	4.34E+04	1.11E+05	3.02E-01	1.18E-01	none
SD	AES	HA01052	METALS	Chromium	ug/Kg	1.32E+04	DET	4.34E+04	1.11E+05	3.04E-01	1.19E-01	none
SD	AES	HA07005	METALS	Chromium	ug/Kg	1.34E+04	DET	4.34E+04	1.11E+05	3.09E-01	1.21E-01	none
SD	AES	HA06005	METALS	Chromium	ug/Kg	1.34E+04	DET	4.34E+04	1.11E+05	3.09E-01	1.21E-01	none
SD	AES	HA10052	METALS	Chromium	ug/Kg	1.40E+04	DET	4.34E+04	1.11E+05	3.23E-01	1.26E-01	none
SD	AES	HA07052	METALS	Chromium	ug/Kg	1.43E+04	DET	4.34E+04	1.11E+05	3.29E-01	1.29E-01	none
SD	AES	HA04052	METALS	Chromium	ug/Kg	1.44E+04	DET	4.34E+04	1.11E+05	3.32E-01	1.30E-01	none
SD	AES	HA02052	METALS	Chromium	ug/Kg	1.51E+04	DET	4.34E+04	1.11E+05	3.48E-01	1.36E-01	none
SD	AES	HA04005	METALS	Chromium	ug/Kg	1.54E+04	DET	4.34E+04	1.11E+05	3.55E-01	1.39E-01	none
SD	AES	HA08052	METALS	Chromium	ug/Kg	1.54E+04	DET	4.34E+04	1.11E+05	3.55E-01	1.39E-01	none
SD	AES	HA08005	METALS	Chromium	ug/Kg	1.55E+04	DET	4.34E+04	1.11E+05	3.57E-01	1.40E-01	none
SD	AES	HA03052	METALS	Chromium	ug/Kg	1.56E+04	DET	4.34E+04	1.11E+05	3.59E-01	1.41E-01	none
SD	AES	HA01005	METALS	Cobalt	ug/Kg	1.34E+04	DET	5.00E+04		2.68E-01		none
SD	AES	HA03005	METALS	Cobalt	ug/Kg	1.78E+04	DET	5.00E+04		3.56E-01		none
SD	AES	HA06052	METALS	Cobalt	ug/Kg	1.79E+04	DET	5.00E+04		3.58E-01		none
SD	AES	HA09005	METALS	Cobalt	ug/Kg	1.85E+04	DET	5.00E+04		3.70E-01		none
SD	AES	HA02005	METALS	Cobalt	ug/Kg	1.85E+04	DET	5.00E+04		3.70E-01		none
SD	AES	HA09052	METALS	Cobalt	ug/Kg	1.87E+04	DET	5.00E+04		3.74E-01		none
SD	AES	HA05005	METALS	Cobalt	ug/Kg	1.88E+04	DET	5.00E+04		3.76E-01		none
SD	AES	HA10005	METALS	Cobalt	ug/Kg	1.89E+04	DET	5.00E+04		3.78E-01		none
SD	AES	HA06005	METALS	Cobalt	ug/Kg	2.01E+04	DET	5.00E+04		4.02E-01		none
SD	AES	HA10052	METALS	Cobalt	ug/Kg	2.07E+04	DET	5.00E+04		4.14E-01		none
SD	AES	HA01052	METALS	Cobalt	ug/Kg	2.13E+04	DET	5.00E+04		4.26E-01		none
SD	AES	HA05052	METALS	Cobalt	ug/Kg	2.18E+04	DET	5.00E+04		4.36E-01		none
SD	AES	HA08005	METALS	Cobalt	ug/Kg	2.19E+04	DET	5.00E+04		4.38E-01		none
SD	AES	HA08052	METALS	Cobalt	ug/Kg	2.20E+04	DET	5.00E+04		4.40E-01		none
SD	AES	HA07005	METALS	Cobalt	ug/Kg	2.24E+04	DET	5.00E+04		4.48E-01		none
SD	AES	HA07052	METALS	Cobalt	ug/Kg	2.28E+04	DET	5.00E+04		4.56E-01		none
SD	AES	HA04052	METALS	Cobalt	ug/Kg	2.33E+04	DET	5.00E+04		4.66E-01		none
SD	AES	HA03052	METALS	Cobalt	ug/Kg	2.45E+04	DET	5.00E+04		4.90E-01		none
SD	AES	HA02052	METALS	Cobalt	ug/Kg	2.46E+04	DET	5.00E+04		4.92E-01		none
SD	AES	HA04005	METALS	Cobalt	ug/Kg	2.49E+04	DET	5.00E+04		4.98E-01		none
SD	AES	HA01005	METALS	Copper	ug/Kg	5.19E+04	DET	3.16E+04	1.49E+05	1.64E+00	3.48E-01	poss-det

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA10005	METALS	Copper	ug/Kg	6.77E+04	DET	3.16E+04	1.49E+05	2.14E+00	4.54E-01	poss-det
SD	AES	HA06052	METALS	Copper	ug/Kg	6.80E+04	DET	3.16E+04	1.49E+05	2.15E+00	4.56E-01	poss-det
SD	AES	HA02005	METALS	Copper	ug/Kg	6.95E+04	DET	3.16E+04	1.49E+05	2.20E+00	4.66E-01	poss-det
SD	AES	HA09005	METALS	Copper	ug/Kg	7.02E+04	DET	3.16E+04	1.49E+05	2.22E+00	4.71E-01	poss-det
SD	AES	HA03005	METALS	Copper	ug/Kg	7.06E+04	DET	3.16E+04	1.49E+05	2.23E+00	4.74E-01	poss-det
SD	AES	HA05005	METALS	Copper	ug/Kg	7.18E+04	DET	3.16E+04	1.49E+05	2.27E+00	4.82E-01	poss-det
SD	AES	HA10052	METALS	Copper	ug/Kg	7.18E+04	DET	3.16E+04	1.49E+05	2.27E+00	4.82E-01	poss-det
SD	AES	HA09052	METALS	Copper	ug/Kg	7.23E+04	DET	3.16E+04	1.49E+05	2.29E+00	4.85E-01	poss-det
SD	AES	HA07005	METALS	Copper	ug/Kg	7.74E+04	DET	3.16E+04	1.49E+05	2.45E+00	5.19E-01	poss-det
SD	AES	HA06005	METALS	Copper	ug/Kg	7.78E+04	DET	3.16E+04	1.49E+05	2.46E+00	5.22E-01	poss-det
SD	AES	HA08005	METALS	Copper	ug/Kg	8.31E+04	DET	3.16E+04	1.49E+05	2.63E+00	5.58E-01	poss-det
SD	AES	HA08052	METALS	Copper	ug/Kg	8.59E+04	DET	3.16E+04	1.49E+05	2.72E+00	5.77E-01	poss-det
SD	AES	HA04005	METALS	Copper	ug/Kg	8.92E+04	DET	3.16E+04	1.49E+05	2.82E+00	5.99E-01	poss-det
SD	AES	HA01052	METALS	Copper	ug/Kg	8.93E+04	DET	3.16E+04	1.49E+05	2.83E+00	5.99E-01	poss-det
SD	AES	HA05052	METALS	Copper	ug/Kg	8.94E+04	DET	3.16E+04	1.49E+05	2.83E+00	6.00E-01	poss-det
SD	AES	HA07052	METALS	Copper	ug/Kg	9.08E+04	DET	3.16E+04	1.49E+05	2.87E+00	6.09E-01	poss-det
SD	AES	HA04052	METALS	Copper	ug/Kg	9.37E+04	DET	3.16E+04	1.49E+05	2.97E+00	6.29E-01	poss-det
SD	AES	HA02052	METALS	Copper	ug/Kg	9.61E+04	DET	3.16E+04	1.49E+05	3.04E+00	6.45E-01	poss-det
SD	AES	HA03052	METALS	Copper	ug/Kg	1.07E+05	DET	3.16E+04	1.49E+05	3.39E+00	7.18E-01	poss-det
SD	AES	HA09052	METALS	Lead	ug/Kg	1.70E+03	DET	3.58E+04	1.28E+05	4.75E-02	1.33E-02	none
SD	AES	HA01052	METALS	Lead	ug/Kg	1.70E+03	DET	3.58E+04	1.28E+05	4.75E-02	1.33E-02	none
SD	AES	HA06052	METALS	Lead	ug/Kg	1.80E+03	DET	3.58E+04	1.28E+05	5.03E-02	1.41E-02	none
SD	AES	HA07052	METALS	Lead	ug/Kg	1.90E+03	DET	3.58E+04	1.28E+05	5.31E-02	1.48E-02	none
SD	AES	HA02052	METALS	Lead	ug/Kg	2.00E+03	DET	3.58E+04	1.28E+05	5.59E-02	1.56E-02	none
SD	AES	HA04052	METALS	Lead	ug/Kg	2.10E+03	DET	3.58E+04	1.28E+05	5.87E-02	1.64E-02	none
SD	AES	HA10052	METALS	Lead	ug/Kg	2.10E+03	DET	3.58E+04	1.28E+05	5.87E-02	1.64E-02	none
SD	AES	HA03052	METALS	Lead	ug/Kg	2.30E+03	DET	3.58E+04	1.28E+05	6.42E-02	1.80E-02	none
SD	AES	HA08052	METALS	Lead	ug/Kg	2.70E+03	DET	3.58E+04	1.28E+05	7.54E-02	2.11E-02	none
SD	AES	HA05052	METALS	Lead	ug/Kg	2.70E+03	DET	3.58E+04	1.28E+05	7.54E-02	2.11E-02	none
SD	AES	HA10005	METALS	Lead	ug/Kg	2.70E+03	DET	3.58E+04	1.28E+05	7.54E-02	2.11E-02	none
SD	AES	HA09005	METALS	Lead	ug/Kg	3.20E+03	DET	3.58E+04	1.28E+05	8.94E-02	2.50E-02	none
SD	AES	HA04005	METALS	Lead	ug/Kg	4.80E+03	DET	3.58E+04	1.28E+05	1.34E-01	3.75E-02	none
SD	AES	HA08005	METALS	Lead	ug/Kg	5.00E+03	DET	3.58E+04	1.28E+05	1.40E-01	3.91E-02	none
SD	AES	HA07005	METALS	Lead	ug/Kg	5.60E+03	DET	3.58E+04	1.28E+05	1.56E-01	4.38E-02	none
SD	AES	HA02005	METALS	Lead	ug/Kg	5.70E+03	DET	3.58E+04	1.28E+05	1.59E-01	4.45E-02	none
SD	AES	HA06005	METALS	Lead	ug/Kg	6.40E+03	DET	3.58E+04	1.28E+05	1.79E-01	5.00E-02	none
SD	AES	HA03005	METALS	Lead	ug/Kg	8.10E+03	DET	3.58E+04	1.28E+05	2.26E-01	6.33E-02	none
SD	AES	HA01005	METALS	Lead	ug/Kg	8.70E+03	DET	3.58E+04	1.28E+05	2.43E-01	6.80E-02	none
SD	AES	HA05005	METALS	Lead	ug/Kg	1.42E+04	DET	3.58E+04	1.28E+05	3.97E-01	1.11E-01	none
SD	AES	HA01005	METALS	Manganese	ug/Kg	6.01E+05	DET	1.67E+03	1.08E+03	3.59E+02	5.56E+02	prob-det
SD	AES	HA03052	METALS	Manganese	ug/Kg	6.31E+05	DET	1.67E+03	1.08E+03	3.77E+02	5.84E+02	prob-det
SD	AES	HA08052	METALS	Manganese	ug/Kg	6.84E+05	DET	1.67E+03	1.08E+03	4.09E+02	6.33E+02	prob-det
SD	AES	HA03005	METALS	Manganese	ug/Kg	7.52E+05	DET	1.67E+03	1.08E+03	4.49E+02	6.96E+02	prob-det
SD	AES	HA04052	METALS	Manganese	ug/Kg	7.72E+05	DET	1.67E+03	1.08E+03	4.61E+02	7.14E+02	prob-det
SD	AES	HA02005	METALS	Manganese	ug/Kg	7.78E+05	DET	1.67E+03	1.08E+03	4.65E+02	7.20E+02	prob-det
SD	AES	HA01052	METALS	Manganese	ug/Kg	8.85E+05	DET	1.67E+03	1.08E+03	5.29E+02	8.19E+02	prob-det
SD	AES	HA10005	METALS	Manganese	ug/Kg	8.91E+05	DET	1.67E+03	1.08E+03	5.33E+02	8.24E+02	prob-det
SD	AES	HA05052	METALS	Manganese	ug/Kg	9.08E+05	DET	1.67E+03	1.08E+03	5.43E+02	8.40E+02	prob-det
SD	AES	HA10052	METALS	Manganese	ug/Kg	9.62E+05	DET	1.67E+03	1.08E+03	5.75E+02	8.90E+02	prob-det
SD	AES	HA05005	METALS	Manganese	ug/Kg	9.81E+05	DET	1.67E+03	1.08E+03	5.86E+02	9.07E+02	prob-det
SD	AES	HA08005	METALS	Manganese	ug/Kg	9.82E+05	DET	1.67E+03	1.08E+03	5.87E+02	9.08E+02	prob-det
SD	AES	HA06052	METALS	Manganese	ug/Kg	9.88E+05	DET	1.67E+03	1.08E+03	5.91E+02	9.14E+02	prob-det
SD	AES	HA09052	METALS	Manganese	ug/Kg	1.03E+06	DET	1.67E+03	1.08E+03	6.16E+02	9.53E+02	prob-det
SD	AES	HA04005	METALS	Manganese	ug/Kg	1.03E+06	DET	1.67E+03	1.08E+03	6.16E+02	9.53E+02	prob-det
SD	AES	HA07052	METALS	Manganese	ug/Kg	1.07E+06	DET	1.67E+03	1.08E+03	6.40E+02	9.90E+02	prob-det
SD	AES	HA02052	METALS	Manganese	ug/Kg	1.31E+06	DET	1.67E+03	1.08E+03	7.83E+02	1.21E+03	prob-det
SD	AES	HA09005	METALS	Manganese	ug/Kg	1.45E+06	DET	1.67E+03	1.08E+03	8.67E+02	1.34E+03	prob-det
SD	AES	HA06005	METALS	Manganese	ug/Kg	1.46E+06	DET	1.67E+03	1.08E+03	8.73E+02	1.35E+03	prob-det
SD	AES	HA07005	METALS	Manganese	ug/Kg	1.48E+06	DET	1.67E+03	1.08E+03	8.85E+02	1.37E+03	prob-det
SD	AES	HA01005	METALS	Mercury	ug/Kg	7.90E+00	DET	1.80E+02	1.06E+03	4.39E-02	7.45E-03	none
SD	AES	HA10052	METALS	Mercury	ug/Kg	1.10E+01	DET	1.80E+02	1.06E+03	6.11E-02	1.04E-02	none
SD	AES	HA07005	METALS	Mercury	ug/Kg	1.20E+01	DET	1.80E+02	1.06E+03	6.67E-02	1.13E-02	none
SD	AES	HA09052	METALS	Mercury	ug/Kg	1.20E+01	DET	1.80E+02	1.06E+03	6.67E-02	1.13E-02	none
SD	AES	HA04052	METALS	Mercury	ug/Kg	1.20E+01	DET	1.80E+02	1.06E+03	6.67E-02	1.13E-02	none
SD	AES	HA10005	METALS	Mercury	ug/Kg	1.20E+01	DET	1.80E+02	1.06E+03	6.67E-02	1.13E-02	none
SD	AES	HA03005	METALS	Mercury	ug/Kg	1.30E+01	DET	1.80E+02	1.06E+03	7.22E-02	1.23E-02	none
SD	AES	HA05005	METALS	Mercury	ug/Kg	1.30E+01	DET	1.80E+02	1.06E+03	7.22E-02	1.23E-02	none
SD	AES	HA06052	METALS	Mercury	ug/Kg	1.30E+01	DET	1.80E+02	1.06E+03	7.22E-02	1.23E-02	none
SD	AES	HA05052	METALS	Mercury	ug/Kg	1.30E+01	DET	1.80E+02	1.06E+03	7.22E-02	1.23E-02	none
SD	AES	HA09005	METALS	Mercury	ug/Kg	1.30E+01	DET	1.80E+02	1.06E+03	7.22E-02	1.23E-02	none
SD	AES	HA02005	METALS	Mercury	ug/Kg	1.50E+01	DET	1.80E+02	1.06E+03	8.33E-02	1.42E-02	none
SD	AES	HA04005	METALS	Mercury	ug/Kg	1.60E+01	DET	1.80E+02	1.06E+03	8.89E-02	1.51E-02	none
SD	AES	HA08005	METALS	Mercury	ug/Kg	1.60E+01	DET	1.80E+02	1.06E+03	8.89E-02	1.51E-02	none
SD	AES	HA06005	METALS	Mercury	ug/Kg	1.60E+01	DET	1.80E+02	1.06E+03	8.89E-02	1.51E-02	none
SD	AES	HA07052	METALS	Mercury	ug/Kg	1.70E+01	DET	1.80E+02	1.06E+03	9.44E-02	1.60E-02	none
SD	AES	HA08052	METALS	Mercury	ug/Kg	1.80E+01	DET	1.80E+02	1.06E+03	1.00E-01	1.70E-02	none
SD	AES	HA03052	METALS	Mercury	ug/Kg	1.90E+01	DET	1.80E+02	1.06E+03	1.06E-01	1.79E-02	none
SD	AES	HA02052	METALS	Mercury	ug/Kg	1.90E+01	DET	1.80E+02	1.06E+03	1.06E-01	1.79E-02	none
SD	AES	HA01052	METALS	Mercury	ug/Kg	2.00E+01	DET	1.80E+02	1.06E+03	1.11E-01	1.89E-02	none
SD	AES	HA06052	METALS	Nickel	ug/Kg	7.20E+03	DET	2.27E+04	4.86E+04	3.17E-01	1.48E-01	none
SD	AES	HA09052	METALS	Nickel	ug/Kg	7.30E+03	DET	2.27E+04	4.86E+04	3.22E-01	1.50E-01	none
SD	AES	HA01005	METALS	Nickel	ug/Kg	7.50E+03	DET	2.27E+04	4.86E+04	3.30E-01	1.54E-01	none
SD	AES	HA02005	METALS	Nickel	ug/Kg	7.60E+03	DET	2.27E+04	4.86E+04	3.35E-01	1.56E-01	none
SD	AES	HA05005	METALS	Nickel	ug/Kg	7.70E+03	DET	2.27E+04	4.86E+04	3.39E-01	1.58E-01	none
SD	AES	HA09005	METALS	Nickel	ug/Kg	7.70E+03	DET	2.27E+04	4.86E+04	3.39E-01	1.58E-01	none
SD	AES	HA03005	METALS	Nickel	ug/Kg	7.80E+03	DET	2.27E+04	4.86E+04	3.44E-01	1.60E-01	none
SD	AES	HA10005	METALS	Nickel	ug/Kg	8.00E+03	DET	2.27E+04	4.86E+04	3.52E-01	1.65E-01	none
SD	AES	HA06005	METALS	Nickel	ug/Kg	8.30E+03	DET	2.27E+04	4.86E+04	3.66E-01	1.71E-01	none
SD	AES	HA05052	METALS	Nickel	ug/Kg	8.50E+03	DET	2.27E+04	4.86E+04	3.74E-01	1.75E-01	none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA01052	METALS	Nickel	ug/Kg	8.60E+03	DET	2.27E+04	4.86E+04	3.79E-01	1.77E-01	none
SD	AES	HA10052	METALS	Nickel	ug/Kg	8.70E+03	DET	2.27E+04	4.86E+04	3.83E-01	1.79E-01	none
SD	AES	HA07005	METALS	Nickel	ug/Kg	9.00E+03	DET	2.27E+04	4.86E+04	3.96E-01	1.85E-01	none
SD	AES	HA04052	METALS	Nickel	ug/Kg	9.40E+03	DET	2.27E+04	4.86E+04	4.14E-01	1.93E-01	none
SD	AES	HA08005	METALS	Nickel	ug/Kg	9.40E+03	DET	2.27E+04	4.86E+04	4.14E-01	1.93E-01	none
SD	AES	HA02052	METALS	Nickel	ug/Kg	9.60E+03	DET	2.27E+04	4.86E+04	4.23E-01	1.98E-01	none
SD	AES	HA08052	METALS	Nickel	ug/Kg	9.60E+03	DET	2.27E+04	4.86E+04	4.23E-01	1.98E-01	none
SD	AES	HA07052	METALS	Nickel	ug/Kg	9.80E+03	DET	2.27E+04	4.86E+04	4.32E-01	2.02E-01	none
SD	AES	HA03052	METALS	Nickel	ug/Kg	1.00E+04	DET	2.27E+04	4.86E+04	4.41E-01	2.06E-01	none
SD	AES	HA04005	METALS	Nickel	ug/Kg	1.01E+04	DET	2.27E+04	4.86E+04	4.45E-01	2.08E-01	none
SD	AES	HA01005	METALS	Zinc	ug/Kg	5.38E+04	DET	1.21E+05	4.59E+05	4.45E-01	1.17E-01	none
SD	AES	HA10005	METALS	Zinc	ug/Kg	6.35E+04	DET	1.21E+05	4.59E+05	5.25E-01	1.38E-01	none
SD	AES	HA06052	METALS	Zinc	ug/Kg	6.42E+04	DET	1.21E+05	4.59E+05	5.31E-01	1.40E-01	none
SD	AES	HA09052	METALS	Zinc	ug/Kg	6.64E+04	DET	1.21E+05	4.59E+05	5.49E-01	1.45E-01	none
SD	AES	HA10052	METALS	Zinc	ug/Kg	6.71E+04	DET	1.21E+05	4.59E+05	5.55E-01	1.46E-01	none
SD	AES	HA03005	METALS	Zinc	ug/Kg	6.76E+04	DET	1.21E+05	4.59E+05	5.59E-01	1.47E-01	none
SD	AES	HA02005	METALS	Zinc	ug/Kg	6.76E+04	DET	1.21E+05	4.59E+05	5.59E-01	1.47E-01	none
SD	AES	HA09005	METALS	Zinc	ug/Kg	6.90E+04	DET	1.21E+05	4.59E+05	5.70E-01	1.50E-01	none
SD	AES	HA06005	METALS	Zinc	ug/Kg	7.40E+04	DET	1.21E+05	4.59E+05	6.12E-01	1.61E-01	none
SD	AES	HA05005	METALS	Zinc	ug/Kg	7.43E+04	DET	1.21E+05	4.59E+05	6.14E-01	1.62E-01	none
SD	AES	HA05052	METALS	Zinc	ug/Kg	8.03E+04	DET	1.21E+05	4.59E+05	6.64E-01	1.75E-01	none
SD	AES	HA01052	METALS	Zinc	ug/Kg	8.16E+04	DET	1.21E+05	4.59E+05	6.74E-01	1.78E-01	none
SD	AES	HA07005	METALS	Zinc	ug/Kg	8.26E+04	DET	1.21E+05	4.59E+05	6.83E-01	1.80E-01	none
SD	AES	HA08052	METALS	Zinc	ug/Kg	8.64E+04	DET	1.21E+05	4.59E+05	7.14E-01	1.88E-01	none
SD	AES	HA04052	METALS	Zinc	ug/Kg	8.68E+04	DET	1.21E+05	4.59E+05	7.17E-01	1.89E-01	none
SD	AES	HA08005	METALS	Zinc	ug/Kg	8.70E+04	DET	1.21E+05	4.59E+05	7.19E-01	1.90E-01	none
SD	AES	HA07052	METALS	Zinc	ug/Kg	8.85E+04	DET	1.21E+05	4.59E+05	7.31E-01	1.93E-01	none
SD	AES	HA02052	METALS	Zinc	ug/Kg	9.14E+04	DET	1.21E+05	4.59E+05	7.55E-01	1.99E-01	none
SD	AES	HA03052	METALS	Zinc	ug/Kg	9.32E+04	DET	1.21E+05	4.59E+05	7.70E-01	2.03E-01	none
SD	AES	HA04005	METALS	Zinc	ug/Kg	1.02E+05	DET	1.21E+05	4.59E+05	8.43E-01	2.22E-01	none
SD	AES	HA01005	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.00E+02	ND	9.20E+03		4.35E-02		none
SD	AES	HA06052	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.10E+02	ND	9.20E+03		4.46E-02		none
SD	AES	HA08005	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.10E+02	ND	9.20E+03		4.46E-02		none
SD	AES	HA09052	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.10E+02	ND	9.20E+03		4.46E-02		none
SD	AES	HA07005	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.10E+02	ND	9.20E+03		4.46E-02		none
SD	AES	HA04052	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.20E+02	ND	9.20E+03		4.57E-02		none
SD	AES	HA03005	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.20E+02	ND	9.20E+03		4.57E-02		none
SD	AES	HA09005	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.20E+02	ND	9.20E+03		4.57E-02		none
SD	AES	HA08052	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.20E+02	ND	9.20E+03		4.57E-02		none
SD	AES	HA02005	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.20E+02	ND	9.20E+03		4.57E-02		none
SD	AES	HA03052	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.30E+02	ND	9.20E+03		4.67E-02		none
SD	AES	HA07052	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.30E+02	ND	9.20E+03		4.67E-02		none
SD	AES	HA06005	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.30E+02	ND	9.20E+03		4.67E-02		none
SD	AES	HA05052	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.30E+02	ND	9.20E+03		4.67E-02		none
SD	AES	HA02052	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.30E+02	ND	9.20E+03		4.67E-02		none
SD	AES	HA04005	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.40E+02	ND	9.20E+03		4.78E-02		none
SD	AES	HA05005	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.40E+02	ND	9.20E+03		4.78E-02		none
SD	AES	HA10005	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.40E+02	ND	9.20E+03		4.78E-02		none
SD	AES	HA10052	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.40E+02	ND	9.20E+03		4.78E-02		none
SD	AES	HA01052	SVOA	1,2,4-Trichlorobenzene	ug/kg	4.40E+02	ND	9.20E+03		4.78E-02		none
SD	AES	HA01005	SVOA	1,2-Dichlorobenzene	ug/kg	4.00E+02	ND	3.40E+02		1.18E+00		poss-ND
SD	AES	HA08005	SVOA	1,2-Dichlorobenzene	ug/kg	4.10E+02	ND	3.40E+02		1.21E+00		poss-ND
SD	AES	HA09052	SVOA	1,2-Dichlorobenzene	ug/kg	4.10E+02	ND	3.40E+02		1.21E+00		poss-ND
SD	AES	HA06052	SVOA	1,2-Dichlorobenzene	ug/kg	4.10E+02	ND	3.40E+02		1.21E+00		poss-ND
SD	AES	HA07005	SVOA	1,2-Dichlorobenzene	ug/kg	4.10E+02	ND	3.40E+02		1.21E+00		poss-ND
SD	AES	HA04052	SVOA	1,2-Dichlorobenzene	ug/kg	4.20E+02	ND	3.40E+02		1.24E+00		poss-ND
SD	AES	HA03005	SVOA	1,2-Dichlorobenzene	ug/kg	4.20E+02	ND	3.40E+02		1.24E+00		poss-ND
SD	AES	HA09005	SVOA	1,2-Dichlorobenzene	ug/kg	4.20E+02	ND	3.40E+02		1.24E+00		poss-ND
SD	AES	HA08052	SVOA	1,2-Dichlorobenzene	ug/kg	4.20E+02	ND	3.40E+02		1.24E+00		poss-ND
SD	AES	HA02005	SVOA	1,2-Dichlorobenzene	ug/kg	4.20E+02	ND	3.40E+02		1.24E+00		poss-ND
SD	AES	HA03052	SVOA	1,2-Dichlorobenzene	ug/kg	4.30E+02	ND	3.40E+02		1.26E+00		poss-ND
SD	AES	HA07052	SVOA	1,2-Dichlorobenzene	ug/kg	4.30E+02	ND	3.40E+02		1.26E+00		poss-ND
SD	AES	HA05052	SVOA	1,2-Dichlorobenzene	ug/kg	4.30E+02	ND	3.40E+02		1.26E+00		poss-ND
SD	AES	HA06005	SVOA	1,2-Dichlorobenzene	ug/kg	4.30E+02	ND	3.40E+02		1.26E+00		poss-ND
SD	AES	HA02052	SVOA	1,2-Dichlorobenzene	ug/kg	4.30E+02	ND	3.40E+02		1.26E+00		poss-ND
SD	AES	HA04005	SVOA	1,2-Dichlorobenzene	ug/kg	4.40E+02	ND	3.40E+02		1.29E+00		poss-ND
SD	AES	HA05005	SVOA	1,2-Dichlorobenzene	ug/kg	4.40E+02	ND	3.40E+02		1.29E+00		poss-ND
SD	AES	HA10005	SVOA	1,2-Dichlorobenzene	ug/kg	4.40E+02	ND	3.40E+02		1.29E+00		poss-ND
SD	AES	HA10052	SVOA	1,2-Dichlorobenzene	ug/kg	4.40E+02	ND	3.40E+02		1.29E+00		poss-ND
SD	AES	HA01052	SVOA	1,2-Dichlorobenzene	ug/kg	4.40E+02	ND	3.40E+02		1.29E+00		poss-ND
SD	AES	HA01005	SVOA	1,3-Dichlorobenzene	ug/kg	4.00E+02	ND	1.70E+03		2.35E-01		none
SD	AES	HA06052	SVOA	1,3-Dichlorobenzene	ug/kg	4.10E+02	ND	1.70E+03		2.41E-01		none
SD	AES	HA08005	SVOA	1,3-Dichlorobenzene	ug/kg	4.10E+02	ND	1.70E+03		2.41E-01		none
SD	AES	HA09052	SVOA	1,3-Dichlorobenzene	ug/kg	4.10E+02	ND	1.70E+03		2.41E-01		none
SD	AES	HA07005	SVOA	1,3-Dichlorobenzene	ug/kg	4.10E+02	ND	1.70E+03		2.41E-01		none
SD	AES	HA04052	SVOA	1,3-Dichlorobenzene	ug/kg	4.20E+02	ND	1.70E+03		2.47E-01		none
SD	AES	HA03005	SVOA	1,3-Dichlorobenzene	ug/kg	4.20E+02	ND	1.70E+03		2.47E-01		none
SD	AES	HA09005	SVOA	1,3-Dichlorobenzene	ug/kg	4.20E+02	ND	1.70E+03		2.47E-01		none
SD	AES	HA08052	SVOA	1,3-Dichlorobenzene	ug/kg	4.20E+02	ND	1.70E+03		2.47E-01		none
SD	AES	HA02005	SVOA	1,3-Dichlorobenzene	ug/kg	4.20E+02	ND	1.70E+03		2.47E-01		none
SD	AES	HA03052	SVOA	1,3-Dichlorobenzene	ug/kg	4.30E+02	ND	1.70E+03		2.53E-01		none
SD	AES	HA07052	SVOA	1,3-Dichlorobenzene	ug/kg	4.30E+02	ND	1.70E+03		2.53E-01		none
SD	AES	HA05052	SVOA	1,3-Dichlorobenzene	ug/kg	4.30E+02	ND	1.70E+03		2.53E-01		none
SD	AES	HA06005	SVOA	1,3-Dichlorobenzene	ug/kg	4.30E+02	ND	1.70E+03		2.53E-01		none
SD	AES	HA02052	SVOA	1,3-Dichlorobenzene	ug/kg	4.30E+02	ND	1.70E+03		2.53E-01		none
SD	AES	HA04005	SVOA	1,3-Dichlorobenzene	ug/kg	4.40E+02	ND	1.70E+03		2.59E-01		none
SD	AES	HA05005	SVOA	1,3-Dichlorobenzene	ug/kg	4.40E+02	ND	1.70E+03		2.59E-01		none
SD	AES	HA10005	SVOA	1,3-Dichlorobenzene	ug/kg	4.40E+02	ND	1.70E+03		2.59E-01		none
SD	AES	HA10052	SVOA	1,3-Dichlorobenzene	ug/kg	4.40E+02	ND	1.70E+03		2.59E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA01052	SVOA	1,3-Dichlorobenzene	ug/kg	4.40E+02	ND	1.70E+03		2.59E-01		none
SD	AES	HA01005	SVOA	1,4-Dichlorobenzene	ug/kg	4.00E+02	ND	3.50E+02		1.14E+00		poss-ND
SD	AES	HA06052	SVOA	1,4-Dichlorobenzene	ug/kg	4.10E+02	ND	3.50E+02		1.17E+00		poss-ND
SD	AES	HA08005	SVOA	1,4-Dichlorobenzene	ug/kg	4.10E+02	ND	3.50E+02		1.17E+00		poss-ND
SD	AES	HA09052	SVOA	1,4-Dichlorobenzene	ug/kg	4.10E+02	ND	3.50E+02		1.17E+00		poss-ND
SD	AES	HA07005	SVOA	1,4-Dichlorobenzene	ug/kg	4.10E+02	ND	3.50E+02		1.17E+00		poss-ND
SD	AES	HA04052	SVOA	1,4-Dichlorobenzene	ug/kg	4.20E+02	ND	3.50E+02		1.20E+00		poss-ND
SD	AES	HA03005	SVOA	1,4-Dichlorobenzene	ug/kg	4.20E+02	ND	3.50E+02		1.20E+00		poss-ND
SD	AES	HA09005	SVOA	1,4-Dichlorobenzene	ug/kg	4.20E+02	ND	3.50E+02		1.20E+00		poss-ND
SD	AES	HA08052	SVOA	1,4-Dichlorobenzene	ug/kg	4.20E+02	ND	3.50E+02		1.20E+00		poss-ND
SD	AES	HA02005	SVOA	1,4-Dichlorobenzene	ug/kg	4.20E+02	ND	3.50E+02		1.20E+00		poss-ND
SD	AES	HA03052	SVOA	1,4-Dichlorobenzene	ug/kg	4.30E+02	ND	3.50E+02		1.23E+00		poss-ND
SD	AES	HA05052	SVOA	1,4-Dichlorobenzene	ug/kg	4.30E+02	ND	3.50E+02		1.23E+00		poss-ND
SD	AES	HA06005	SVOA	1,4-Dichlorobenzene	ug/kg	4.30E+02	ND	3.50E+02		1.23E+00		poss-ND
SD	AES	HA07052	SVOA	1,4-Dichlorobenzene	ug/kg	4.30E+02	ND	3.50E+02		1.23E+00		poss-ND
SD	AES	HA02052	SVOA	1,4-Dichlorobenzene	ug/kg	4.30E+02	ND	3.50E+02		1.23E+00		poss-ND
SD	AES	HA04005	SVOA	1,4-Dichlorobenzene	ug/kg	4.40E+02	ND	3.50E+02		1.26E+00		poss-ND
SD	AES	HA05005	SVOA	1,4-Dichlorobenzene	ug/kg	4.40E+02	ND	3.50E+02		1.26E+00		poss-ND
SD	AES	HA10005	SVOA	1,4-Dichlorobenzene	ug/kg	4.40E+02	ND	3.50E+02		1.26E+00		poss-ND
SD	AES	HA10052	SVOA	1,4-Dichlorobenzene	ug/kg	4.40E+02	ND	3.50E+02		1.26E+00		poss-ND
SD	AES	HA01052	SVOA	1,4-Dichlorobenzene	ug/kg	4.40E+02	ND	3.50E+02		1.26E+00		poss-ND
SD	AES	HA01005	SVOA	2,4,5-Trichlorophenol	ug/kg	4.00E+02	ND	2.08E+02		1.92E+00		poss-ND
SD	AES	HA06052	SVOA	2,4,5-Trichlorophenol	ug/kg	4.10E+02	ND	2.08E+02		1.97E+00		poss-ND
SD	AES	HA08005	SVOA	2,4,5-Trichlorophenol	ug/kg	4.10E+02	ND	2.08E+02		1.97E+00		poss-ND
SD	AES	HA09052	SVOA	2,4,5-Trichlorophenol	ug/kg	4.10E+02	ND	2.08E+02		1.97E+00		poss-ND
SD	AES	HA07005	SVOA	2,4,5-Trichlorophenol	ug/kg	4.10E+02	ND	2.08E+02		1.97E+00		poss-ND
SD	AES	HA04052	SVOA	2,4,5-Trichlorophenol	ug/kg	4.20E+02	ND	2.08E+02		2.02E+00		poss-ND
SD	AES	HA03005	SVOA	2,4,5-Trichlorophenol	ug/kg	4.20E+02	ND	2.08E+02		2.02E+00		poss-ND
SD	AES	HA09005	SVOA	2,4,5-Trichlorophenol	ug/kg	4.20E+02	ND	2.08E+02		2.02E+00		poss-ND
SD	AES	HA08052	SVOA	2,4,5-Trichlorophenol	ug/kg	4.20E+02	ND	2.08E+02		2.02E+00		poss-ND
SD	AES	HA02005	SVOA	2,4,5-Trichlorophenol	ug/kg	4.20E+02	ND	2.08E+02		2.02E+00		poss-ND
SD	AES	HA03052	SVOA	2,4,5-Trichlorophenol	ug/kg	4.30E+02	ND	2.08E+02		2.07E+00		poss-ND
SD	AES	HA07052	SVOA	2,4,5-Trichlorophenol	ug/kg	4.30E+02	ND	2.08E+02		2.07E+00		poss-ND
SD	AES	HA05052	SVOA	2,4,5-Trichlorophenol	ug/kg	4.30E+02	ND	2.08E+02		2.07E+00		poss-ND
SD	AES	HA06005	SVOA	2,4,5-Trichlorophenol	ug/kg	4.30E+02	ND	2.08E+02		2.07E+00		poss-ND
SD	AES	HA02052	SVOA	2,4,5-Trichlorophenol	ug/kg	4.30E+02	ND	2.08E+02		2.07E+00		poss-ND
SD	AES	HA04005	SVOA	2,4,5-Trichlorophenol	ug/kg	4.40E+02	ND	2.08E+02		2.12E+00		poss-ND
SD	AES	HA05005	SVOA	2,4,5-Trichlorophenol	ug/kg	4.40E+02	ND	2.08E+02		2.12E+00		poss-ND
SD	AES	HA10005	SVOA	2,4,5-Trichlorophenol	ug/kg	4.40E+02	ND	2.08E+02		2.12E+00		poss-ND
SD	AES	HA10052	SVOA	2,4,5-Trichlorophenol	ug/kg	4.40E+02	ND	2.08E+02		2.12E+00		poss-ND
SD	AES	HA01052	SVOA	2,4,5-Trichlorophenol	ug/kg	4.40E+02	ND	2.08E+02		2.12E+00		poss-ND
SD	AES	HA01005	SVOA	2,4,6-Trichlorophenol	ug/kg	4.00E+02	ND	2.08E+02		1.92E+00		poss-ND
SD	AES	HA06052	SVOA	2,4,6-Trichlorophenol	ug/kg	4.10E+02	ND	2.08E+02		1.97E+00		poss-ND
SD	AES	HA08005	SVOA	2,4,6-Trichlorophenol	ug/kg	4.10E+02	ND	2.08E+02		1.97E+00		poss-ND
SD	AES	HA09052	SVOA	2,4,6-Trichlorophenol	ug/kg	4.10E+02	ND	2.08E+02		1.97E+00		poss-ND
SD	AES	HA07005	SVOA	2,4,6-Trichlorophenol	ug/kg	4.10E+02	ND	2.08E+02		1.97E+00		poss-ND
SD	AES	HA04052	SVOA	2,4,6-Trichlorophenol	ug/kg	4.20E+02	ND	2.08E+02		2.02E+00		poss-ND
SD	AES	HA03005	SVOA	2,4,6-Trichlorophenol	ug/kg	4.20E+02	ND	2.08E+02		2.02E+00		poss-ND
SD	AES	HA09005	SVOA	2,4,6-Trichlorophenol	ug/kg	4.20E+02	ND	2.08E+02		2.02E+00		poss-ND
SD	AES	HA08052	SVOA	2,4,6-Trichlorophenol	ug/kg	4.20E+02	ND	2.08E+02		2.02E+00		poss-ND
SD	AES	HA02005	SVOA	2,4,6-Trichlorophenol	ug/kg	4.20E+02	ND	2.08E+02		2.02E+00		poss-ND
SD	AES	HA03052	SVOA	2,4,6-Trichlorophenol	ug/kg	4.30E+02	ND	2.08E+02		2.07E+00		poss-ND
SD	AES	HA07052	SVOA	2,4,6-Trichlorophenol	ug/kg	4.30E+02	ND	2.08E+02		2.07E+00		poss-ND
SD	AES	HA05052	SVOA	2,4,6-Trichlorophenol	ug/kg	4.30E+02	ND	2.08E+02		2.07E+00		poss-ND
SD	AES	HA06005	SVOA	2,4,6-Trichlorophenol	ug/kg	4.30E+02	ND	2.08E+02		2.07E+00		poss-ND
SD	AES	HA02052	SVOA	2,4,6-Trichlorophenol	ug/kg	4.30E+02	ND	2.08E+02		2.07E+00		poss-ND
SD	AES	HA04005	SVOA	2,4,6-Trichlorophenol	ug/kg	4.40E+02	ND	2.08E+02		2.12E+00		poss-ND
SD	AES	HA05005	SVOA	2,4,6-Trichlorophenol	ug/kg	4.40E+02	ND	2.08E+02		2.12E+00		poss-ND
SD	AES	HA10005	SVOA	2,4,6-Trichlorophenol	ug/kg	4.40E+02	ND	2.08E+02		2.12E+00		poss-ND
SD	AES	HA10052	SVOA	2,4,6-Trichlorophenol	ug/kg	4.40E+02	ND	2.08E+02		2.12E+00		poss-ND
SD	AES	HA01052	SVOA	2,4,6-Trichlorophenol	ug/kg	4.40E+02	ND	2.08E+02		2.12E+00		poss-ND
SD	AES	HA01005	SVOA	2,4-Dichlorophenol	ug/kg	4.00E+02	ND	8.17E+01		4.90E+00		poss-ND
SD	AES	HA06052	SVOA	2,4-Dichlorophenol	ug/kg	4.10E+02	ND	8.17E+01		5.02E+00		poss-ND
SD	AES	HA08005	SVOA	2,4-Dichlorophenol	ug/kg	4.10E+02	ND	8.17E+01		5.02E+00		poss-ND
SD	AES	HA09052	SVOA	2,4-Dichlorophenol	ug/kg	4.10E+02	ND	8.17E+01		5.02E+00		poss-ND
SD	AES	HA07005	SVOA	2,4-Dichlorophenol	ug/kg	4.10E+02	ND	8.17E+01		5.02E+00		poss-ND
SD	AES	HA04052	SVOA	2,4-Dichlorophenol	ug/kg	4.20E+02	ND	8.17E+01		5.14E+00		poss-ND
SD	AES	HA03005	SVOA	2,4-Dichlorophenol	ug/kg	4.20E+02	ND	8.17E+01		5.14E+00		poss-ND
SD	AES	HA09005	SVOA	2,4-Dichlorophenol	ug/kg	4.20E+02	ND	8.17E+01		5.14E+00		poss-ND
SD	AES	HA08052	SVOA	2,4-Dichlorophenol	ug/kg	4.20E+02	ND	8.17E+01		5.14E+00		poss-ND
SD	AES	HA02005	SVOA	2,4-Dichlorophenol	ug/kg	4.20E+02	ND	8.17E+01		5.14E+00		poss-ND
SD	AES	HA03052	SVOA	2,4-Dichlorophenol	ug/kg	4.30E+02	ND	8.17E+01		5.26E+00		poss-ND
SD	AES	HA07052	SVOA	2,4-Dichlorophenol	ug/kg	4.30E+02	ND	8.17E+01		5.26E+00		poss-ND
SD	AES	HA05052	SVOA	2,4-Dichlorophenol	ug/kg	4.30E+02	ND	8.17E+01		5.26E+00		poss-ND
SD	AES	HA06005	SVOA	2,4-Dichlorophenol	ug/kg	4.30E+02	ND	8.17E+01		5.26E+00		poss-ND
SD	AES	HA02052	SVOA	2,4-Dichlorophenol	ug/kg	4.30E+02	ND	8.17E+01		5.26E+00		poss-ND
SD	AES	HA04005	SVOA	2,4-Dichlorophenol	ug/kg	4.40E+02	ND	8.17E+01		5.39E+00		poss-ND
SD	AES	HA05005	SVOA	2,4-Dichlorophenol	ug/kg	4.40E+02	ND	8.17E+01		5.39E+00		poss-ND
SD	AES	HA10005	SVOA	2,4-Dichlorophenol	ug/kg	4.40E+02	ND	8.17E+01		5.39E+00		poss-ND
SD	AES	HA10052	SVOA	2,4-Dichlorophenol	ug/kg	4.40E+02	ND	8.17E+01		5.39E+00		poss-ND
SD	AES	HA01052	SVOA	2,4-Dichlorophenol	ug/kg	4.40E+02	ND	8.17E+01		5.39E+00		poss-ND
SD	AES	HA01005	SVOA	2,4-Dimethylphenol	ug/kg	4.00E+02	ND	3.04E+02		1.32E+00		poss-ND
SD	AES	HA06052	SVOA	2,4-Dimethylphenol	ug/kg	4.10E+02	ND	3.04E+02		1.35E+00		poss-ND
SD	AES	HA08005	SVOA	2,4-Dimethylphenol	ug/kg	4.10E+02	ND	3.04E+02		1.35E+00		poss-ND
SD	AES	HA09052	SVOA	2,4-Dimethylphenol	ug/kg	4.10E+02	ND	3.04E+02		1.35E+00		poss-ND
SD	AES	HA07005	SVOA	2,4-Dimethylphenol	ug/kg	4.10E+02	ND	3.04E+02		1.35E+00		poss-ND
SD	AES	HA04052	SVOA	2,4-Dimethylphenol	ug/kg	4.20E+02	ND	3.04E+02		1.38E+00		poss-ND
SD	AES	HA03005	SVOA	2,4-Dimethylphenol	ug/kg	4.20E+02	ND	3.04E+02		1.38E+00		poss-ND
SD	AES	HA09005	SVOA	2,4-Dimethylphenol	ug/kg	4.20E+02	ND	3.04E+02		1.38E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA08052	SVOA	2,4-Dimethylphenol	ug/kg	4.20E+02	ND	3.04E+02		1.38E+00		poss-ND
SD	AES	HA02005	SVOA	2,4-Dimethylphenol	ug/kg	4.20E+02	ND	3.04E+02		1.38E+00		poss-ND
SD	AES	HA03052	SVOA	2,4-Dimethylphenol	ug/kg	4.30E+02	ND	3.04E+02		1.41E+00		poss-ND
SD	AES	HA07052	SVOA	2,4-Dimethylphenol	ug/kg	4.30E+02	ND	3.04E+02		1.41E+00		poss-ND
SD	AES	HA05052	SVOA	2,4-Dimethylphenol	ug/kg	4.30E+02	ND	3.04E+02		1.41E+00		poss-ND
SD	AES	HA06005	SVOA	2,4-Dimethylphenol	ug/kg	4.30E+02	ND	3.04E+02		1.41E+00		poss-ND
SD	AES	HA02052	SVOA	2,4-Dimethylphenol	ug/kg	4.30E+02	ND	3.04E+02		1.41E+00		poss-ND
SD	AES	HA04005	SVOA	2,4-Dimethylphenol	ug/kg	4.40E+02	ND	3.04E+02		1.45E+00		poss-ND
SD	AES	HA05005	SVOA	2,4-Dimethylphenol	ug/kg	4.40E+02	ND	3.04E+02		1.45E+00		poss-ND
SD	AES	HA10005	SVOA	2,4-Dimethylphenol	ug/kg	4.40E+02	ND	3.04E+02		1.45E+00		poss-ND
SD	AES	HA10052	SVOA	2,4-Dimethylphenol	ug/kg	4.40E+02	ND	3.04E+02		1.45E+00		poss-ND
SD	AES	HA01052	SVOA	2,4-Dimethylphenol	ug/kg	4.40E+02	ND	3.04E+02		1.45E+00		poss-ND
SD	AES	HA01005	SVOA	2,4-Dinitrophenol	ug/kg	1.90E+03	ND	6.21E+00		3.06E+02		poss-ND
SD	AES	HA03005	SVOA	2,4-Dinitrophenol	ug/kg	2.00E+03	ND	6.21E+00		3.22E+02		poss-ND
SD	AES	HA06052	SVOA	2,4-Dinitrophenol	ug/kg	2.00E+03	ND	6.21E+00		3.22E+02		poss-ND
SD	AES	HA08005	SVOA	2,4-Dinitrophenol	ug/kg	2.00E+03	ND	6.21E+00		3.22E+02		poss-ND
SD	AES	HA08052	SVOA	2,4-Dinitrophenol	ug/kg	2.00E+03	ND	6.21E+00		3.22E+02		poss-ND
SD	AES	HA09052	SVOA	2,4-Dinitrophenol	ug/kg	2.00E+03	ND	6.21E+00		3.22E+02		poss-ND
SD	AES	HA02005	SVOA	2,4-Dinitrophenol	ug/kg	2.00E+03	ND	6.21E+00		3.22E+02		poss-ND
SD	AES	HA07005	SVOA	2,4-Dinitrophenol	ug/kg	2.00E+03	ND	6.21E+00		3.22E+02		poss-ND
SD	AES	HA04005	SVOA	2,4-Dinitrophenol	ug/kg	2.10E+03	ND	6.21E+00		3.38E+02		poss-ND
SD	AES	HA03052	SVOA	2,4-Dinitrophenol	ug/kg	2.10E+03	ND	6.21E+00		3.38E+02		poss-ND
SD	AES	HA07052	SVOA	2,4-Dinitrophenol	ug/kg	2.10E+03	ND	6.21E+00		3.38E+02		poss-ND
SD	AES	HA05005	SVOA	2,4-Dinitrophenol	ug/kg	2.10E+03	ND	6.21E+00		3.38E+02		poss-ND
SD	AES	HA04052	SVOA	2,4-Dinitrophenol	ug/kg	2.10E+03	ND	6.21E+00		3.38E+02		poss-ND
SD	AES	HA05052	SVOA	2,4-Dinitrophenol	ug/kg	2.10E+03	ND	6.21E+00		3.38E+02		poss-ND
SD	AES	HA10005	SVOA	2,4-Dinitrophenol	ug/kg	2.10E+03	ND	6.21E+00		3.38E+02		poss-ND
SD	AES	HA09005	SVOA	2,4-Dinitrophenol	ug/kg	2.10E+03	ND	6.21E+00		3.38E+02		poss-ND
SD	AES	HA06005	SVOA	2,4-Dinitrophenol	ug/kg	2.10E+03	ND	6.21E+00		3.38E+02		poss-ND
SD	AES	HA10052	SVOA	2,4-Dinitrophenol	ug/kg	2.10E+03	ND	6.21E+00		3.38E+02		poss-ND
SD	AES	HA02052	SVOA	2,4-Dinitrophenol	ug/kg	2.10E+03	ND	6.21E+00		3.38E+02		poss-ND
SD	AES	HA01052	SVOA	2,4-Dinitrophenol	ug/kg	2.20E+03	ND	6.21E+00		3.54E+02		poss-ND
SD	AES	HA01005	SVOA	2,4-Dinitrotoluene	ug/kg	4.00E+02	ND	1.44E+01		2.78E+01		poss-ND
SD	AES	HA06052	SVOA	2,4-Dinitrotoluene	ug/kg	4.10E+02	ND	1.44E+01		2.85E+01		poss-ND
SD	AES	HA08005	SVOA	2,4-Dinitrotoluene	ug/kg	4.10E+02	ND	1.44E+01		2.85E+01		poss-ND
SD	AES	HA09052	SVOA	2,4-Dinitrotoluene	ug/kg	4.10E+02	ND	1.44E+01		2.85E+01		poss-ND
SD	AES	HA07005	SVOA	2,4-Dinitrotoluene	ug/kg	4.10E+02	ND	1.44E+01		2.85E+01		poss-ND
SD	AES	HA04052	SVOA	2,4-Dinitrotoluene	ug/kg	4.20E+02	ND	1.44E+01		2.92E+01		poss-ND
SD	AES	HA03005	SVOA	2,4-Dinitrotoluene	ug/kg	4.20E+02	ND	1.44E+01		2.92E+01		poss-ND
SD	AES	HA09005	SVOA	2,4-Dinitrotoluene	ug/kg	4.20E+02	ND	1.44E+01		2.92E+01		poss-ND
SD	AES	HA08052	SVOA	2,4-Dinitrotoluene	ug/kg	4.20E+02	ND	1.44E+01		2.92E+01		poss-ND
SD	AES	HA02005	SVOA	2,4-Dinitrotoluene	ug/kg	4.20E+02	ND	1.44E+01		2.92E+01		poss-ND
SD	AES	HA03052	SVOA	2,4-Dinitrotoluene	ug/kg	4.30E+02	ND	1.44E+01		2.99E+01		poss-ND
SD	AES	HA07052	SVOA	2,4-Dinitrotoluene	ug/kg	4.30E+02	ND	1.44E+01		2.99E+01		poss-ND
SD	AES	HA05052	SVOA	2,4-Dinitrotoluene	ug/kg	4.30E+02	ND	1.44E+01		2.99E+01		poss-ND
SD	AES	HA06005	SVOA	2,4-Dinitrotoluene	ug/kg	4.30E+02	ND	1.44E+01		2.99E+01		poss-ND
SD	AES	HA02052	SVOA	2,4-Dinitrotoluene	ug/kg	4.30E+02	ND	1.44E+01		2.99E+01		poss-ND
SD	AES	HA04005	SVOA	2,4-Dinitrotoluene	ug/kg	4.40E+02	ND	1.44E+01		3.06E+01		poss-ND
SD	AES	HA05005	SVOA	2,4-Dinitrotoluene	ug/kg	4.40E+02	ND	1.44E+01		3.06E+01		poss-ND
SD	AES	HA10005	SVOA	2,4-Dinitrotoluene	ug/kg	4.40E+02	ND	1.44E+01		3.06E+01		poss-ND
SD	AES	HA10052	SVOA	2,4-Dinitrotoluene	ug/kg	4.40E+02	ND	1.44E+01		3.06E+01		poss-ND
SD	AES	HA01052	SVOA	2,4-Dinitrotoluene	ug/kg	4.40E+02	ND	1.44E+01		3.06E+01		poss-ND
SD	AES	HA01005	SVOA	2,6-Dinitrotoluene	ug/kg	4.00E+02	ND	3.98E+01		1.01E+01		poss-ND
SD	AES	HA06052	SVOA	2,6-Dinitrotoluene	ug/kg	4.10E+02	ND	3.98E+01		1.03E+01		poss-ND
SD	AES	HA08005	SVOA	2,6-Dinitrotoluene	ug/kg	4.10E+02	ND	3.98E+01		1.03E+01		poss-ND
SD	AES	HA09052	SVOA	2,6-Dinitrotoluene	ug/kg	4.10E+02	ND	3.98E+01		1.03E+01		poss-ND
SD	AES	HA07005	SVOA	2,6-Dinitrotoluene	ug/kg	4.10E+02	ND	3.98E+01		1.03E+01		poss-ND
SD	AES	HA04052	SVOA	2,6-Dinitrotoluene	ug/kg	4.20E+02	ND	3.98E+01		1.06E+01		poss-ND
SD	AES	HA03005	SVOA	2,6-Dinitrotoluene	ug/kg	4.20E+02	ND	3.98E+01		1.06E+01		poss-ND
SD	AES	HA09005	SVOA	2,6-Dinitrotoluene	ug/kg	4.20E+02	ND	3.98E+01		1.06E+01		poss-ND
SD	AES	HA08052	SVOA	2,6-Dinitrotoluene	ug/kg	4.20E+02	ND	3.98E+01		1.06E+01		poss-ND
SD	AES	HA02005	SVOA	2,6-Dinitrotoluene	ug/kg	4.20E+02	ND	3.98E+01		1.06E+01		poss-ND
SD	AES	HA03052	SVOA	2,6-Dinitrotoluene	ug/kg	4.30E+02	ND	3.98E+01		1.08E+01		poss-ND
SD	AES	HA07052	SVOA	2,6-Dinitrotoluene	ug/kg	4.30E+02	ND	3.98E+01		1.08E+01		poss-ND
SD	AES	HA05052	SVOA	2,6-Dinitrotoluene	ug/kg	4.30E+02	ND	3.98E+01		1.08E+01		poss-ND
SD	AES	HA06005	SVOA	2,6-Dinitrotoluene	ug/kg	4.30E+02	ND	3.98E+01		1.08E+01		poss-ND
SD	AES	HA02052	SVOA	2,6-Dinitrotoluene	ug/kg	4.30E+02	ND	3.98E+01		1.08E+01		poss-ND
SD	AES	HA04005	SVOA	2,6-Dinitrotoluene	ug/kg	4.40E+02	ND	3.98E+01		1.11E+01		poss-ND
SD	AES	HA05005	SVOA	2,6-Dinitrotoluene	ug/kg	4.40E+02	ND	3.98E+01		1.11E+01		poss-ND
SD	AES	HA10005	SVOA	2,6-Dinitrotoluene	ug/kg	4.40E+02	ND	3.98E+01		1.11E+01		poss-ND
SD	AES	HA10052	SVOA	2,6-Dinitrotoluene	ug/kg	4.40E+02	ND	3.98E+01		1.11E+01		poss-ND
SD	AES	HA01052	SVOA	2,6-Dinitrotoluene	ug/kg	4.40E+02	ND	3.98E+01		1.11E+01		poss-ND
SD	AES	HA01005	SVOA	2-Chloronaphthalene	ug/kg	4.00E+02	ND	4.17E+02		9.59E-01		none
SD	AES	HA06052	SVOA	2-Chloronaphthalene	ug/kg	4.10E+02	ND	4.17E+02		9.83E-01		none
SD	AES	HA08005	SVOA	2-Chloronaphthalene	ug/kg	4.10E+02	ND	4.17E+02		9.83E-01		none
SD	AES	HA09052	SVOA	2-Chloronaphthalene	ug/kg	4.10E+02	ND	4.17E+02		9.83E-01		none
SD	AES	HA07005	SVOA	2-Chloronaphthalene	ug/kg	4.10E+02	ND	4.17E+02		9.83E-01		none
SD	AES	HA04052	SVOA	2-Chloronaphthalene	ug/kg	4.20E+02	ND	4.17E+02		1.01E+00		poss-ND
SD	AES	HA03005	SVOA	2-Chloronaphthalene	ug/kg	4.20E+02	ND	4.17E+02		1.01E+00		poss-ND
SD	AES	HA09005	SVOA	2-Chloronaphthalene	ug/kg	4.20E+02	ND	4.17E+02		1.01E+00		poss-ND
SD	AES	HA08052	SVOA	2-Chloronaphthalene	ug/kg	4.20E+02	ND	4.17E+02		1.01E+00		poss-ND
SD	AES	HA02005	SVOA	2-Chloronaphthalene	ug/kg	4.20E+02	ND	4.17E+02		1.01E+00		poss-ND
SD	AES	HA03052	SVOA	2-Chloronaphthalene	ug/kg	4.30E+02	ND	4.17E+02		1.03E+00		poss-ND
SD	AES	HA07052	SVOA	2-Chloronaphthalene	ug/kg	4.30E+02	ND	4.17E+02		1.03E+00		poss-ND
SD	AES	HA05052	SVOA	2-Chloronaphthalene	ug/kg	4.30E+02	ND	4.17E+02		1.03E+00		poss-ND
SD	AES	HA06005	SVOA	2-Chloronaphthalene	ug/kg	4.30E+02	ND	4.17E+02		1.03E+00		poss-ND
SD	AES	HA02052	SVOA	2-Chloronaphthalene	ug/kg	4.30E+02	ND	4.17E+02		1.03E+00		poss-ND
SD	AES	HA04005	SVOA	2-Chloronaphthalene	ug/kg	4.40E+02	ND	4.17E+02		1.06E+00		poss-ND
SD	AES	HA05005	SVOA	2-Chloronaphthalene	ug/kg	4.40E+02	ND	4.17E+02		1.06E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA10005	SVOA	2-Chloronaphthalene	ug/kg	4.40E+02	ND	4.17E+02		1.06E+00		poss-ND
SD	AES	HA10052	SVOA	2-Chloronaphthalene	ug/kg	4.40E+02	ND	4.17E+02		1.06E+00		poss-ND
SD	AES	HA01052	SVOA	2-Chloronaphthalene	ug/kg	4.40E+02	ND	4.17E+02		1.06E+00		poss-ND
SD	AES	HA01005	SVOA	2-Chlorophenol	ug/kg	4.00E+02	ND	3.19E+01		1.25E+01		poss-ND
SD	AES	HA06052	SVOA	2-Chlorophenol	ug/kg	4.10E+02	ND	3.19E+01		1.29E+01		poss-ND
SD	AES	HA08005	SVOA	2-Chlorophenol	ug/kg	4.10E+02	ND	3.19E+01		1.29E+01		poss-ND
SD	AES	HA09052	SVOA	2-Chlorophenol	ug/kg	4.10E+02	ND	3.19E+01		1.29E+01		poss-ND
SD	AES	HA07005	SVOA	2-Chlorophenol	ug/kg	4.10E+02	ND	3.19E+01		1.29E+01		poss-ND
SD	AES	HA04052	SVOA	2-Chlorophenol	ug/kg	4.20E+02	ND	3.19E+01		1.32E+01		poss-ND
SD	AES	HA03005	SVOA	2-Chlorophenol	ug/kg	4.20E+02	ND	3.19E+01		1.32E+01		poss-ND
SD	AES	HA09005	SVOA	2-Chlorophenol	ug/kg	4.20E+02	ND	3.19E+01		1.32E+01		poss-ND
SD	AES	HA08052	SVOA	2-Chlorophenol	ug/kg	4.20E+02	ND	3.19E+01		1.32E+01		poss-ND
SD	AES	HA02005	SVOA	2-Chlorophenol	ug/kg	4.20E+02	ND	3.19E+01		1.32E+01		poss-ND
SD	AES	HA07052	SVOA	2-Chlorophenol	ug/kg	4.30E+02	ND	3.19E+01		1.35E+01		poss-ND
SD	AES	HA05052	SVOA	2-Chlorophenol	ug/kg	4.30E+02	ND	3.19E+01		1.35E+01		poss-ND
SD	AES	HA06005	SVOA	2-Chlorophenol	ug/kg	4.30E+02	ND	3.19E+01		1.35E+01		poss-ND
SD	AES	HA03052	SVOA	2-Chlorophenol	ug/kg	4.30E+02	ND	3.19E+01		1.35E+01		poss-ND
SD	AES	HA02052	SVOA	2-Chlorophenol	ug/kg	4.30E+02	ND	3.19E+01		1.35E+01		poss-ND
SD	AES	HA04005	SVOA	2-Chlorophenol	ug/kg	4.40E+02	ND	3.19E+01		1.38E+01		poss-ND
SD	AES	HA05005	SVOA	2-Chlorophenol	ug/kg	4.40E+02	ND	3.19E+01		1.38E+01		poss-ND
SD	AES	HA10005	SVOA	2-Chlorophenol	ug/kg	4.40E+02	ND	3.19E+01		1.38E+01		poss-ND
SD	AES	HA10052	SVOA	2-Chlorophenol	ug/kg	4.40E+02	ND	3.19E+01		1.38E+01		poss-ND
SD	AES	HA01052	SVOA	2-Chlorophenol	ug/kg	4.40E+02	ND	3.19E+01		1.38E+01		poss-ND
SD	AES	HA01005	SVOA	2-Methylnaphthalene	ug/kg	4.00E+02	ND	3.30E+02		1.21E+00		poss-ND
SD	AES	HA06052	SVOA	2-Methylnaphthalene	ug/kg	4.10E+02	ND	3.30E+02		1.24E+00		poss-ND
SD	AES	HA08005	SVOA	2-Methylnaphthalene	ug/kg	4.10E+02	ND	3.30E+02		1.24E+00		poss-ND
SD	AES	HA09052	SVOA	2-Methylnaphthalene	ug/kg	4.10E+02	ND	3.30E+02		1.24E+00		poss-ND
SD	AES	HA07005	SVOA	2-Methylnaphthalene	ug/kg	4.10E+02	ND	3.30E+02		1.24E+00		poss-ND
SD	AES	HA03005	SVOA	2-Methylnaphthalene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA09005	SVOA	2-Methylnaphthalene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA08052	SVOA	2-Methylnaphthalene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA04052	SVOA	2-Methylnaphthalene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA02005	SVOA	2-Methylnaphthalene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA03052	SVOA	2-Methylnaphthalene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA07052	SVOA	2-Methylnaphthalene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA05052	SVOA	2-Methylnaphthalene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA06005	SVOA	2-Methylnaphthalene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA02052	SVOA	2-Methylnaphthalene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA04005	SVOA	2-Methylnaphthalene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA05005	SVOA	2-Methylnaphthalene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA10005	SVOA	2-Methylnaphthalene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA10052	SVOA	2-Methylnaphthalene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA01052	SVOA	2-Methylnaphthalene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA01005	SVOA	2-Methylphenol	ug/kg	4.00E+02	ND	5.54E+01		7.22E+00		poss-ND
SD	AES	HA06052	SVOA	2-Methylphenol	ug/kg	4.10E+02	ND	5.54E+01		7.40E+00		poss-ND
SD	AES	HA08005	SVOA	2-Methylphenol	ug/kg	4.10E+02	ND	5.54E+01		7.40E+00		poss-ND
SD	AES	HA09052	SVOA	2-Methylphenol	ug/kg	4.10E+02	ND	5.54E+01		7.40E+00		poss-ND
SD	AES	HA07005	SVOA	2-Methylphenol	ug/kg	4.10E+02	ND	5.54E+01		7.40E+00		poss-ND
SD	AES	HA04052	SVOA	2-Methylphenol	ug/kg	4.20E+02	ND	5.54E+01		7.58E+00		poss-ND
SD	AES	HA03005	SVOA	2-Methylphenol	ug/kg	4.20E+02	ND	5.54E+01		7.58E+00		poss-ND
SD	AES	HA08052	SVOA	2-Methylphenol	ug/kg	4.20E+02	ND	5.54E+01		7.58E+00		poss-ND
SD	AES	HA09005	SVOA	2-Methylphenol	ug/kg	4.20E+02	ND	5.54E+01		7.58E+00		poss-ND
SD	AES	HA02005	SVOA	2-Methylphenol	ug/kg	4.20E+02	ND	5.54E+01		7.58E+00		poss-ND
SD	AES	HA03052	SVOA	2-Methylphenol	ug/kg	4.30E+02	ND	5.54E+01		7.76E+00		poss-ND
SD	AES	HA07052	SVOA	2-Methylphenol	ug/kg	4.30E+02	ND	5.54E+01		7.76E+00		poss-ND
SD	AES	HA05052	SVOA	2-Methylphenol	ug/kg	4.30E+02	ND	5.54E+01		7.76E+00		poss-ND
SD	AES	HA06005	SVOA	2-Methylphenol	ug/kg	4.30E+02	ND	5.54E+01		7.76E+00		poss-ND
SD	AES	HA02052	SVOA	2-Methylphenol	ug/kg	4.30E+02	ND	5.54E+01		7.76E+00		poss-ND
SD	AES	HA04005	SVOA	2-Methylphenol	ug/kg	4.40E+02	ND	5.54E+01		7.94E+00		poss-ND
SD	AES	HA05005	SVOA	2-Methylphenol	ug/kg	4.40E+02	ND	5.54E+01		7.94E+00		poss-ND
SD	AES	HA10005	SVOA	2-Methylphenol	ug/kg	4.40E+02	ND	5.54E+01		7.94E+00		poss-ND
SD	AES	HA10052	SVOA	2-Methylphenol	ug/kg	4.40E+02	ND	5.54E+01		7.94E+00		poss-ND
SD	AES	HA01052	SVOA	2-Methylphenol	ug/kg	4.40E+02	ND	5.54E+01		7.94E+00		poss-ND
SD	AES	HA01005	SVOA	3,3'-Dichlorobenzidine	ug/kg	1.90E+03	ND	1.27E+02		1.50E+01		poss-ND
SD	AES	HA03005	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.00E+03	ND	1.27E+02		1.57E+01		poss-ND
SD	AES	HA08052	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.00E+03	ND	1.27E+02		1.57E+01		poss-ND
SD	AES	HA06052	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.00E+03	ND	1.27E+02		1.57E+01		poss-ND
SD	AES	HA08005	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.00E+03	ND	1.27E+02		1.57E+01		poss-ND
SD	AES	HA09052	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.00E+03	ND	1.27E+02		1.57E+01		poss-ND
SD	AES	HA07005	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.00E+03	ND	1.27E+02		1.57E+01		poss-ND
SD	AES	HA02005	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.00E+03	ND	1.27E+02		1.57E+01		poss-ND
SD	AES	HA03052	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.10E+03	ND	1.27E+02		1.65E+01		poss-ND
SD	AES	HA07052	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.10E+03	ND	1.27E+02		1.65E+01		poss-ND
SD	AES	HA04005	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.10E+03	ND	1.27E+02		1.65E+01		poss-ND
SD	AES	HA05005	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.10E+03	ND	1.27E+02		1.65E+01		poss-ND
SD	AES	HA04052	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.10E+03	ND	1.27E+02		1.65E+01		poss-ND
SD	AES	HA05052	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.10E+03	ND	1.27E+02		1.65E+01		poss-ND
SD	AES	HA10005	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.10E+03	ND	1.27E+02		1.65E+01		poss-ND
SD	AES	HA09005	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.10E+03	ND	1.27E+02		1.65E+01		poss-ND
SD	AES	HA06005	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.10E+03	ND	1.27E+02		1.65E+01		poss-ND
SD	AES	HA10052	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.10E+03	ND	1.27E+02		1.65E+01		poss-ND
SD	AES	HA02052	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.10E+03	ND	1.27E+02		1.65E+01		poss-ND
SD	AES	HA01052	SVOA	3,3'-Dichlorobenzidine	ug/kg	2.20E+03	ND	1.27E+02		1.73E+01		poss-ND
SD	AES	HA01005	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	1.90E+03	ND	1.04E+02		1.83E+01		poss-ND
SD	AES	HA03005	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.00E+03	ND	1.04E+02		1.92E+01		poss-ND
SD	AES	HA08052	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.00E+03	ND	1.04E+02		1.92E+01		poss-ND
SD	AES	HA06052	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.00E+03	ND	1.04E+02		1.92E+01		poss-ND
SD	AES	HA08005	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.00E+03	ND	1.04E+02		1.92E+01		poss-ND
SD	AES	HA09052	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.00E+03	ND	1.04E+02		1.92E+01		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA07005	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.00E+03	ND	1.04E+02		1.92E+01		poss-ND
SD	AES	HA02005	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.00E+03	ND	1.04E+02		1.92E+01		poss-ND
SD	AES	HA03052	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.10E+03	ND	1.04E+02		2.02E+01		poss-ND
SD	AES	HA07052	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.10E+03	ND	1.04E+02		2.02E+01		poss-ND
SD	AES	HA04005	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.10E+03	ND	1.04E+02		2.02E+01		poss-ND
SD	AES	HA05005	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.10E+03	ND	1.04E+02		2.02E+01		poss-ND
SD	AES	HA04052	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.10E+03	ND	1.04E+02		2.02E+01		poss-ND
SD	AES	HA05052	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.10E+03	ND	1.04E+02		2.02E+01		poss-ND
SD	AES	HA10005	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.10E+03	ND	1.04E+02		2.02E+01		poss-ND
SD	AES	HA09005	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.10E+03	ND	1.04E+02		2.02E+01		poss-ND
SD	AES	HA06005	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.10E+03	ND	1.04E+02		2.02E+01		poss-ND
SD	AES	HA10052	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.10E+03	ND	1.04E+02		2.02E+01		poss-ND
SD	AES	HA02052	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.10E+03	ND	1.04E+02		2.02E+01		poss-ND
SD	AES	HA01052	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	2.20E+03	ND	1.04E+02		2.12E+01		poss-ND
SD	AES	HA01005	SVOA	4-Bromophenylphenyl ether	ug/kg	4.00E+02	ND	1.30E+03		3.08E-01		none
SD	AES	HA06052	SVOA	4-Bromophenylphenyl ether	ug/kg	4.10E+02	ND	1.30E+03		3.15E-01		none
SD	AES	HA08005	SVOA	4-Bromophenylphenyl ether	ug/kg	4.10E+02	ND	1.30E+03		3.15E-01		none
SD	AES	HA09052	SVOA	4-Bromophenylphenyl ether	ug/kg	4.10E+02	ND	1.30E+03		3.15E-01		none
SD	AES	HA07005	SVOA	4-Bromophenylphenyl ether	ug/kg	4.10E+02	ND	1.30E+03		3.15E-01		none
SD	AES	HA04052	SVOA	4-Bromophenylphenyl ether	ug/kg	4.20E+02	ND	1.30E+03		3.23E-01		none
SD	AES	HA03005	SVOA	4-Bromophenylphenyl ether	ug/kg	4.20E+02	ND	1.30E+03		3.23E-01		none
SD	AES	HA08052	SVOA	4-Bromophenylphenyl ether	ug/kg	4.20E+02	ND	1.30E+03		3.23E-01		none
SD	AES	HA09005	SVOA	4-Bromophenylphenyl ether	ug/kg	4.20E+02	ND	1.30E+03		3.23E-01		none
SD	AES	HA02005	SVOA	4-Bromophenylphenyl ether	ug/kg	4.20E+02	ND	1.30E+03		3.23E-01		none
SD	AES	HA03052	SVOA	4-Bromophenylphenyl ether	ug/kg	4.30E+02	ND	1.30E+03		3.31E-01		none
SD	AES	HA07052	SVOA	4-Bromophenylphenyl ether	ug/kg	4.30E+02	ND	1.30E+03		3.31E-01		none
SD	AES	HA05052	SVOA	4-Bromophenylphenyl ether	ug/kg	4.30E+02	ND	1.30E+03		3.31E-01		none
SD	AES	HA06005	SVOA	4-Bromophenylphenyl ether	ug/kg	4.30E+02	ND	1.30E+03		3.31E-01		none
SD	AES	HA02052	SVOA	4-Bromophenylphenyl ether	ug/kg	4.30E+02	ND	1.30E+03		3.31E-01		none
SD	AES	HA04005	SVOA	4-Bromophenylphenyl ether	ug/kg	4.40E+02	ND	1.30E+03		3.38E-01		none
SD	AES	HA05005	SVOA	4-Bromophenylphenyl ether	ug/kg	4.40E+02	ND	1.30E+03		3.38E-01		none
SD	AES	HA10005	SVOA	4-Bromophenylphenyl ether	ug/kg	4.40E+02	ND	1.30E+03		3.38E-01		none
SD	AES	HA10052	SVOA	4-Bromophenylphenyl ether	ug/kg	4.40E+02	ND	1.30E+03		3.38E-01		none
SD	AES	HA01052	SVOA	4-Bromophenylphenyl ether	ug/kg	4.40E+02	ND	1.30E+03		3.38E-01		none
SD	AES	HA01005	SVOA	4-Chloro-3-methylphenol	ug/kg	4.00E+02	ND	3.88E+02		1.03E+00		poss-ND
SD	AES	HA06052	SVOA	4-Chloro-3-methylphenol	ug/kg	4.10E+02	ND	3.88E+02		1.06E+00		poss-ND
SD	AES	HA08005	SVOA	4-Chloro-3-methylphenol	ug/kg	4.10E+02	ND	3.88E+02		1.06E+00		poss-ND
SD	AES	HA09052	SVOA	4-Chloro-3-methylphenol	ug/kg	4.10E+02	ND	3.88E+02		1.06E+00		poss-ND
SD	AES	HA07005	SVOA	4-Chloro-3-methylphenol	ug/kg	4.10E+02	ND	3.88E+02		1.06E+00		poss-ND
SD	AES	HA04052	SVOA	4-Chloro-3-methylphenol	ug/kg	4.20E+02	ND	3.88E+02		1.08E+00		poss-ND
SD	AES	HA03005	SVOA	4-Chloro-3-methylphenol	ug/kg	4.20E+02	ND	3.88E+02		1.08E+00		poss-ND
SD	AES	HA08052	SVOA	4-Chloro-3-methylphenol	ug/kg	4.20E+02	ND	3.88E+02		1.08E+00		poss-ND
SD	AES	HA09005	SVOA	4-Chloro-3-methylphenol	ug/kg	4.20E+02	ND	3.88E+02		1.08E+00		poss-ND
SD	AES	HA02005	SVOA	4-Chloro-3-methylphenol	ug/kg	4.20E+02	ND	3.88E+02		1.08E+00		poss-ND
SD	AES	HA03052	SVOA	4-Chloro-3-methylphenol	ug/kg	4.30E+02	ND	3.88E+02		1.11E+00		poss-ND
SD	AES	HA07052	SVOA	4-Chloro-3-methylphenol	ug/kg	4.30E+02	ND	3.88E+02		1.11E+00		poss-ND
SD	AES	HA05052	SVOA	4-Chloro-3-methylphenol	ug/kg	4.30E+02	ND	3.88E+02		1.11E+00		poss-ND
SD	AES	HA06005	SVOA	4-Chloro-3-methylphenol	ug/kg	4.30E+02	ND	3.88E+02		1.11E+00		poss-ND
SD	AES	HA02052	SVOA	4-Chloro-3-methylphenol	ug/kg	4.30E+02	ND	3.88E+02		1.11E+00		poss-ND
SD	AES	HA04005	SVOA	4-Chloro-3-methylphenol	ug/kg	4.40E+02	ND	3.88E+02		1.13E+00		poss-ND
SD	AES	HA05005	SVOA	4-Chloro-3-methylphenol	ug/kg	4.40E+02	ND	3.88E+02		1.13E+00		poss-ND
SD	AES	HA10005	SVOA	4-Chloro-3-methylphenol	ug/kg	4.40E+02	ND	3.88E+02		1.13E+00		poss-ND
SD	AES	HA10052	SVOA	4-Chloro-3-methylphenol	ug/kg	4.40E+02	ND	3.88E+02		1.13E+00		poss-ND
SD	AES	HA01052	SVOA	4-Chloro-3-methylphenol	ug/kg	4.40E+02	ND	3.88E+02		1.13E+00		poss-ND
SD	AES	HA01005	SVOA	4-Chloroaniline	ug/kg	4.00E+02	ND	1.46E+02		2.74E+00		poss-ND
SD	AES	HA06052	SVOA	4-Chloroaniline	ug/kg	4.10E+02	ND	1.46E+02		2.81E+00		poss-ND
SD	AES	HA09052	SVOA	4-Chloroaniline	ug/kg	4.10E+02	ND	1.46E+02		2.81E+00		poss-ND
SD	AES	HA08005	SVOA	4-Chloroaniline	ug/kg	4.10E+02	ND	1.46E+02		2.81E+00		poss-ND
SD	AES	HA07005	SVOA	4-Chloroaniline	ug/kg	4.10E+02	ND	1.46E+02		2.81E+00		poss-ND
SD	AES	HA04052	SVOA	4-Chloroaniline	ug/kg	4.20E+02	ND	1.46E+02		2.88E+00		poss-ND
SD	AES	HA03005	SVOA	4-Chloroaniline	ug/kg	4.20E+02	ND	1.46E+02		2.88E+00		poss-ND
SD	AES	HA08052	SVOA	4-Chloroaniline	ug/kg	4.20E+02	ND	1.46E+02		2.88E+00		poss-ND
SD	AES	HA09005	SVOA	4-Chloroaniline	ug/kg	4.20E+02	ND	1.46E+02		2.88E+00		poss-ND
SD	AES	HA02005	SVOA	4-Chloroaniline	ug/kg	4.20E+02	ND	1.46E+02		2.88E+00		poss-ND
SD	AES	HA03052	SVOA	4-Chloroaniline	ug/kg	4.30E+02	ND	1.46E+02		2.95E+00		poss-ND
SD	AES	HA07052	SVOA	4-Chloroaniline	ug/kg	4.30E+02	ND	1.46E+02		2.95E+00		poss-ND
SD	AES	HA05052	SVOA	4-Chloroaniline	ug/kg	4.30E+02	ND	1.46E+02		2.95E+00		poss-ND
SD	AES	HA06005	SVOA	4-Chloroaniline	ug/kg	4.30E+02	ND	1.46E+02		2.95E+00		poss-ND
SD	AES	HA02052	SVOA	4-Chloroaniline	ug/kg	4.30E+02	ND	1.46E+02		2.95E+00		poss-ND
SD	AES	HA04005	SVOA	4-Chloroaniline	ug/kg	4.40E+02	ND	1.46E+02		3.01E+00		poss-ND
SD	AES	HA05005	SVOA	4-Chloroaniline	ug/kg	4.40E+02	ND	1.46E+02		3.01E+00		poss-ND
SD	AES	HA10005	SVOA	4-Chloroaniline	ug/kg	4.40E+02	ND	1.46E+02		3.01E+00		poss-ND
SD	AES	HA10052	SVOA	4-Chloroaniline	ug/kg	4.40E+02	ND	1.46E+02		3.01E+00		poss-ND
SD	AES	HA01052	SVOA	4-Chloroaniline	ug/kg	4.40E+02	ND	1.46E+02		3.01E+00		poss-ND
SD	AES	HA01005	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.00E+02	ND	1.30E+03		3.08E-01		none
SD	AES	HA06052	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.10E+02	ND	1.30E+03		3.15E-01		none
SD	AES	HA08005	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.10E+02	ND	1.30E+03		3.15E-01		none
SD	AES	HA09052	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.10E+02	ND	1.30E+03		3.15E-01		none
SD	AES	HA07005	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.10E+02	ND	1.30E+03		3.15E-01		none
SD	AES	HA04052	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.20E+02	ND	1.30E+03		3.23E-01		none
SD	AES	HA03005	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.20E+02	ND	1.30E+03		3.23E-01		none
SD	AES	HA08052	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.20E+02	ND	1.30E+03		3.23E-01		none
SD	AES	HA09005	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.20E+02	ND	1.30E+03		3.23E-01		none
SD	AES	HA02005	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.20E+02	ND	1.30E+03		3.23E-01		none
SD	AES	HA03052	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.30E+02	ND	1.30E+03		3.31E-01		none
SD	AES	HA05052	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.30E+02	ND	1.30E+03		3.31E-01		none
SD	AES	HA07052	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.30E+02	ND	1.30E+03		3.31E-01		none
SD	AES	HA06005	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.30E+02	ND	1.30E+03		3.31E-01		none
SD	AES	HA02052	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.30E+02	ND	1.30E+03		3.31E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA04005	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.40E+02	ND	1.30E+03		3.38E-01		none
SD	AES	HA05005	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.40E+02	ND	1.30E+03		3.38E-01		none
SD	AES	HA10005	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.40E+02	ND	1.30E+03		3.38E-01		none
SD	AES	HA10052	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.40E+02	ND	1.30E+03		3.38E-01		none
SD	AES	HA01052	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.40E+02	ND	1.30E+03		3.38E-01		none
SD	AES	HA01005	SVOA	4-Methylphenol	ug/kg	4.00E+02	ND	2.02E+01		1.98E+01		poss-ND
SD	AES	HA06052	SVOA	4-Methylphenol	ug/kg	4.10E+02	ND	2.02E+01		2.03E+01		poss-ND
SD	AES	HA08005	SVOA	4-Methylphenol	ug/kg	4.10E+02	ND	2.02E+01		2.03E+01		poss-ND
SD	AES	HA09052	SVOA	4-Methylphenol	ug/kg	4.10E+02	ND	2.02E+01		2.03E+01		poss-ND
SD	AES	HA07005	SVOA	4-Methylphenol	ug/kg	4.10E+02	ND	2.02E+01		2.03E+01		poss-ND
SD	AES	HA04052	SVOA	4-Methylphenol	ug/kg	4.20E+02	ND	2.02E+01		2.08E+01		poss-ND
SD	AES	HA03005	SVOA	4-Methylphenol	ug/kg	4.20E+02	ND	2.02E+01		2.08E+01		poss-ND
SD	AES	HA08052	SVOA	4-Methylphenol	ug/kg	4.20E+02	ND	2.02E+01		2.08E+01		poss-ND
SD	AES	HA09005	SVOA	4-Methylphenol	ug/kg	4.20E+02	ND	2.02E+01		2.08E+01		poss-ND
SD	AES	HA02005	SVOA	4-Methylphenol	ug/kg	4.20E+02	ND	2.02E+01		2.08E+01		poss-ND
SD	AES	HA03052	SVOA	4-Methylphenol	ug/kg	4.30E+02	ND	2.02E+01		2.13E+01		poss-ND
SD	AES	HA05052	SVOA	4-Methylphenol	ug/kg	4.30E+02	ND	2.02E+01		2.13E+01		poss-ND
SD	AES	HA07052	SVOA	4-Methylphenol	ug/kg	4.30E+02	ND	2.02E+01		2.13E+01		poss-ND
SD	AES	HA06005	SVOA	4-Methylphenol	ug/kg	4.30E+02	ND	2.02E+01		2.13E+01		poss-ND
SD	AES	HA02052	SVOA	4-Methylphenol	ug/kg	4.30E+02	ND	2.02E+01		2.13E+01		poss-ND
SD	AES	HA04005	SVOA	4-Methylphenol	ug/kg	4.40E+02	ND	2.02E+01		2.18E+01		poss-ND
SD	AES	HA05005	SVOA	4-Methylphenol	ug/kg	4.40E+02	ND	2.02E+01		2.18E+01		poss-ND
SD	AES	HA10005	SVOA	4-Methylphenol	ug/kg	4.40E+02	ND	2.02E+01		2.18E+01		poss-ND
SD	AES	HA10052	SVOA	4-Methylphenol	ug/kg	4.40E+02	ND	2.02E+01		2.18E+01		poss-ND
SD	AES	HA01052	SVOA	4-Methylphenol	ug/kg	4.40E+02	ND	2.02E+01		2.18E+01		poss-ND
SD	AES	HA01005	SVOA	Acenaphthene	ug/kg	4.00E+02	ND	3.30E+02		1.21E+00		poss-ND
SD	AES	HA07005	SVOA	Acenaphthene	ug/kg	4.10E+02	ND	3.30E+02		1.24E+00		poss-ND
SD	AES	HA06052	SVOA	Acenaphthene	ug/kg	4.10E+02	ND	3.30E+02		1.24E+00		poss-ND
SD	AES	HA08005	SVOA	Acenaphthene	ug/kg	4.10E+02	ND	3.30E+02		1.24E+00		poss-ND
SD	AES	HA09052	SVOA	Acenaphthene	ug/kg	4.10E+02	ND	3.30E+02		1.24E+00		poss-ND
SD	AES	HA04052	SVOA	Acenaphthene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA03005	SVOA	Acenaphthene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA08052	SVOA	Acenaphthene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA09005	SVOA	Acenaphthene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA02005	SVOA	Acenaphthene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA03052	SVOA	Acenaphthene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA05052	SVOA	Acenaphthene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA07052	SVOA	Acenaphthene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA06005	SVOA	Acenaphthene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA02052	SVOA	Acenaphthene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA04005	SVOA	Acenaphthene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA05005	SVOA	Acenaphthene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA10005	SVOA	Acenaphthene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA10052	SVOA	Acenaphthene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA01052	SVOA	Acenaphthene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA01005	SVOA	Acenaphthylene	ug/kg	4.00E+02	ND	3.30E+02		1.21E+00		poss-ND
SD	AES	HA07005	SVOA	Acenaphthylene	ug/kg	4.10E+02	ND	3.30E+02		1.24E+00		poss-ND
SD	AES	HA06052	SVOA	Acenaphthylene	ug/kg	4.10E+02	ND	3.30E+02		1.24E+00		poss-ND
SD	AES	HA08005	SVOA	Acenaphthylene	ug/kg	4.10E+02	ND	3.30E+02		1.24E+00		poss-ND
SD	AES	HA09052	SVOA	Acenaphthylene	ug/kg	4.10E+02	ND	3.30E+02		1.24E+00		poss-ND
SD	AES	HA04052	SVOA	Acenaphthylene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA03005	SVOA	Acenaphthylene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA08052	SVOA	Acenaphthylene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA09005	SVOA	Acenaphthylene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA02005	SVOA	Acenaphthylene	ug/kg	4.20E+02	ND	3.30E+02		1.27E+00		poss-ND
SD	AES	HA03052	SVOA	Acenaphthylene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA05052	SVOA	Acenaphthylene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA07052	SVOA	Acenaphthylene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA06005	SVOA	Acenaphthylene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA02052	SVOA	Acenaphthylene	ug/kg	4.30E+02	ND	3.30E+02		1.30E+00		poss-ND
SD	AES	HA04005	SVOA	Acenaphthylene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA05005	SVOA	Acenaphthylene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA10005	SVOA	Acenaphthylene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA10052	SVOA	Acenaphthylene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA01052	SVOA	Acenaphthylene	ug/kg	4.40E+02	ND	3.30E+02		1.33E+00		poss-ND
SD	AES	HA01005	SVOA	Anthracene	ug/kg	4.00E+02	ND	5.72E+01	8.45E+02	6.99E+00	4.73E-01	poss-ND
SD	AES	HA07005	SVOA	Anthracene	ug/kg	4.10E+02	ND	5.72E+01	8.45E+02	7.17E+00	4.85E-01	poss-ND
SD	AES	HA06052	SVOA	Anthracene	ug/kg	4.10E+02	ND	5.72E+01	8.45E+02	7.17E+00	4.85E-01	poss-ND
SD	AES	HA08005	SVOA	Anthracene	ug/kg	4.10E+02	ND	5.72E+01	8.45E+02	7.17E+00	4.85E-01	poss-ND
SD	AES	HA09052	SVOA	Anthracene	ug/kg	4.10E+02	ND	5.72E+01	8.45E+02	7.17E+00	4.85E-01	poss-ND
SD	AES	HA04052	SVOA	Anthracene	ug/kg	4.20E+02	ND	5.72E+01	8.45E+02	7.34E+00	4.97E-01	poss-ND
SD	AES	HA03005	SVOA	Anthracene	ug/kg	4.20E+02	ND	5.72E+01	8.45E+02	7.34E+00	4.97E-01	poss-ND
SD	AES	HA08052	SVOA	Anthracene	ug/kg	4.20E+02	ND	5.72E+01	8.45E+02	7.34E+00	4.97E-01	poss-ND
SD	AES	HA09005	SVOA	Anthracene	ug/kg	4.20E+02	ND	5.72E+01	8.45E+02	7.34E+00	4.97E-01	poss-ND
SD	AES	HA02005	SVOA	Anthracene	ug/kg	4.20E+02	ND	5.72E+01	8.45E+02	7.34E+00	4.97E-01	poss-ND
SD	AES	HA03052	SVOA	Anthracene	ug/kg	4.30E+02	ND	5.72E+01	8.45E+02	7.52E+00	5.09E-01	poss-ND
SD	AES	HA05052	SVOA	Anthracene	ug/kg	4.30E+02	ND	5.72E+01	8.45E+02	7.52E+00	5.09E-01	poss-ND
SD	AES	HA07052	SVOA	Anthracene	ug/kg	4.30E+02	ND	5.72E+01	8.45E+02	7.52E+00	5.09E-01	poss-ND
SD	AES	HA06005	SVOA	Anthracene	ug/kg	4.30E+02	ND	5.72E+01	8.45E+02	7.52E+00	5.09E-01	poss-ND
SD	AES	HA02052	SVOA	Anthracene	ug/kg	4.30E+02	ND	5.72E+01	8.45E+02	7.52E+00	5.09E-01	poss-ND
SD	AES	HA04005	SVOA	Anthracene	ug/kg	4.40E+02	ND	5.72E+01	8.45E+02	7.69E+00	5.21E-01	poss-ND
SD	AES	HA05005	SVOA	Anthracene	ug/kg	4.40E+02	ND	5.72E+01	8.45E+02	7.69E+00	5.21E-01	poss-ND
SD	AES	HA10005	SVOA	Anthracene	ug/kg	4.40E+02	ND	5.72E+01	8.45E+02	7.69E+00	5.21E-01	poss-ND
SD	AES	HA10052	SVOA	Anthracene	ug/kg	4.40E+02	ND	5.72E+01	8.45E+02	7.69E+00	5.21E-01	poss-ND
SD	AES	HA01052	SVOA	Anthracene	ug/kg	4.40E+02	ND	5.72E+01	8.45E+02	7.69E+00	5.21E-01	poss-ND
SD	AES	HA01005	SVOA	Benzo(a)anthracene	ug/kg	4.00E+02	ND	1.08E+02	1.05E+03	3.70E+00	3.81E-01	poss-ND
SD	AES	HA07005	SVOA	Benzo(a)anthracene	ug/kg	4.10E+02	ND	1.08E+02	1.05E+03	3.80E+00	3.90E-01	poss-ND
SD	AES	HA06052	SVOA	Benzo(a)anthracene	ug/kg	4.10E+02	ND	1.08E+02	1.05E+03	3.80E+00	3.90E-01	poss-ND
SD	AES	HA08005	SVOA	Benzo(a)anthracene	ug/kg	4.10E+02	ND	1.08E+02	1.05E+03	3.80E+00	3.90E-01	poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA09052	SVOA	Benzo(a)anthracene	ug/kg	4.10E+02	ND	1.08E+02	1.05E+03	3.80E+00	3.90E-01	poss-ND
SD	AES	HA04052	SVOA	Benzo(a)anthracene	ug/kg	4.20E+02	ND	1.08E+02	1.05E+03	3.89E+00	4.00E-01	poss-ND
SD	AES	HA03005	SVOA	Benzo(a)anthracene	ug/kg	4.20E+02	ND	1.08E+02	1.05E+03	3.89E+00	4.00E-01	poss-ND
SD	AES	HA08052	SVOA	Benzo(a)anthracene	ug/kg	4.20E+02	ND	1.08E+02	1.05E+03	3.89E+00	4.00E-01	poss-ND
SD	AES	HA09005	SVOA	Benzo(a)anthracene	ug/kg	4.20E+02	ND	1.08E+02	1.05E+03	3.89E+00	4.00E-01	poss-ND
SD	AES	HA02005	SVOA	Benzo(a)anthracene	ug/kg	4.20E+02	ND	1.08E+02	1.05E+03	3.89E+00	4.00E-01	poss-ND
SD	AES	HA03052	SVOA	Benzo(a)anthracene	ug/kg	4.30E+02	ND	1.08E+02	1.05E+03	3.98E+00	4.10E-01	poss-ND
SD	AES	HA05052	SVOA	Benzo(a)anthracene	ug/kg	4.30E+02	ND	1.08E+02	1.05E+03	3.98E+00	4.10E-01	poss-ND
SD	AES	HA07052	SVOA	Benzo(a)anthracene	ug/kg	4.30E+02	ND	1.08E+02	1.05E+03	3.98E+00	4.10E-01	poss-ND
SD	AES	HA06005	SVOA	Benzo(a)anthracene	ug/kg	4.30E+02	ND	1.08E+02	1.05E+03	3.98E+00	4.10E-01	poss-ND
SD	AES	HA02052	SVOA	Benzo(a)anthracene	ug/kg	4.30E+02	ND	1.08E+02	1.05E+03	3.98E+00	4.10E-01	poss-ND
SD	AES	HA04005	SVOA	Benzo(a)anthracene	ug/kg	4.40E+02	ND	1.08E+02	1.05E+03	4.07E+00	4.19E-01	poss-ND
SD	AES	HA05005	SVOA	Benzo(a)anthracene	ug/kg	4.40E+02	ND	1.08E+02	1.05E+03	4.07E+00	4.19E-01	poss-ND
SD	AES	HA10005	SVOA	Benzo(a)anthracene	ug/kg	4.40E+02	ND	1.08E+02	1.05E+03	4.07E+00	4.19E-01	poss-ND
SD	AES	HA10052	SVOA	Benzo(a)anthracene	ug/kg	4.40E+02	ND	1.08E+02	1.05E+03	4.07E+00	4.19E-01	poss-ND
SD	AES	HA01052	SVOA	Benzo(a)anthracene	ug/kg	4.40E+02	ND	1.08E+02	1.05E+03	4.07E+00	4.19E-01	poss-ND
SD	AES	HA01005	SVOA	Benzo(a)pyrene	ug/kg	4.00E+02	ND	1.50E+02	1.45E+03	2.67E+00	2.76E-01	poss-ND
SD	AES	HA07005	SVOA	Benzo(a)pyrene	ug/kg	4.10E+02	ND	1.50E+02	1.45E+03	2.73E+00	2.83E-01	poss-ND
SD	AES	HA06052	SVOA	Benzo(a)pyrene	ug/kg	4.10E+02	ND	1.50E+02	1.45E+03	2.73E+00	2.83E-01	poss-ND
SD	AES	HA08005	SVOA	Benzo(a)pyrene	ug/kg	4.10E+02	ND	1.50E+02	1.45E+03	2.73E+00	2.83E-01	poss-ND
SD	AES	HA09052	SVOA	Benzo(a)pyrene	ug/kg	4.10E+02	ND	1.50E+02	1.45E+03	2.73E+00	2.83E-01	poss-ND
SD	AES	HA04052	SVOA	Benzo(a)pyrene	ug/kg	4.20E+02	ND	1.50E+02	1.45E+03	2.80E+00	2.90E-01	poss-ND
SD	AES	HA03005	SVOA	Benzo(a)pyrene	ug/kg	4.20E+02	ND	1.50E+02	1.45E+03	2.80E+00	2.90E-01	poss-ND
SD	AES	HA08052	SVOA	Benzo(a)pyrene	ug/kg	4.20E+02	ND	1.50E+02	1.45E+03	2.80E+00	2.90E-01	poss-ND
SD	AES	HA09005	SVOA	Benzo(a)pyrene	ug/kg	4.20E+02	ND	1.50E+02	1.45E+03	2.80E+00	2.90E-01	poss-ND
SD	AES	HA02005	SVOA	Benzo(a)pyrene	ug/kg	4.20E+02	ND	1.50E+02	1.45E+03	2.80E+00	2.90E-01	poss-ND
SD	AES	HA03052	SVOA	Benzo(a)pyrene	ug/kg	4.30E+02	ND	1.50E+02	1.45E+03	2.87E+00	2.97E-01	poss-ND
SD	AES	HA05052	SVOA	Benzo(a)pyrene	ug/kg	4.30E+02	ND	1.50E+02	1.45E+03	2.87E+00	2.97E-01	poss-ND
SD	AES	HA07052	SVOA	Benzo(a)pyrene	ug/kg	4.30E+02	ND	1.50E+02	1.45E+03	2.87E+00	2.97E-01	poss-ND
SD	AES	HA06005	SVOA	Benzo(a)pyrene	ug/kg	4.30E+02	ND	1.50E+02	1.45E+03	2.87E+00	2.97E-01	poss-ND
SD	AES	HA02052	SVOA	Benzo(a)pyrene	ug/kg	4.30E+02	ND	1.50E+02	1.45E+03	2.87E+00	2.97E-01	poss-ND
SD	AES	HA05005	SVOA	Benzo(a)pyrene	ug/kg	4.40E+02	ND	1.50E+02	1.45E+03	2.93E+00	3.03E-01	poss-ND
SD	AES	HA10005	SVOA	Benzo(a)pyrene	ug/kg	4.40E+02	ND	1.50E+02	1.45E+03	2.93E+00	3.03E-01	poss-ND
SD	AES	HA10052	SVOA	Benzo(a)pyrene	ug/kg	4.40E+02	ND	1.50E+02	1.45E+03	2.93E+00	3.03E-01	poss-ND
SD	AES	HA01052	SVOA	Benzo(a)pyrene	ug/kg	4.40E+02	ND	1.50E+02	1.45E+03	2.93E+00	3.03E-01	poss-ND
SD	AES	HA04005	SVOA	Benzo(a)pyrene	ug/kg	4.40E+02	ND	1.50E+02	1.45E+03	2.93E+00	3.03E-01	poss-ND
SD	AES	HA01005	SVOA	Benzo(b)fluoranthene	ug/kg	4.00E+02	ND	1.04E+04		3.85E-02		none
SD	AES	HA07005	SVOA	Benzo(b)fluoranthene	ug/kg	4.10E+02	ND	1.04E+04		3.94E-02		none
SD	AES	HA06052	SVOA	Benzo(b)fluoranthene	ug/kg	4.10E+02	ND	1.04E+04		3.94E-02		none
SD	AES	HA08005	SVOA	Benzo(b)fluoranthene	ug/kg	4.10E+02	ND	1.04E+04		3.94E-02		none
SD	AES	HA09052	SVOA	Benzo(b)fluoranthene	ug/kg	4.10E+02	ND	1.04E+04		3.94E-02		none
SD	AES	HA04052	SVOA	Benzo(b)fluoranthene	ug/kg	4.20E+02	ND	1.04E+04		4.04E-02		none
SD	AES	HA03005	SVOA	Benzo(b)fluoranthene	ug/kg	4.20E+02	ND	1.04E+04		4.04E-02		none
SD	AES	HA08052	SVOA	Benzo(b)fluoranthene	ug/kg	4.20E+02	ND	1.04E+04		4.04E-02		none
SD	AES	HA09005	SVOA	Benzo(b)fluoranthene	ug/kg	4.20E+02	ND	1.04E+04		4.04E-02		none
SD	AES	HA02005	SVOA	Benzo(b)fluoranthene	ug/kg	4.20E+02	ND	1.04E+04		4.04E-02		none
SD	AES	HA03052	SVOA	Benzo(b)fluoranthene	ug/kg	4.30E+02	ND	1.04E+04		4.13E-02		none
SD	AES	HA05052	SVOA	Benzo(b)fluoranthene	ug/kg	4.30E+02	ND	1.04E+04		4.13E-02		none
SD	AES	HA07052	SVOA	Benzo(b)fluoranthene	ug/kg	4.30E+02	ND	1.04E+04		4.13E-02		none
SD	AES	HA06005	SVOA	Benzo(b)fluoranthene	ug/kg	4.30E+02	ND	1.04E+04		4.13E-02		none
SD	AES	HA02052	SVOA	Benzo(b)fluoranthene	ug/kg	4.30E+02	ND	1.04E+04		4.13E-02		none
SD	AES	HA10005	SVOA	Benzo(b)fluoranthene	ug/kg	4.40E+02	ND	1.04E+04		4.23E-02		none
SD	AES	HA10052	SVOA	Benzo(b)fluoranthene	ug/kg	4.40E+02	ND	1.04E+04		4.23E-02		none
SD	AES	HA01052	SVOA	Benzo(b)fluoranthene	ug/kg	4.40E+02	ND	1.04E+04		4.23E-02		none
SD	AES	HA04005	SVOA	Benzo(b)fluoranthene	ug/kg	4.40E+02	ND	1.04E+04		4.23E-02		none
SD	AES	HA05005	SVOA	Benzo(b)fluoranthene	ug/kg	4.40E+02	ND	1.04E+04		4.23E-02		none
SD	AES	HA01005	SVOA	Benzo(g,h,i)perylene	ug/kg	4.00E+02	ND	2.90E+02	6.30E+03	1.38E+00	6.35E-02	poss-ND
SD	AES	HA07005	SVOA	Benzo(g,h,i)perylene	ug/kg	4.10E+02	ND	2.90E+02	6.30E+03	1.41E+00	6.51E-02	poss-ND
SD	AES	HA06052	SVOA	Benzo(g,h,i)perylene	ug/kg	4.10E+02	ND	2.90E+02	6.30E+03	1.41E+00	6.51E-02	poss-ND
SD	AES	HA08005	SVOA	Benzo(g,h,i)perylene	ug/kg	4.10E+02	ND	2.90E+02	6.30E+03	1.41E+00	6.51E-02	poss-ND
SD	AES	HA09052	SVOA	Benzo(g,h,i)perylene	ug/kg	4.10E+02	ND	2.90E+02	6.30E+03	1.41E+00	6.51E-02	poss-ND
SD	AES	HA04052	SVOA	Benzo(g,h,i)perylene	ug/kg	4.20E+02	ND	2.90E+02	6.30E+03	1.45E+00	6.67E-02	poss-ND
SD	AES	HA03005	SVOA	Benzo(g,h,i)perylene	ug/kg	4.20E+02	ND	2.90E+02	6.30E+03	1.45E+00	6.67E-02	poss-ND
SD	AES	HA08052	SVOA	Benzo(g,h,i)perylene	ug/kg	4.20E+02	ND	2.90E+02	6.30E+03	1.45E+00	6.67E-02	poss-ND
SD	AES	HA09005	SVOA	Benzo(g,h,i)perylene	ug/kg	4.20E+02	ND	2.90E+02	6.30E+03	1.45E+00	6.67E-02	poss-ND
SD	AES	HA02005	SVOA	Benzo(g,h,i)perylene	ug/kg	4.20E+02	ND	2.90E+02	6.30E+03	1.45E+00	6.67E-02	poss-ND
SD	AES	HA03052	SVOA	Benzo(g,h,i)perylene	ug/kg	4.30E+02	ND	2.90E+02	6.30E+03	1.48E+00	6.83E-02	poss-ND
SD	AES	HA05052	SVOA	Benzo(g,h,i)perylene	ug/kg	4.30E+02	ND	2.90E+02	6.30E+03	1.48E+00	6.83E-02	poss-ND
SD	AES	HA07052	SVOA	Benzo(g,h,i)perylene	ug/kg	4.30E+02	ND	2.90E+02	6.30E+03	1.48E+00	6.83E-02	poss-ND
SD	AES	HA06005	SVOA	Benzo(g,h,i)perylene	ug/kg	4.30E+02	ND	2.90E+02	6.30E+03	1.48E+00	6.83E-02	poss-ND
SD	AES	HA02052	SVOA	Benzo(g,h,i)perylene	ug/kg	4.30E+02	ND	2.90E+02	6.30E+03	1.48E+00	6.83E-02	poss-ND
SD	AES	HA05005	SVOA	Benzo(g,h,i)perylene	ug/kg	4.40E+02	ND	2.90E+02	6.30E+03	1.52E+00	6.98E-02	poss-ND
SD	AES	HA10005	SVOA	Benzo(g,h,i)perylene	ug/kg	4.40E+02	ND	2.90E+02	6.30E+03	1.52E+00	6.98E-02	poss-ND
SD	AES	HA10052	SVOA	Benzo(g,h,i)perylene	ug/kg	4.40E+02	ND	2.90E+02	6.30E+03	1.52E+00	6.98E-02	poss-ND
SD	AES	HA01052	SVOA	Benzo(g,h,i)perylene	ug/kg	4.40E+02	ND	2.90E+02	6.30E+03	1.52E+00	6.98E-02	poss-ND
SD	AES	HA04005	SVOA	Benzo(g,h,i)perylene	ug/kg	4.40E+02	ND	2.90E+02	6.30E+03	1.52E+00	6.98E-02	poss-ND
SD	AES	HA01005	SVOA	Benzo(k)fluoranthene	ug/kg	4.00E+02	ND	2.40E+02		1.67E+00		poss-ND
SD	AES	HA07005	SVOA	Benzo(k)fluoranthene	ug/kg	4.10E+02	ND	2.40E+02		1.71E+00		poss-ND
SD	AES	HA06052	SVOA	Benzo(k)fluoranthene	ug/kg	4.10E+02	ND	2.40E+02		1.71E+00		poss-ND
SD	AES	HA08005	SVOA	Benzo(k)fluoranthene	ug/kg	4.10E+02	ND	2.40E+02		1.71E+00		poss-ND
SD	AES	HA09052	SVOA	Benzo(k)fluoranthene	ug/kg	4.10E+02	ND	2.40E+02		1.71E+00		poss-ND
SD	AES	HA04052	SVOA	Benzo(k)fluoranthene	ug/kg	4.20E+02	ND	2.40E+02		1.75E+00		poss-ND
SD	AES	HA03005	SVOA	Benzo(k)fluoranthene	ug/kg	4.20E+02	ND	2.40E+02		1.75E+00		poss-ND
SD	AES	HA08052	SVOA	Benzo(k)fluoranthene	ug/kg	4.20E+02	ND	2.40E+02		1.75E+00		poss-ND
SD	AES	HA09005	SVOA	Benzo(k)fluoranthene	ug/kg	4.20E+02	ND	2.40E+02		1.75E+00		poss-ND
SD	AES	HA02005	SVOA	Benzo(k)fluoranthene	ug/kg	4.20E+02	ND	2.40E+02		1.75E+00		poss-ND
SD	AES	HA03052	SVOA	Benzo(k)fluoranthene	ug/kg	4.30E+02	ND	2.40E+02		1.79E+00		poss-ND
SD	AES	HA05052	SVOA	Benzo(k)fluoranthene	ug/kg	4.30E+02	ND	2.40E+02		1.79E+00		poss-ND
SD	AES	HA07052	SVOA	Benzo(k)fluoranthene	ug/kg	4.30E+02	ND	2.40E+02		1.79E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA06005	SVOA	Benzo(k)fluoranthene	ug/kg	4.30E+02	ND	2.40E+02		1.79E+00		poss-ND
SD	AES	HA02052	SVOA	Benzo(k)fluoranthene	ug/kg	4.30E+02	ND	2.40E+02		1.79E+00		poss-ND
SD	AES	HA05005	SVOA	Benzo(k)fluoranthene	ug/kg	4.40E+02	ND	2.40E+02		1.83E+00		poss-ND
SD	AES	HA10005	SVOA	Benzo(k)fluoranthene	ug/kg	4.40E+02	ND	2.40E+02		1.83E+00		poss-ND
SD	AES	HA10052	SVOA	Benzo(k)fluoranthene	ug/kg	4.40E+02	ND	2.40E+02		1.83E+00		poss-ND
SD	AES	HA01052	SVOA	Benzo(k)fluoranthene	ug/kg	4.40E+02	ND	2.40E+02		1.83E+00		poss-ND
SD	AES	HA04005	SVOA	Benzo(k)fluoranthene	ug/kg	4.40E+02	ND	2.40E+02		1.83E+00		poss-ND
SD	AES	HA01005	SVOA	Benzyl alcohol	ug/kg	4.00E+02	ND	1.04E+00		3.85E+02		poss-ND
SD	AES	HA07005	SVOA	Benzyl alcohol	ug/kg	4.10E+02	ND	1.04E+00		3.94E+02		poss-ND
SD	AES	HA06052	SVOA	Benzyl alcohol	ug/kg	4.10E+02	ND	1.04E+00		3.94E+02		poss-ND
SD	AES	HA08005	SVOA	Benzyl alcohol	ug/kg	4.10E+02	ND	1.04E+00		3.94E+02		poss-ND
SD	AES	HA09052	SVOA	Benzyl alcohol	ug/kg	4.10E+02	ND	1.04E+00		3.94E+02		poss-ND
SD	AES	HA04052	SVOA	Benzyl alcohol	ug/kg	4.20E+02	ND	1.04E+00		4.04E+02		poss-ND
SD	AES	HA03005	SVOA	Benzyl alcohol	ug/kg	4.20E+02	ND	1.04E+00		4.04E+02		poss-ND
SD	AES	HA08052	SVOA	Benzyl alcohol	ug/kg	4.20E+02	ND	1.04E+00		4.04E+02		poss-ND
SD	AES	HA09005	SVOA	Benzyl alcohol	ug/kg	4.20E+02	ND	1.04E+00		4.04E+02		poss-ND
SD	AES	HA02005	SVOA	Benzyl alcohol	ug/kg	4.20E+02	ND	1.04E+00		4.04E+02		poss-ND
SD	AES	HA03052	SVOA	Benzyl alcohol	ug/kg	4.30E+02	ND	1.04E+00		4.13E+02		poss-ND
SD	AES	HA05052	SVOA	Benzyl alcohol	ug/kg	4.30E+02	ND	1.04E+00		4.13E+02		poss-ND
SD	AES	HA07052	SVOA	Benzyl alcohol	ug/kg	4.30E+02	ND	1.04E+00		4.13E+02		poss-ND
SD	AES	HA06005	SVOA	Benzyl alcohol	ug/kg	4.30E+02	ND	1.04E+00		4.13E+02		poss-ND
SD	AES	HA02052	SVOA	Benzyl alcohol	ug/kg	4.30E+02	ND	1.04E+00		4.13E+02		poss-ND
SD	AES	HA05005	SVOA	Benzyl alcohol	ug/kg	4.40E+02	ND	1.04E+00		4.23E+02		poss-ND
SD	AES	HA10005	SVOA	Benzyl alcohol	ug/kg	4.40E+02	ND	1.04E+00		4.23E+02		poss-ND
SD	AES	HA10052	SVOA	Benzyl alcohol	ug/kg	4.40E+02	ND	1.04E+00		4.23E+02		poss-ND
SD	AES	HA01052	SVOA	Benzyl alcohol	ug/kg	4.40E+02	ND	1.04E+00		4.23E+02		poss-ND
SD	AES	HA04005	SVOA	Benzyl alcohol	ug/kg	4.40E+02	ND	1.04E+00		4.23E+02		poss-ND
SD	AES	HA01005	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.00E+02	ND	3.52E+03		1.14E-01		none
SD	AES	HA07005	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.10E+02	ND	3.52E+03		1.16E-01		none
SD	AES	HA06052	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.10E+02	ND	3.52E+03		1.16E-01		none
SD	AES	HA08005	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.10E+02	ND	3.52E+03		1.16E-01		none
SD	AES	HA09052	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.10E+02	ND	3.52E+03		1.16E-01		none
SD	AES	HA04052	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.20E+02	ND	3.52E+03		1.19E-01		none
SD	AES	HA03005	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.20E+02	ND	3.52E+03		1.19E-01		none
SD	AES	HA08052	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.20E+02	ND	3.52E+03		1.19E-01		none
SD	AES	HA09005	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.20E+02	ND	3.52E+03		1.19E-01		none
SD	AES	HA02005	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.20E+02	ND	3.52E+03		1.19E-01		none
SD	AES	HA03052	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.30E+02	ND	3.52E+03		1.22E-01		none
SD	AES	HA07052	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.30E+02	ND	3.52E+03		1.22E-01		none
SD	AES	HA06005	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.30E+02	ND	3.52E+03		1.22E-01		none
SD	AES	HA05052	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.30E+02	ND	3.52E+03		1.22E-01		none
SD	AES	HA02052	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.30E+02	ND	3.52E+03		1.22E-01		none
SD	AES	HA05005	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.40E+02	ND	3.52E+03		1.25E-01		none
SD	AES	HA10005	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.40E+02	ND	3.52E+03		1.25E-01		none
SD	AES	HA10052	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.40E+02	ND	3.52E+03		1.25E-01		none
SD	AES	HA01052	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.40E+02	ND	3.52E+03		1.25E-01		none
SD	AES	HA04005	SVOA	Bis(2-chloroethyl)ether	ug/kg	4.40E+02	ND	3.52E+03		1.25E-01		none
SD	AES	HA01005	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.00E+02	ND	3.52E+03		1.14E-01		none
SD	AES	HA07005	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.10E+02	ND	3.52E+03		1.16E-01		none
SD	AES	HA06052	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.10E+02	ND	3.52E+03		1.16E-01		none
SD	AES	HA08005	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.10E+02	ND	3.52E+03		1.16E-01		none
SD	AES	HA09052	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.10E+02	ND	3.52E+03		1.16E-01		none
SD	AES	HA03005	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.20E+02	ND	3.52E+03		1.19E-01		none
SD	AES	HA04052	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.20E+02	ND	3.52E+03		1.19E-01		none
SD	AES	HA08052	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.20E+02	ND	3.52E+03		1.19E-01		none
SD	AES	HA09005	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.20E+02	ND	3.52E+03		1.19E-01		none
SD	AES	HA02005	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.20E+02	ND	3.52E+03		1.19E-01		none
SD	AES	HA03052	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.30E+02	ND	3.52E+03		1.22E-01		none
SD	AES	HA07052	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.30E+02	ND	3.52E+03		1.22E-01		none
SD	AES	HA06005	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.30E+02	ND	3.52E+03		1.22E-01		none
SD	AES	HA05052	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.30E+02	ND	3.52E+03		1.22E-01		none
SD	AES	HA02052	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.30E+02	ND	3.52E+03		1.22E-01		none
SD	AES	HA05005	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.40E+02	ND	3.52E+03		1.25E-01		none
SD	AES	HA10005	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.40E+02	ND	3.52E+03		1.25E-01		none
SD	AES	HA10052	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.40E+02	ND	3.52E+03		1.25E-01		none
SD	AES	HA01052	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.40E+02	ND	3.52E+03		1.25E-01		none
SD	AES	HA04005	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	4.40E+02	ND	3.52E+03		1.25E-01		none
SD	AES	HA01005	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.00E+02	ND	1.82E+02		2.20E+00		poss-ND
SD	AES	HA07005	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.10E+02	ND	1.82E+02		2.25E+00		poss-ND
SD	AES	HA06052	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.10E+02	ND	1.82E+02		2.25E+00		poss-ND
SD	AES	HA08005	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.10E+02	ND	1.82E+02		2.25E+00		poss-ND
SD	AES	HA09052	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.10E+02	ND	1.82E+02		2.25E+00		poss-ND
SD	AES	HA03005	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.20E+02	ND	1.82E+02		2.31E+00		poss-ND
SD	AES	HA04052	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.20E+02	ND	1.82E+02		2.31E+00		poss-ND
SD	AES	HA08052	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.20E+02	ND	1.82E+02		2.31E+00		poss-ND
SD	AES	HA09005	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.20E+02	ND	1.82E+02		2.31E+00		poss-ND
SD	AES	HA02005	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.20E+02	ND	1.82E+02		2.31E+00		poss-ND
SD	AES	HA03052	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.30E+02	ND	1.82E+02		2.36E+00		poss-ND
SD	AES	HA07052	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.30E+02	ND	1.82E+02		2.36E+00		poss-ND
SD	AES	HA06005	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.30E+02	ND	1.82E+02		2.36E+00		poss-ND
SD	AES	HA05052	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.30E+02	ND	1.82E+02		2.36E+00		poss-ND
SD	AES	HA02052	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.30E+02	ND	1.82E+02		2.36E+00		poss-ND
SD	AES	HA05005	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.40E+02	ND	1.82E+02		2.42E+00		poss-ND
SD	AES	HA10005	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.40E+02	ND	1.82E+02		2.42E+00		poss-ND
SD	AES	HA10052	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.40E+02	ND	1.82E+02		2.42E+00		poss-ND
SD	AES	HA01052	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.40E+02	ND	1.82E+02		2.42E+00		poss-ND
SD	AES	HA04005	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	4.40E+02	ND	1.82E+02		2.42E+00		poss-ND
SD	AES	HA01005	SVOA	Butylbenzyl phthalate	ug/kg	4.00E+02	ND	1.10E+04		3.64E-02		none
SD	AES	HA07005	SVOA	Butylbenzyl phthalate	ug/kg	4.10E+02	ND	1.10E+04		3.73E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA06052	SVOA	Butylbenzyl phthalate	ug/kg	4.10E+02	ND	1.10E+04		3.73E-02		none
SD	AES	HA08005	SVOA	Butylbenzyl phthalate	ug/kg	4.10E+02	ND	1.10E+04		3.73E-02		none
SD	AES	HA09052	SVOA	Butylbenzyl phthalate	ug/kg	4.10E+02	ND	1.10E+04		3.73E-02		none
SD	AES	HA03005	SVOA	Butylbenzyl phthalate	ug/kg	4.20E+02	ND	1.10E+04		3.82E-02		none
SD	AES	HA04052	SVOA	Butylbenzyl phthalate	ug/kg	4.20E+02	ND	1.10E+04		3.82E-02		none
SD	AES	HA08052	SVOA	Butylbenzyl phthalate	ug/kg	4.20E+02	ND	1.10E+04		3.82E-02		none
SD	AES	HA09005	SVOA	Butylbenzyl phthalate	ug/kg	4.20E+02	ND	1.10E+04		3.82E-02		none
SD	AES	HA02005	SVOA	Butylbenzyl phthalate	ug/kg	4.20E+02	ND	1.10E+04		3.82E-02		none
SD	AES	HA03052	SVOA	Butylbenzyl phthalate	ug/kg	4.30E+02	ND	1.10E+04		3.91E-02		none
SD	AES	HA07052	SVOA	Butylbenzyl phthalate	ug/kg	4.30E+02	ND	1.10E+04		3.91E-02		none
SD	AES	HA06005	SVOA	Butylbenzyl phthalate	ug/kg	4.30E+02	ND	1.10E+04		3.91E-02		none
SD	AES	HA05052	SVOA	Butylbenzyl phthalate	ug/kg	4.30E+02	ND	1.10E+04		3.91E-02		none
SD	AES	HA02052	SVOA	Butylbenzyl phthalate	ug/kg	4.30E+02	ND	1.10E+04		3.91E-02		none
SD	AES	HA05005	SVOA	Butylbenzyl phthalate	ug/kg	4.40E+02	ND	1.10E+04		4.00E-02		none
SD	AES	HA10005	SVOA	Butylbenzyl phthalate	ug/kg	4.40E+02	ND	1.10E+04		4.00E-02		none
SD	AES	HA10052	SVOA	Butylbenzyl phthalate	ug/kg	4.40E+02	ND	1.10E+04		4.00E-02		none
SD	AES	HA01052	SVOA	Butylbenzyl phthalate	ug/kg	4.40E+02	ND	1.10E+04		4.00E-02		none
SD	AES	HA04005	SVOA	Butylbenzyl phthalate	ug/kg	4.40E+02	ND	1.10E+04		4.00E-02		none
SD	AES	HA01005	SVOA	Chrysene	ug/kg	4.00E+02	ND	1.66E+02	1.29E+03	2.41E+00	3.10E-01	poss-ND
SD	AES	HA07005	SVOA	Chrysene	ug/kg	4.10E+02	ND	1.66E+02	1.29E+03	2.47E+00	3.18E-01	poss-ND
SD	AES	HA06052	SVOA	Chrysene	ug/kg	4.10E+02	ND	1.66E+02	1.29E+03	2.47E+00	3.18E-01	poss-ND
SD	AES	HA08005	SVOA	Chrysene	ug/kg	4.10E+02	ND	1.66E+02	1.29E+03	2.47E+00	3.18E-01	poss-ND
SD	AES	HA09052	SVOA	Chrysene	ug/kg	4.10E+02	ND	1.66E+02	1.29E+03	2.47E+00	3.18E-01	poss-ND
SD	AES	HA03005	SVOA	Chrysene	ug/kg	4.20E+02	ND	1.66E+02	1.29E+03	2.53E+00	3.26E-01	poss-ND
SD	AES	HA04052	SVOA	Chrysene	ug/kg	4.20E+02	ND	1.66E+02	1.29E+03	2.53E+00	3.26E-01	poss-ND
SD	AES	HA08052	SVOA	Chrysene	ug/kg	4.20E+02	ND	1.66E+02	1.29E+03	2.53E+00	3.26E-01	poss-ND
SD	AES	HA09005	SVOA	Chrysene	ug/kg	4.20E+02	ND	1.66E+02	1.29E+03	2.53E+00	3.26E-01	poss-ND
SD	AES	HA02005	SVOA	Chrysene	ug/kg	4.20E+02	ND	1.66E+02	1.29E+03	2.53E+00	3.26E-01	poss-ND
SD	AES	HA03052	SVOA	Chrysene	ug/kg	4.30E+02	ND	1.66E+02	1.29E+03	2.59E+00	3.33E-01	poss-ND
SD	AES	HA07052	SVOA	Chrysene	ug/kg	4.30E+02	ND	1.66E+02	1.29E+03	2.59E+00	3.33E-01	poss-ND
SD	AES	HA06005	SVOA	Chrysene	ug/kg	4.30E+02	ND	1.66E+02	1.29E+03	2.59E+00	3.33E-01	poss-ND
SD	AES	HA05052	SVOA	Chrysene	ug/kg	4.30E+02	ND	1.66E+02	1.29E+03	2.59E+00	3.33E-01	poss-ND
SD	AES	HA02052	SVOA	Chrysene	ug/kg	4.30E+02	ND	1.66E+02	1.29E+03	2.59E+00	3.33E-01	poss-ND
SD	AES	HA05005	SVOA	Chrysene	ug/kg	4.40E+02	ND	1.66E+02	1.29E+03	2.65E+00	3.41E-01	poss-ND
SD	AES	HA10005	SVOA	Chrysene	ug/kg	4.40E+02	ND	1.66E+02	1.29E+03	2.65E+00	3.41E-01	poss-ND
SD	AES	HA10052	SVOA	Chrysene	ug/kg	4.40E+02	ND	1.66E+02	1.29E+03	2.65E+00	3.41E-01	poss-ND
SD	AES	HA01052	SVOA	Chrysene	ug/kg	4.40E+02	ND	1.66E+02	1.29E+03	2.65E+00	3.41E-01	poss-ND
SD	AES	HA04005	SVOA	Chrysene	ug/kg	4.40E+02	ND	1.66E+02	1.29E+03	2.65E+00	3.41E-01	poss-ND
SD	AES	HA01005	SVOA	Dibenz(a,h)anthracene	ug/kg	4.00E+02	ND	3.30E+01		1.21E+01		poss-ND
SD	AES	HA07005	SVOA	Dibenz(a,h)anthracene	ug/kg	4.10E+02	ND	3.30E+01		1.24E+01		poss-ND
SD	AES	HA06052	SVOA	Dibenz(a,h)anthracene	ug/kg	4.10E+02	ND	3.30E+01		1.24E+01		poss-ND
SD	AES	HA08005	SVOA	Dibenz(a,h)anthracene	ug/kg	4.10E+02	ND	3.30E+01		1.24E+01		poss-ND
SD	AES	HA09052	SVOA	Dibenz(a,h)anthracene	ug/kg	4.10E+02	ND	3.30E+01		1.24E+01		poss-ND
SD	AES	HA03005	SVOA	Dibenz(a,h)anthracene	ug/kg	4.20E+02	ND	3.30E+01		1.27E+01		poss-ND
SD	AES	HA04052	SVOA	Dibenz(a,h)anthracene	ug/kg	4.20E+02	ND	3.30E+01		1.27E+01		poss-ND
SD	AES	HA08052	SVOA	Dibenz(a,h)anthracene	ug/kg	4.20E+02	ND	3.30E+01		1.27E+01		poss-ND
SD	AES	HA09005	SVOA	Dibenz(a,h)anthracene	ug/kg	4.20E+02	ND	3.30E+01		1.27E+01		poss-ND
SD	AES	HA02005	SVOA	Dibenz(a,h)anthracene	ug/kg	4.20E+02	ND	3.30E+01		1.27E+01		poss-ND
SD	AES	HA03052	SVOA	Dibenz(a,h)anthracene	ug/kg	4.30E+02	ND	3.30E+01		1.30E+01		poss-ND
SD	AES	HA07052	SVOA	Dibenz(a,h)anthracene	ug/kg	4.30E+02	ND	3.30E+01		1.30E+01		poss-ND
SD	AES	HA06005	SVOA	Dibenz(a,h)anthracene	ug/kg	4.30E+02	ND	3.30E+01		1.30E+01		poss-ND
SD	AES	HA05052	SVOA	Dibenz(a,h)anthracene	ug/kg	4.30E+02	ND	3.30E+01		1.30E+01		poss-ND
SD	AES	HA02052	SVOA	Dibenz(a,h)anthracene	ug/kg	4.30E+02	ND	3.30E+01		1.30E+01		poss-ND
SD	AES	HA05005	SVOA	Dibenz(a,h)anthracene	ug/kg	4.40E+02	ND	3.30E+01		1.33E+01		poss-ND
SD	AES	HA10005	SVOA	Dibenz(a,h)anthracene	ug/kg	4.40E+02	ND	3.30E+01		1.33E+01		poss-ND
SD	AES	HA10052	SVOA	Dibenz(a,h)anthracene	ug/kg	4.40E+02	ND	3.30E+01		1.33E+01		poss-ND
SD	AES	HA01052	SVOA	Dibenz(a,h)anthracene	ug/kg	4.40E+02	ND	3.30E+01		1.33E+01		poss-ND
SD	AES	HA04005	SVOA	Dibenz(a,h)anthracene	ug/kg	4.40E+02	ND	3.30E+01		1.33E+01		poss-ND
SD	AES	HA01005	SVOA	Dibenzofuran	ug/kg	4.00E+02	ND	2.00E+03		2.00E-01		none
SD	AES	HA07005	SVOA	Dibenzofuran	ug/kg	4.10E+02	ND	2.00E+03		2.05E-01		none
SD	AES	HA09052	SVOA	Dibenzofuran	ug/kg	4.10E+02	ND	2.00E+03		2.05E-01		none
SD	AES	HA06052	SVOA	Dibenzofuran	ug/kg	4.10E+02	ND	2.00E+03		2.05E-01		none
SD	AES	HA08005	SVOA	Dibenzofuran	ug/kg	4.10E+02	ND	2.00E+03		2.05E-01		none
SD	AES	HA03005	SVOA	Dibenzofuran	ug/kg	4.20E+02	ND	2.00E+03		2.10E-01		none
SD	AES	HA04052	SVOA	Dibenzofuran	ug/kg	4.20E+02	ND	2.00E+03		2.10E-01		none
SD	AES	HA08052	SVOA	Dibenzofuran	ug/kg	4.20E+02	ND	2.00E+03		2.10E-01		none
SD	AES	HA09005	SVOA	Dibenzofuran	ug/kg	4.20E+02	ND	2.00E+03		2.10E-01		none
SD	AES	HA02005	SVOA	Dibenzofuran	ug/kg	4.20E+02	ND	2.00E+03		2.10E-01		none
SD	AES	HA03052	SVOA	Dibenzofuran	ug/kg	4.30E+02	ND	2.00E+03		2.15E-01		none
SD	AES	HA07052	SVOA	Dibenzofuran	ug/kg	4.30E+02	ND	2.00E+03		2.15E-01		none
SD	AES	HA06005	SVOA	Dibenzofuran	ug/kg	4.30E+02	ND	2.00E+03		2.15E-01		none
SD	AES	HA05052	SVOA	Dibenzofuran	ug/kg	4.30E+02	ND	2.00E+03		2.15E-01		none
SD	AES	HA02052	SVOA	Dibenzofuran	ug/kg	4.30E+02	ND	2.00E+03		2.15E-01		none
SD	AES	HA05005	SVOA	Dibenzofuran	ug/kg	4.40E+02	ND	2.00E+03		2.20E-01		none
SD	AES	HA10005	SVOA	Dibenzofuran	ug/kg	4.40E+02	ND	2.00E+03		2.20E-01		none
SD	AES	HA10052	SVOA	Dibenzofuran	ug/kg	4.40E+02	ND	2.00E+03		2.20E-01		none
SD	AES	HA01052	SVOA	Dibenzofuran	ug/kg	4.40E+02	ND	2.00E+03		2.20E-01		none
SD	AES	HA04005	SVOA	Dibenzofuran	ug/kg	4.40E+02	ND	2.00E+03		2.20E-01		none
SD	AES	HA01005	SVOA	Diethylphthalate	ug/kg	8.00E+02	ND	6.30E+02		1.27E+00		poss-ND
SD	AES	HA09052	SVOA	Diethylphthalate	ug/kg	8.20E+02	ND	6.30E+02		1.30E+00		poss-ND
SD	AES	HA08005	SVOA	Diethylphthalate	ug/kg	8.20E+02	ND	6.30E+02		1.30E+00		poss-ND
SD	AES	HA03005	SVOA	Diethylphthalate	ug/kg	8.30E+02	ND	6.30E+02		1.32E+00		poss-ND
SD	AES	HA07005	SVOA	Diethylphthalate	ug/kg	8.30E+02	ND	6.30E+02		1.32E+00		poss-ND
SD	AES	HA06052	SVOA	Diethylphthalate	ug/kg	8.30E+02	ND	6.30E+02		1.32E+00		poss-ND
SD	AES	HA08052	SVOA	Diethylphthalate	ug/kg	8.40E+02	ND	6.30E+02		1.33E+00		poss-ND
SD	AES	HA02005	SVOA	Diethylphthalate	ug/kg	8.40E+02	ND	6.30E+02		1.33E+00		poss-ND
SD	AES	HA04052	SVOA	Diethylphthalate	ug/kg	8.50E+02	ND	6.30E+02		1.35E+00		poss-ND
SD	AES	HA09005	SVOA	Diethylphthalate	ug/kg	8.50E+02	ND	6.30E+02		1.35E+00		poss-ND
SD	AES	HA07052	SVOA	Diethylphthalate	ug/kg	8.50E+02	ND	6.30E+02		1.35E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA03052	SVOA	Diethylphthalate	ug/kg	8.60E+02	ND	6.30E+02		1.37E+00		poss-ND
SD	AES	HA06005	SVOA	Diethylphthalate	ug/kg	8.60E+02	ND	6.30E+02		1.37E+00		poss-ND
SD	AES	HA05005	SVOA	Diethylphthalate	ug/kg	8.70E+02	ND	6.30E+02		1.38E+00		poss-ND
SD	AES	HA10005	SVOA	Diethylphthalate	ug/kg	8.70E+02	ND	6.30E+02		1.38E+00		poss-ND
SD	AES	HA05052	SVOA	Diethylphthalate	ug/kg	8.70E+02	ND	6.30E+02		1.38E+00		poss-ND
SD	AES	HA10052	SVOA	Diethylphthalate	ug/kg	8.70E+02	ND	6.30E+02		1.38E+00		poss-ND
SD	AES	HA04005	SVOA	Diethylphthalate	ug/kg	8.70E+02	ND	6.30E+02		1.38E+00		poss-ND
SD	AES	HA02052	SVOA	Diethylphthalate	ug/kg	8.70E+02	ND	6.30E+02		1.38E+00		poss-ND
SD	AES	HA01052	SVOA	Diethylphthalate	ug/kg	8.90E+02	ND	6.30E+02		1.41E+00		poss-ND
SD	AES	HA01005	SVOA	Dimethylphthalate	ug/kg	4.00E+02	ND	6.30E+02		6.35E-01		none
SD	AES	HA07005	SVOA	Dimethylphthalate	ug/kg	4.10E+02	ND	6.30E+02		6.51E-01		none
SD	AES	HA09052	SVOA	Dimethylphthalate	ug/kg	4.10E+02	ND	6.30E+02		6.51E-01		none
SD	AES	HA06052	SVOA	Dimethylphthalate	ug/kg	4.10E+02	ND	6.30E+02		6.51E-01		none
SD	AES	HA08005	SVOA	Dimethylphthalate	ug/kg	4.10E+02	ND	6.30E+02		6.51E-01		none
SD	AES	HA03005	SVOA	Dimethylphthalate	ug/kg	4.20E+02	ND	6.30E+02		6.67E-01		none
SD	AES	HA04052	SVOA	Dimethylphthalate	ug/kg	4.20E+02	ND	6.30E+02		6.67E-01		none
SD	AES	HA08052	SVOA	Dimethylphthalate	ug/kg	4.20E+02	ND	6.30E+02		6.67E-01		none
SD	AES	HA09005	SVOA	Dimethylphthalate	ug/kg	4.20E+02	ND	6.30E+02		6.67E-01		none
SD	AES	HA02005	SVOA	Dimethylphthalate	ug/kg	4.20E+02	ND	6.30E+02		6.67E-01		none
SD	AES	HA03052	SVOA	Dimethylphthalate	ug/kg	4.30E+02	ND	6.30E+02		6.83E-01		none
SD	AES	HA07052	SVOA	Dimethylphthalate	ug/kg	4.30E+02	ND	6.30E+02		6.83E-01		none
SD	AES	HA06005	SVOA	Dimethylphthalate	ug/kg	4.30E+02	ND	6.30E+02		6.83E-01		none
SD	AES	HA05052	SVOA	Dimethylphthalate	ug/kg	4.30E+02	ND	6.30E+02		6.83E-01		none
SD	AES	HA02052	SVOA	Dimethylphthalate	ug/kg	4.30E+02	ND	6.30E+02		6.83E-01		none
SD	AES	HA05005	SVOA	Dimethylphthalate	ug/kg	4.40E+02	ND	6.30E+02		6.98E-01		none
SD	AES	HA10005	SVOA	Dimethylphthalate	ug/kg	4.40E+02	ND	6.30E+02		6.98E-01		none
SD	AES	HA10052	SVOA	Dimethylphthalate	ug/kg	4.40E+02	ND	6.30E+02		6.98E-01		none
SD	AES	HA01052	SVOA	Dimethylphthalate	ug/kg	4.40E+02	ND	6.30E+02		6.98E-01		none
SD	AES	HA04005	SVOA	Dimethylphthalate	ug/kg	4.40E+02	ND	6.30E+02		6.98E-01		none
SD	AES	HA01005	SVOA	Di-n-butylphthalate	ug/kg	4.00E+02	ND	1.10E+04		3.64E-02		none
SD	AES	HA07005	SVOA	Di-n-butylphthalate	ug/kg	4.10E+02	ND	1.10E+04		3.73E-02		none
SD	AES	HA06052	SVOA	Di-n-butylphthalate	ug/kg	4.10E+02	ND	1.10E+04		3.73E-02		none
SD	AES	HA08005	SVOA	Di-n-butylphthalate	ug/kg	4.10E+02	ND	1.10E+04		3.73E-02		none
SD	AES	HA09052	SVOA	Di-n-butylphthalate	ug/kg	4.10E+02	ND	1.10E+04		3.73E-02		none
SD	AES	HA03005	SVOA	Di-n-butylphthalate	ug/kg	4.20E+02	ND	1.10E+04		3.82E-02		none
SD	AES	HA04052	SVOA	Di-n-butylphthalate	ug/kg	4.20E+02	ND	1.10E+04		3.82E-02		none
SD	AES	HA08052	SVOA	Di-n-butylphthalate	ug/kg	4.20E+02	ND	1.10E+04		3.82E-02		none
SD	AES	HA09005	SVOA	Di-n-butylphthalate	ug/kg	4.20E+02	ND	1.10E+04		3.82E-02		none
SD	AES	HA02005	SVOA	Di-n-butylphthalate	ug/kg	4.20E+02	ND	1.10E+04		3.82E-02		none
SD	AES	HA03052	SVOA	Di-n-butylphthalate	ug/kg	4.30E+02	ND	1.10E+04		3.91E-02		none
SD	AES	HA07052	SVOA	Di-n-butylphthalate	ug/kg	4.30E+02	ND	1.10E+04		3.91E-02		none
SD	AES	HA06005	SVOA	Di-n-butylphthalate	ug/kg	4.30E+02	ND	1.10E+04		3.91E-02		none
SD	AES	HA05052	SVOA	Di-n-butylphthalate	ug/kg	4.30E+02	ND	1.10E+04		3.91E-02		none
SD	AES	HA02052	SVOA	Di-n-butylphthalate	ug/kg	4.30E+02	ND	1.10E+04		3.91E-02		none
SD	AES	HA05005	SVOA	Di-n-butylphthalate	ug/kg	4.40E+02	ND	1.10E+04		4.00E-02		none
SD	AES	HA10005	SVOA	Di-n-butylphthalate	ug/kg	4.40E+02	ND	1.10E+04		4.00E-02		none
SD	AES	HA10052	SVOA	Di-n-butylphthalate	ug/kg	4.40E+02	ND	1.10E+04		4.00E-02		none
SD	AES	HA01052	SVOA	Di-n-butylphthalate	ug/kg	4.40E+02	ND	1.10E+04		4.00E-02		none
SD	AES	HA04005	SVOA	Di-n-butylphthalate	ug/kg	4.40E+02	ND	1.10E+04		4.00E-02		none
SD	AES	HA01005	SVOA	Di-n-octyl phthalate	ug/kg	4.00E+02	ND	4.06E+04		9.85E-03		none
SD	AES	HA07005	SVOA	Di-n-octyl phthalate	ug/kg	4.10E+02	ND	4.06E+04		1.01E-02		none
SD	AES	HA06052	SVOA	Di-n-octyl phthalate	ug/kg	4.10E+02	ND	4.06E+04		1.01E-02		none
SD	AES	HA08005	SVOA	Di-n-octyl phthalate	ug/kg	4.10E+02	ND	4.06E+04		1.01E-02		none
SD	AES	HA09052	SVOA	Di-n-octyl phthalate	ug/kg	4.10E+02	ND	4.06E+04		1.01E-02		none
SD	AES	HA04052	SVOA	Di-n-octyl phthalate	ug/kg	4.20E+02	ND	4.06E+04		1.03E-02		none
SD	AES	HA08052	SVOA	Di-n-octyl phthalate	ug/kg	4.20E+02	ND	4.06E+04		1.03E-02		none
SD	AES	HA09005	SVOA	Di-n-octyl phthalate	ug/kg	4.20E+02	ND	4.06E+04		1.03E-02		none
SD	AES	HA03005	SVOA	Di-n-octyl phthalate	ug/kg	4.20E+02	ND	4.06E+04		1.03E-02		none
SD	AES	HA02005	SVOA	Di-n-octyl phthalate	ug/kg	4.20E+02	ND	4.06E+04		1.03E-02		none
SD	AES	HA03052	SVOA	Di-n-octyl phthalate	ug/kg	4.30E+02	ND	4.06E+04		1.06E-02		none
SD	AES	HA07052	SVOA	Di-n-octyl phthalate	ug/kg	4.30E+02	ND	4.06E+04		1.06E-02		none
SD	AES	HA06005	SVOA	Di-n-octyl phthalate	ug/kg	4.30E+02	ND	4.06E+04		1.06E-02		none
SD	AES	HA05052	SVOA	Di-n-octyl phthalate	ug/kg	4.30E+02	ND	4.06E+04		1.06E-02		none
SD	AES	HA02052	SVOA	Di-n-octyl phthalate	ug/kg	4.30E+02	ND	4.06E+04		1.06E-02		none
SD	AES	HA05005	SVOA	Di-n-octyl phthalate	ug/kg	4.40E+02	ND	4.06E+04		1.08E-02		none
SD	AES	HA10005	SVOA	Di-n-octyl phthalate	ug/kg	4.40E+02	ND	4.06E+04		1.08E-02		none
SD	AES	HA10052	SVOA	Di-n-octyl phthalate	ug/kg	4.40E+02	ND	4.06E+04		1.08E-02		none
SD	AES	HA01052	SVOA	Di-n-octyl phthalate	ug/kg	4.40E+02	ND	4.06E+04		1.08E-02		none
SD	AES	HA04005	SVOA	Di-n-octyl phthalate	ug/kg	4.40E+02	ND	4.06E+04		1.08E-02		none
SD	AES	HA01005	SVOA	Fluoranthene	ug/kg	4.00E+02	ND	4.23E+02	2.23E+03	9.46E-01	1.79E-01	none
SD	AES	HA07005	SVOA	Fluoranthene	ug/kg	4.10E+02	ND	4.23E+02	2.23E+03	9.69E-01	1.84E-01	none
SD	AES	HA09052	SVOA	Fluoranthene	ug/kg	4.10E+02	ND	4.23E+02	2.23E+03	9.69E-01	1.84E-01	none
SD	AES	HA06052	SVOA	Fluoranthene	ug/kg	4.10E+02	ND	4.23E+02	2.23E+03	9.69E-01	1.84E-01	none
SD	AES	HA08005	SVOA	Fluoranthene	ug/kg	4.10E+02	ND	4.23E+02	2.23E+03	9.69E-01	1.84E-01	none
SD	AES	HA03005	SVOA	Fluoranthene	ug/kg	4.20E+02	ND	4.23E+02	2.23E+03	9.93E-01	1.88E-01	none
SD	AES	HA04052	SVOA	Fluoranthene	ug/kg	4.20E+02	ND	4.23E+02	2.23E+03	9.93E-01	1.88E-01	none
SD	AES	HA08052	SVOA	Fluoranthene	ug/kg	4.20E+02	ND	4.23E+02	2.23E+03	9.93E-01	1.88E-01	none
SD	AES	HA09005	SVOA	Fluoranthene	ug/kg	4.20E+02	ND	4.23E+02	2.23E+03	9.93E-01	1.88E-01	none
SD	AES	HA02005	SVOA	Fluoranthene	ug/kg	4.20E+02	ND	4.23E+02	2.23E+03	9.93E-01	1.88E-01	none
SD	AES	HA03052	SVOA	Fluoranthene	ug/kg	4.30E+02	ND	4.23E+02	2.23E+03	1.02E+00	1.93E-01	poss-ND
SD	AES	HA07052	SVOA	Fluoranthene	ug/kg	4.30E+02	ND	4.23E+02	2.23E+03	1.02E+00	1.93E-01	poss-ND
SD	AES	HA06005	SVOA	Fluoranthene	ug/kg	4.30E+02	ND	4.23E+02	2.23E+03	1.02E+00	1.93E-01	poss-ND
SD	AES	HA05052	SVOA	Fluoranthene	ug/kg	4.30E+02	ND	4.23E+02	2.23E+03	1.02E+00	1.93E-01	poss-ND
SD	AES	HA02052	SVOA	Fluoranthene	ug/kg	4.30E+02	ND	4.23E+02	2.23E+03	1.02E+00	1.93E-01	poss-ND
SD	AES	HA05005	SVOA	Fluoranthene	ug/kg	4.40E+02	ND	4.23E+02	2.23E+03	1.04E+00	1.97E-01	poss-ND
SD	AES	HA10005	SVOA	Fluoranthene	ug/kg	4.40E+02	ND	4.23E+02	2.23E+03	1.04E+00	1.97E-01	poss-ND
SD	AES	HA10052	SVOA	Fluoranthene	ug/kg	4.40E+02	ND	4.23E+02	2.23E+03	1.04E+00	1.97E-01	poss-ND
SD	AES	HA01052	SVOA	Fluoranthene	ug/kg	4.40E+02	ND	4.23E+02	2.23E+03	1.04E+00	1.97E-01	poss-ND
SD	AES	HA04005	SVOA	Fluoranthene	ug/kg	4.40E+02	ND	4.23E+02	2.23E+03	1.04E+00	1.97E-01	poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA01005	SVOA	Fluorene	ug/kg	4.00E+02	ND	7.74E+01	5.36E+02	5.17E+00	7.46E-01	poss-ND
SD	AES	HA07005	SVOA	Fluorene	ug/kg	4.10E+02	ND	7.74E+01	5.36E+02	5.30E+00	7.65E-01	poss-ND
SD	AES	HA09052	SVOA	Fluorene	ug/kg	4.10E+02	ND	7.74E+01	5.36E+02	5.30E+00	7.65E-01	poss-ND
SD	AES	HA06052	SVOA	Fluorene	ug/kg	4.10E+02	ND	7.74E+01	5.36E+02	5.30E+00	7.65E-01	poss-ND
SD	AES	HA08005	SVOA	Fluorene	ug/kg	4.10E+02	ND	7.74E+01	5.36E+02	5.30E+00	7.65E-01	poss-ND
SD	AES	HA03005	SVOA	Fluorene	ug/kg	4.20E+02	ND	7.74E+01	5.36E+02	5.43E+00	7.84E-01	poss-ND
SD	AES	HA04052	SVOA	Fluorene	ug/kg	4.20E+02	ND	7.74E+01	5.36E+02	5.43E+00	7.84E-01	poss-ND
SD	AES	HA08052	SVOA	Fluorene	ug/kg	4.20E+02	ND	7.74E+01	5.36E+02	5.43E+00	7.84E-01	poss-ND
SD	AES	HA09005	SVOA	Fluorene	ug/kg	4.20E+02	ND	7.74E+01	5.36E+02	5.43E+00	7.84E-01	poss-ND
SD	AES	HA02005	SVOA	Fluorene	ug/kg	4.20E+02	ND	7.74E+01	5.36E+02	5.43E+00	7.84E-01	poss-ND
SD	AES	HA03052	SVOA	Fluorene	ug/kg	4.30E+02	ND	7.74E+01	5.36E+02	5.56E+00	8.02E-01	poss-ND
SD	AES	HA07052	SVOA	Fluorene	ug/kg	4.30E+02	ND	7.74E+01	5.36E+02	5.56E+00	8.02E-01	poss-ND
SD	AES	HA06005	SVOA	Fluorene	ug/kg	4.30E+02	ND	7.74E+01	5.36E+02	5.56E+00	8.02E-01	poss-ND
SD	AES	HA05052	SVOA	Fluorene	ug/kg	4.30E+02	ND	7.74E+01	5.36E+02	5.56E+00	8.02E-01	poss-ND
SD	AES	HA02052	SVOA	Fluorene	ug/kg	4.30E+02	ND	7.74E+01	5.36E+02	5.56E+00	8.02E-01	poss-ND
SD	AES	HA05005	SVOA	Fluorene	ug/kg	4.40E+02	ND	7.74E+01	5.36E+02	5.68E+00	8.21E-01	poss-ND
SD	AES	HA10052	SVOA	Fluorene	ug/kg	4.40E+02	ND	7.74E+01	5.36E+02	5.68E+00	8.21E-01	poss-ND
SD	AES	HA01052	SVOA	Fluorene	ug/kg	4.40E+02	ND	7.74E+01	5.36E+02	5.68E+00	8.21E-01	poss-ND
SD	AES	HA10005	SVOA	Fluorene	ug/kg	4.40E+02	ND	7.74E+01	5.36E+02	5.68E+00	8.21E-01	poss-ND
SD	AES	HA04005	SVOA	Fluorene	ug/kg	4.40E+02	ND	7.74E+01	5.36E+02	5.68E+00	8.21E-01	poss-ND
SD	AES	HA01005	SVOA	Hexachlorobenzene	ug/kg	4.00E+02	ND	2.00E+01		2.00E+01		poss-ND
SD	AES	HA07005	SVOA	Hexachlorobenzene	ug/kg	4.10E+02	ND	2.00E+01		2.05E+01		poss-ND
SD	AES	HA09052	SVOA	Hexachlorobenzene	ug/kg	4.10E+02	ND	2.00E+01		2.05E+01		poss-ND
SD	AES	HA06052	SVOA	Hexachlorobenzene	ug/kg	4.10E+02	ND	2.00E+01		2.05E+01		poss-ND
SD	AES	HA08005	SVOA	Hexachlorobenzene	ug/kg	4.10E+02	ND	2.00E+01		2.05E+01		poss-ND
SD	AES	HA03005	SVOA	Hexachlorobenzene	ug/kg	4.20E+02	ND	2.00E+01		2.10E+01		poss-ND
SD	AES	HA04052	SVOA	Hexachlorobenzene	ug/kg	4.20E+02	ND	2.00E+01		2.10E+01		poss-ND
SD	AES	HA08052	SVOA	Hexachlorobenzene	ug/kg	4.20E+02	ND	2.00E+01		2.10E+01		poss-ND
SD	AES	HA09005	SVOA	Hexachlorobenzene	ug/kg	4.20E+02	ND	2.00E+01		2.10E+01		poss-ND
SD	AES	HA02005	SVOA	Hexachlorobenzene	ug/kg	4.20E+02	ND	2.00E+01		2.10E+01		poss-ND
SD	AES	HA03052	SVOA	Hexachlorobenzene	ug/kg	4.30E+02	ND	2.00E+01		2.15E+01		poss-ND
SD	AES	HA07052	SVOA	Hexachlorobenzene	ug/kg	4.30E+02	ND	2.00E+01		2.15E+01		poss-ND
SD	AES	HA06005	SVOA	Hexachlorobenzene	ug/kg	4.30E+02	ND	2.00E+01		2.15E+01		poss-ND
SD	AES	HA05052	SVOA	Hexachlorobenzene	ug/kg	4.30E+02	ND	2.00E+01		2.15E+01		poss-ND
SD	AES	HA02052	SVOA	Hexachlorobenzene	ug/kg	4.30E+02	ND	2.00E+01		2.15E+01		poss-ND
SD	AES	HA05005	SVOA	Hexachlorobenzene	ug/kg	4.40E+02	ND	2.00E+01		2.20E+01		poss-ND
SD	AES	HA10005	SVOA	Hexachlorobenzene	ug/kg	4.40E+02	ND	2.00E+01		2.20E+01		poss-ND
SD	AES	HA10052	SVOA	Hexachlorobenzene	ug/kg	4.40E+02	ND	2.00E+01		2.20E+01		poss-ND
SD	AES	HA01052	SVOA	Hexachlorobenzene	ug/kg	4.40E+02	ND	2.00E+01		2.20E+01		poss-ND
SD	AES	HA04005	SVOA	Hexachlorobenzene	ug/kg	4.40E+02	ND	2.00E+01		2.20E+01		poss-ND
SD	AES	HA01005	SVOA	Hexachlorobutadiene	ug/kg	4.00E+02	ND	2.65E+01		1.51E+01		poss-ND
SD	AES	HA07005	SVOA	Hexachlorobutadiene	ug/kg	4.10E+02	ND	2.65E+01		1.55E+01		poss-ND
SD	AES	HA09052	SVOA	Hexachlorobutadiene	ug/kg	4.10E+02	ND	2.65E+01		1.55E+01		poss-ND
SD	AES	HA08005	SVOA	Hexachlorobutadiene	ug/kg	4.10E+02	ND	2.65E+01		1.55E+01		poss-ND
SD	AES	HA06052	SVOA	Hexachlorobutadiene	ug/kg	4.10E+02	ND	2.65E+01		1.55E+01		poss-ND
SD	AES	HA03005	SVOA	Hexachlorobutadiene	ug/kg	4.20E+02	ND	2.65E+01		1.58E+01		poss-ND
SD	AES	HA04052	SVOA	Hexachlorobutadiene	ug/kg	4.20E+02	ND	2.65E+01		1.58E+01		poss-ND
SD	AES	HA08052	SVOA	Hexachlorobutadiene	ug/kg	4.20E+02	ND	2.65E+01		1.58E+01		poss-ND
SD	AES	HA09005	SVOA	Hexachlorobutadiene	ug/kg	4.20E+02	ND	2.65E+01		1.58E+01		poss-ND
SD	AES	HA02005	SVOA	Hexachlorobutadiene	ug/kg	4.20E+02	ND	2.65E+01		1.58E+01		poss-ND
SD	AES	HA03052	SVOA	Hexachlorobutadiene	ug/kg	4.30E+02	ND	2.65E+01		1.62E+01		poss-ND
SD	AES	HA07052	SVOA	Hexachlorobutadiene	ug/kg	4.30E+02	ND	2.65E+01		1.62E+01		poss-ND
SD	AES	HA06005	SVOA	Hexachlorobutadiene	ug/kg	4.30E+02	ND	2.65E+01		1.62E+01		poss-ND
SD	AES	HA05052	SVOA	Hexachlorobutadiene	ug/kg	4.30E+02	ND	2.65E+01		1.62E+01		poss-ND
SD	AES	HA02052	SVOA	Hexachlorobutadiene	ug/kg	4.30E+02	ND	2.65E+01		1.62E+01		poss-ND
SD	AES	HA05005	SVOA	Hexachlorobutadiene	ug/kg	4.40E+02	ND	2.65E+01		1.66E+01		poss-ND
SD	AES	HA10005	SVOA	Hexachlorobutadiene	ug/kg	4.40E+02	ND	2.65E+01		1.66E+01		poss-ND
SD	AES	HA10052	SVOA	Hexachlorobutadiene	ug/kg	4.40E+02	ND	2.65E+01		1.66E+01		poss-ND
SD	AES	HA01052	SVOA	Hexachlorobutadiene	ug/kg	4.40E+02	ND	2.65E+01		1.66E+01		poss-ND
SD	AES	HA04005	SVOA	Hexachlorobutadiene	ug/kg	4.40E+02	ND	2.65E+01		1.66E+01		poss-ND
SD	AES	HA01005	SVOA	Hexachlorocyclopentadiene	ug/kg	1.90E+03	ND	9.01E+02		2.11E+00		poss-ND
SD	AES	HA03005	SVOA	Hexachlorocyclopentadiene	ug/kg	2.00E+03	ND	9.01E+02		2.22E+00		poss-ND
SD	AES	HA07005	SVOA	Hexachlorocyclopentadiene	ug/kg	2.00E+03	ND	9.01E+02		2.22E+00		poss-ND
SD	AES	HA09052	SVOA	Hexachlorocyclopentadiene	ug/kg	2.00E+03	ND	9.01E+02		2.22E+00		poss-ND
SD	AES	HA08052	SVOA	Hexachlorocyclopentadiene	ug/kg	2.00E+03	ND	9.01E+02		2.22E+00		poss-ND
SD	AES	HA06052	SVOA	Hexachlorocyclopentadiene	ug/kg	2.00E+03	ND	9.01E+02		2.22E+00		poss-ND
SD	AES	HA08005	SVOA	Hexachlorocyclopentadiene	ug/kg	2.00E+03	ND	9.01E+02		2.22E+00		poss-ND
SD	AES	HA02005	SVOA	Hexachlorocyclopentadiene	ug/kg	2.00E+03	ND	9.01E+02		2.22E+00		poss-ND
SD	AES	HA03052	SVOA	Hexachlorocyclopentadiene	ug/kg	2.10E+03	ND	9.01E+02		2.33E+00		poss-ND
SD	AES	HA04052	SVOA	Hexachlorocyclopentadiene	ug/kg	2.10E+03	ND	9.01E+02		2.33E+00		poss-ND
SD	AES	HA05005	SVOA	Hexachlorocyclopentadiene	ug/kg	2.10E+03	ND	9.01E+02		2.33E+00		poss-ND
SD	AES	HA10005	SVOA	Hexachlorocyclopentadiene	ug/kg	2.10E+03	ND	9.01E+02		2.33E+00		poss-ND
SD	AES	HA09005	SVOA	Hexachlorocyclopentadiene	ug/kg	2.10E+03	ND	9.01E+02		2.33E+00		poss-ND
SD	AES	HA07052	SVOA	Hexachlorocyclopentadiene	ug/kg	2.10E+03	ND	9.01E+02		2.33E+00		poss-ND
SD	AES	HA06005	SVOA	Hexachlorocyclopentadiene	ug/kg	2.10E+03	ND	9.01E+02		2.33E+00		poss-ND
SD	AES	HA05052	SVOA	Hexachlorocyclopentadiene	ug/kg	2.10E+03	ND	9.01E+02		2.33E+00		poss-ND
SD	AES	HA10052	SVOA	Hexachlorocyclopentadiene	ug/kg	2.10E+03	ND	9.01E+02		2.33E+00		poss-ND
SD	AES	HA02052	SVOA	Hexachlorocyclopentadiene	ug/kg	2.10E+03	ND	9.01E+02		2.33E+00		poss-ND
SD	AES	HA04005	SVOA	Hexachlorocyclopentadiene	ug/kg	2.10E+03	ND	9.01E+02		2.33E+00		poss-ND
SD	AES	HA01052	SVOA	Hexachlorocyclopentadiene	ug/kg	2.20E+03	ND	9.01E+02		2.44E+00		poss-ND
SD	AES	HA01005	SVOA	Hexachloroethane	ug/kg	4.00E+02	ND	1.00E+03		4.00E-01		none
SD	AES	HA07005	SVOA	Hexachloroethane	ug/kg	4.10E+02	ND	1.00E+03		4.10E-01		none
SD	AES	HA09052	SVOA	Hexachloroethane	ug/kg	4.10E+02	ND	1.00E+03		4.10E-01		none
SD	AES	HA06052	SVOA	Hexachloroethane	ug/kg	4.10E+02	ND	1.00E+03		4.10E-01		none
SD	AES	HA08005	SVOA	Hexachloroethane	ug/kg	4.10E+02	ND	1.00E+03		4.10E-01		none
SD	AES	HA03005	SVOA	Hexachloroethane	ug/kg	4.20E+02	ND	1.00E+03		4.20E-01		none
SD	AES	HA04052	SVOA	Hexachloroethane	ug/kg	4.20E+02	ND	1.00E+03		4.20E-01		none
SD	AES	HA08052	SVOA	Hexachloroethane	ug/kg	4.20E+02	ND	1.00E+03		4.20E-01		none
SD	AES	HA09005	SVOA	Hexachloroethane	ug/kg	4.20E+02	ND	1.00E+03		4.20E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA02005	SVOA	Hexachloroethane	ug/kg	4.20E+02	ND	1.00E+03		4.20E-01		none
SD	AES	HA03052	SVOA	Hexachloroethane	ug/kg	4.30E+02	ND	1.00E+03		4.30E-01		none
SD	AES	HA06005	SVOA	Hexachloroethane	ug/kg	4.30E+02	ND	1.00E+03		4.30E-01		none
SD	AES	HA05052	SVOA	Hexachloroethane	ug/kg	4.30E+02	ND	1.00E+03		4.30E-01		none
SD	AES	HA07052	SVOA	Hexachloroethane	ug/kg	4.30E+02	ND	1.00E+03		4.30E-01		none
SD	AES	HA02052	SVOA	Hexachloroethane	ug/kg	4.30E+02	ND	1.00E+03		4.30E-01		none
SD	AES	HA05005	SVOA	Hexachloroethane	ug/kg	4.40E+02	ND	1.00E+03		4.40E-01		none
SD	AES	HA10005	SVOA	Hexachloroethane	ug/kg	4.40E+02	ND	1.00E+03		4.40E-01		none
SD	AES	HA10052	SVOA	Hexachloroethane	ug/kg	4.40E+02	ND	1.00E+03		4.40E-01		none
SD	AES	HA01052	SVOA	Hexachloroethane	ug/kg	4.40E+02	ND	1.00E+03		4.40E-01		none
SD	AES	HA04005	SVOA	Hexachloroethane	ug/kg	4.40E+02	ND	1.00E+03		4.40E-01		none
SD	AES	HA01005	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.00E+02	ND	7.80E+01	8.37E+02	5.13E+00	4.78E-01	poss-ND
SD	AES	HA07005	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.10E+02	ND	7.80E+01	8.37E+02	5.26E+00	4.90E-01	poss-ND
SD	AES	HA09052	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.10E+02	ND	7.80E+01	8.37E+02	5.26E+00	4.90E-01	poss-ND
SD	AES	HA06052	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.10E+02	ND	7.80E+01	8.37E+02	5.26E+00	4.90E-01	poss-ND
SD	AES	HA08005	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.10E+02	ND	7.80E+01	8.37E+02	5.26E+00	4.90E-01	poss-ND
SD	AES	HA03005	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.20E+02	ND	7.80E+01	8.37E+02	5.38E+00	5.02E-01	poss-ND
SD	AES	HA04052	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.20E+02	ND	7.80E+01	8.37E+02	5.38E+00	5.02E-01	poss-ND
SD	AES	HA08052	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.20E+02	ND	7.80E+01	8.37E+02	5.38E+00	5.02E-01	poss-ND
SD	AES	HA09005	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.20E+02	ND	7.80E+01	8.37E+02	5.38E+00	5.02E-01	poss-ND
SD	AES	HA02005	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.20E+02	ND	7.80E+01	8.37E+02	5.38E+00	5.02E-01	poss-ND
SD	AES	HA03052	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.30E+02	ND	7.80E+01	8.37E+02	5.51E+00	5.14E-01	poss-ND
SD	AES	HA07052	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.30E+02	ND	7.80E+01	8.37E+02	5.51E+00	5.14E-01	poss-ND
SD	AES	HA06005	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.30E+02	ND	7.80E+01	8.37E+02	5.51E+00	5.14E-01	poss-ND
SD	AES	HA05052	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.30E+02	ND	7.80E+01	8.37E+02	5.51E+00	5.14E-01	poss-ND
SD	AES	HA02052	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.30E+02	ND	7.80E+01	8.37E+02	5.51E+00	5.14E-01	poss-ND
SD	AES	HA05005	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.40E+02	ND	7.80E+01	8.37E+02	5.64E+00	5.26E-01	poss-ND
SD	AES	HA10005	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.40E+02	ND	7.80E+01	8.37E+02	5.64E+00	5.26E-01	poss-ND
SD	AES	HA10052	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.40E+02	ND	7.80E+01	8.37E+02	5.64E+00	5.26E-01	poss-ND
SD	AES	HA01052	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.40E+02	ND	7.80E+01	8.37E+02	5.64E+00	5.26E-01	poss-ND
SD	AES	HA04005	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	4.40E+02	ND	7.80E+01	8.37E+02	5.64E+00	5.26E-01	poss-ND
SD	AES	HA01005	SVOA	Isophorone	ug/kg	4.00E+02	ND	4.32E+02		9.26E-01		none
SD	AES	HA07005	SVOA	Isophorone	ug/kg	4.10E+02	ND	4.32E+02		9.49E-01		none
SD	AES	HA09052	SVOA	Isophorone	ug/kg	4.10E+02	ND	4.32E+02		9.49E-01		none
SD	AES	HA06052	SVOA	Isophorone	ug/kg	4.10E+02	ND	4.32E+02		9.49E-01		none
SD	AES	HA08005	SVOA	Isophorone	ug/kg	4.10E+02	ND	4.32E+02		9.49E-01		none
SD	AES	HA03005	SVOA	Isophorone	ug/kg	4.20E+02	ND	4.32E+02		9.72E-01		none
SD	AES	HA04052	SVOA	Isophorone	ug/kg	4.20E+02	ND	4.32E+02		9.72E-01		none
SD	AES	HA08052	SVOA	Isophorone	ug/kg	4.20E+02	ND	4.32E+02		9.72E-01		none
SD	AES	HA09005	SVOA	Isophorone	ug/kg	4.20E+02	ND	4.32E+02		9.72E-01		none
SD	AES	HA02005	SVOA	Isophorone	ug/kg	4.20E+02	ND	4.32E+02		9.72E-01		none
SD	AES	HA03052	SVOA	Isophorone	ug/kg	4.30E+02	ND	4.32E+02		9.95E-01		none
SD	AES	HA07052	SVOA	Isophorone	ug/kg	4.30E+02	ND	4.32E+02		9.95E-01		none
SD	AES	HA06005	SVOA	Isophorone	ug/kg	4.30E+02	ND	4.32E+02		9.95E-01		none
SD	AES	HA05052	SVOA	Isophorone	ug/kg	4.30E+02	ND	4.32E+02		9.95E-01		none
SD	AES	HA02052	SVOA	Isophorone	ug/kg	4.30E+02	ND	4.32E+02		9.95E-01		none
SD	AES	HA05005	SVOA	Isophorone	ug/kg	4.40E+02	ND	4.32E+02		1.02E+00		poss-ND
SD	AES	HA10005	SVOA	Isophorone	ug/kg	4.40E+02	ND	4.32E+02		1.02E+00		poss-ND
SD	AES	HA10052	SVOA	Isophorone	ug/kg	4.40E+02	ND	4.32E+02		1.02E+00		poss-ND
SD	AES	HA01052	SVOA	Isophorone	ug/kg	4.40E+02	ND	4.32E+02		1.02E+00		poss-ND
SD	AES	HA04005	SVOA	Isophorone	ug/kg	4.40E+02	ND	4.32E+02		1.02E+00		poss-ND
SD	AES	HA01005	SVOA	Naphthalene	ug/kg	4.00E+02	ND	1.76E+02	5.61E+02	2.27E+00	7.13E-01	poss-ND
SD	AES	HA07005	SVOA	Naphthalene	ug/kg	4.10E+02	ND	1.76E+02	5.61E+02	2.33E+00	7.31E-01	poss-ND
SD	AES	HA09052	SVOA	Naphthalene	ug/kg	4.10E+02	ND	1.76E+02	5.61E+02	2.33E+00	7.31E-01	poss-ND
SD	AES	HA06052	SVOA	Naphthalene	ug/kg	4.10E+02	ND	1.76E+02	5.61E+02	2.33E+00	7.31E-01	poss-ND
SD	AES	HA08005	SVOA	Naphthalene	ug/kg	4.10E+02	ND	1.76E+02	5.61E+02	2.33E+00	7.31E-01	poss-ND
SD	AES	HA03005	SVOA	Naphthalene	ug/kg	4.20E+02	ND	1.76E+02	5.61E+02	2.39E+00	7.49E-01	poss-ND
SD	AES	HA04052	SVOA	Naphthalene	ug/kg	4.20E+02	ND	1.76E+02	5.61E+02	2.39E+00	7.49E-01	poss-ND
SD	AES	HA08052	SVOA	Naphthalene	ug/kg	4.20E+02	ND	1.76E+02	5.61E+02	2.39E+00	7.49E-01	poss-ND
SD	AES	HA09005	SVOA	Naphthalene	ug/kg	4.20E+02	ND	1.76E+02	5.61E+02	2.39E+00	7.49E-01	poss-ND
SD	AES	HA02005	SVOA	Naphthalene	ug/kg	4.20E+02	ND	1.76E+02	5.61E+02	2.39E+00	7.49E-01	poss-ND
SD	AES	HA03052	SVOA	Naphthalene	ug/kg	4.30E+02	ND	1.76E+02	5.61E+02	2.44E+00	7.66E-01	poss-ND
SD	AES	HA07052	SVOA	Naphthalene	ug/kg	4.30E+02	ND	1.76E+02	5.61E+02	2.44E+00	7.66E-01	poss-ND
SD	AES	HA06005	SVOA	Naphthalene	ug/kg	4.30E+02	ND	1.76E+02	5.61E+02	2.44E+00	7.66E-01	poss-ND
SD	AES	HA05052	SVOA	Naphthalene	ug/kg	4.30E+02	ND	1.76E+02	5.61E+02	2.44E+00	7.66E-01	poss-ND
SD	AES	HA02052	SVOA	Naphthalene	ug/kg	4.30E+02	ND	1.76E+02	5.61E+02	2.44E+00	7.66E-01	poss-ND
SD	AES	HA05005	SVOA	Naphthalene	ug/kg	4.40E+02	ND	1.76E+02	5.61E+02	2.50E+00	7.84E-01	poss-ND
SD	AES	HA10005	SVOA	Naphthalene	ug/kg	4.40E+02	ND	1.76E+02	5.61E+02	2.50E+00	7.84E-01	poss-ND
SD	AES	HA10052	SVOA	Naphthalene	ug/kg	4.40E+02	ND	1.76E+02	5.61E+02	2.50E+00	7.84E-01	poss-ND
SD	AES	HA01052	SVOA	Naphthalene	ug/kg	4.40E+02	ND	1.76E+02	5.61E+02	2.50E+00	7.84E-01	poss-ND
SD	AES	HA04005	SVOA	Naphthalene	ug/kg	4.40E+02	ND	1.76E+02	5.61E+02	2.50E+00	7.84E-01	poss-ND
SD	AES	HA01005	SVOA	Nitrobenzene	ug/kg	4.00E+02	ND	1.45E+02		2.76E+00		poss-ND
SD	AES	HA07005	SVOA	Nitrobenzene	ug/kg	4.10E+02	ND	1.45E+02		2.83E+00		poss-ND
SD	AES	HA09052	SVOA	Nitrobenzene	ug/kg	4.10E+02	ND	1.45E+02		2.83E+00		poss-ND
SD	AES	HA06052	SVOA	Nitrobenzene	ug/kg	4.10E+02	ND	1.45E+02		2.83E+00		poss-ND
SD	AES	HA08005	SVOA	Nitrobenzene	ug/kg	4.10E+02	ND	1.45E+02		2.83E+00		poss-ND
SD	AES	HA03005	SVOA	Nitrobenzene	ug/kg	4.20E+02	ND	1.45E+02		2.90E+00		poss-ND
SD	AES	HA04052	SVOA	Nitrobenzene	ug/kg	4.20E+02	ND	1.45E+02		2.90E+00		poss-ND
SD	AES	HA08052	SVOA	Nitrobenzene	ug/kg	4.20E+02	ND	1.45E+02		2.90E+00		poss-ND
SD	AES	HA09005	SVOA	Nitrobenzene	ug/kg	4.20E+02	ND	1.45E+02		2.90E+00		poss-ND
SD	AES	HA02005	SVOA	Nitrobenzene	ug/kg	4.20E+02	ND	1.45E+02		2.90E+00		poss-ND
SD	AES	HA03052	SVOA	Nitrobenzene	ug/kg	4.30E+02	ND	1.45E+02		2.97E+00		poss-ND
SD	AES	HA07052	SVOA	Nitrobenzene	ug/kg	4.30E+02	ND	1.45E+02		2.97E+00		poss-ND
SD	AES	HA06005	SVOA	Nitrobenzene	ug/kg	4.30E+02	ND	1.45E+02		2.97E+00		poss-ND
SD	AES	HA05052	SVOA	Nitrobenzene	ug/kg	4.30E+02	ND	1.45E+02		2.97E+00		poss-ND
SD	AES	HA02052	SVOA	Nitrobenzene	ug/kg	4.30E+02	ND	1.45E+02		2.97E+00		poss-ND
SD	AES	HA05005	SVOA	Nitrobenzene	ug/kg	4.40E+02	ND	1.45E+02		3.03E+00		poss-ND
SD	AES	HA10005	SVOA	Nitrobenzene	ug/kg	4.40E+02	ND	1.45E+02		3.03E+00		poss-ND
SD	AES	HA10052	SVOA	Nitrobenzene	ug/kg	4.40E+02	ND	1.45E+02		3.03E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA01052	SVOA	Nitrobenzene	ug/kg	4.40E+02	ND	1.45E+02		3.03E+00		poss-ND
SD	AES	HA04005	SVOA	Nitrobenzene	ug/kg	4.40E+02	ND	1.45E+02		3.03E+00		poss-ND
SD	AES	HA01005	SVOA	Pentachlorophenol	ug/kg	1.90E+03	ND	2.30E+03		8.26E-01		none
SD	AES	HA03005	SVOA	Pentachlorophenol	ug/kg	2.00E+03	ND	2.30E+03		8.70E-01		none
SD	AES	HA07005	SVOA	Pentachlorophenol	ug/kg	2.00E+03	ND	2.30E+03		8.70E-01		none
SD	AES	HA09052	SVOA	Pentachlorophenol	ug/kg	2.00E+03	ND	2.30E+03		8.70E-01		none
SD	AES	HA08052	SVOA	Pentachlorophenol	ug/kg	2.00E+03	ND	2.30E+03		8.70E-01		none
SD	AES	HA06052	SVOA	Pentachlorophenol	ug/kg	2.00E+03	ND	2.30E+03		8.70E-01		none
SD	AES	HA08005	SVOA	Pentachlorophenol	ug/kg	2.00E+03	ND	2.30E+03		8.70E-01		none
SD	AES	HA02005	SVOA	Pentachlorophenol	ug/kg	2.00E+03	ND	2.30E+03		8.70E-01		none
SD	AES	HA03052	SVOA	Pentachlorophenol	ug/kg	2.10E+03	ND	2.30E+03		9.13E-01		none
SD	AES	HA04052	SVOA	Pentachlorophenol	ug/kg	2.10E+03	ND	2.30E+03		9.13E-01		none
SD	AES	HA05005	SVOA	Pentachlorophenol	ug/kg	2.10E+03	ND	2.30E+03		9.13E-01		none
SD	AES	HA10005	SVOA	Pentachlorophenol	ug/kg	2.10E+03	ND	2.30E+03		9.13E-01		none
SD	AES	HA09005	SVOA	Pentachlorophenol	ug/kg	2.10E+03	ND	2.30E+03		9.13E-01		none
SD	AES	HA07052	SVOA	Pentachlorophenol	ug/kg	2.10E+03	ND	2.30E+03		9.13E-01		none
SD	AES	HA06005	SVOA	Pentachlorophenol	ug/kg	2.10E+03	ND	2.30E+03		9.13E-01		none
SD	AES	HA05052	SVOA	Pentachlorophenol	ug/kg	2.10E+03	ND	2.30E+03		9.13E-01		none
SD	AES	HA10052	SVOA	Pentachlorophenol	ug/kg	2.10E+03	ND	2.30E+03		9.13E-01		none
SD	AES	HA02052	SVOA	Pentachlorophenol	ug/kg	2.10E+03	ND	2.30E+03		9.13E-01		none
SD	AES	HA04005	SVOA	Pentachlorophenol	ug/kg	2.10E+03	ND	2.30E+03		9.13E-01		none
SD	AES	HA01052	SVOA	Pentachlorophenol	ug/kg	2.20E+03	ND	2.30E+03		9.57E-01		none
SD	AES	HA01005	SVOA	Phenanthrene	ug/kg	4.00E+02	ND	2.04E+02	1.17E+03	1.96E+00	3.42E-01	poss-ND
SD	AES	HA07005	SVOA	Phenanthrene	ug/kg	4.10E+02	ND	2.04E+02	1.17E+03	2.01E+00	3.50E-01	poss-ND
SD	AES	HA09052	SVOA	Phenanthrene	ug/kg	4.10E+02	ND	2.04E+02	1.17E+03	2.01E+00	3.50E-01	poss-ND
SD	AES	HA06052	SVOA	Phenanthrene	ug/kg	4.10E+02	ND	2.04E+02	1.17E+03	2.01E+00	3.50E-01	poss-ND
SD	AES	HA08005	SVOA	Phenanthrene	ug/kg	4.10E+02	ND	2.04E+02	1.17E+03	2.01E+00	3.50E-01	poss-ND
SD	AES	HA03005	SVOA	Phenanthrene	ug/kg	4.20E+02	ND	2.04E+02	1.17E+03	2.06E+00	3.59E-01	poss-ND
SD	AES	HA04052	SVOA	Phenanthrene	ug/kg	4.20E+02	ND	2.04E+02	1.17E+03	2.06E+00	3.59E-01	poss-ND
SD	AES	HA08052	SVOA	Phenanthrene	ug/kg	4.20E+02	ND	2.04E+02	1.17E+03	2.06E+00	3.59E-01	poss-ND
SD	AES	HA09005	SVOA	Phenanthrene	ug/kg	4.20E+02	ND	2.04E+02	1.17E+03	2.06E+00	3.59E-01	poss-ND
SD	AES	HA02005	SVOA	Phenanthrene	ug/kg	4.20E+02	ND	2.04E+02	1.17E+03	2.06E+00	3.59E-01	poss-ND
SD	AES	HA03052	SVOA	Phenanthrene	ug/kg	4.30E+02	ND	2.04E+02	1.17E+03	2.11E+00	3.68E-01	poss-ND
SD	AES	HA07052	SVOA	Phenanthrene	ug/kg	4.30E+02	ND	2.04E+02	1.17E+03	2.11E+00	3.68E-01	poss-ND
SD	AES	HA06005	SVOA	Phenanthrene	ug/kg	4.30E+02	ND	2.04E+02	1.17E+03	2.11E+00	3.68E-01	poss-ND
SD	AES	HA05052	SVOA	Phenanthrene	ug/kg	4.30E+02	ND	2.04E+02	1.17E+03	2.11E+00	3.68E-01	poss-ND
SD	AES	HA02052	SVOA	Phenanthrene	ug/kg	4.30E+02	ND	2.04E+02	1.17E+03	2.11E+00	3.68E-01	poss-ND
SD	AES	HA05005	SVOA	Phenanthrene	ug/kg	4.40E+02	ND	2.04E+02	1.17E+03	2.16E+00	3.76E-01	poss-ND
SD	AES	HA10005	SVOA	Phenanthrene	ug/kg	4.40E+02	ND	2.04E+02	1.17E+03	2.16E+00	3.76E-01	poss-ND
SD	AES	HA10052	SVOA	Phenanthrene	ug/kg	4.40E+02	ND	2.04E+02	1.17E+03	2.16E+00	3.76E-01	poss-ND
SD	AES	HA01052	SVOA	Phenanthrene	ug/kg	4.40E+02	ND	2.04E+02	1.17E+03	2.16E+00	3.76E-01	poss-ND
SD	AES	HA04005	SVOA	Phenanthrene	ug/kg	4.40E+02	ND	2.04E+02	1.17E+03	2.16E+00	3.76E-01	poss-ND
SD	AES	HA01005	SVOA	Phenol	ug/kg	4.00E+02	ND	4.91E+01		8.15E+00		poss-ND
SD	AES	HA07005	SVOA	Phenol	ug/kg	4.10E+02	ND	4.91E+01		8.35E+00		poss-ND
SD	AES	HA09052	SVOA	Phenol	ug/kg	4.10E+02	ND	4.91E+01		8.35E+00		poss-ND
SD	AES	HA06052	SVOA	Phenol	ug/kg	4.10E+02	ND	4.91E+01		8.35E+00		poss-ND
SD	AES	HA08005	SVOA	Phenol	ug/kg	4.10E+02	ND	4.91E+01		8.35E+00		poss-ND
SD	AES	HA03005	SVOA	Phenol	ug/kg	4.20E+02	ND	4.91E+01		8.55E+00		poss-ND
SD	AES	HA04052	SVOA	Phenol	ug/kg	4.20E+02	ND	4.91E+01		8.55E+00		poss-ND
SD	AES	HA08052	SVOA	Phenol	ug/kg	4.20E+02	ND	4.91E+01		8.55E+00		poss-ND
SD	AES	HA09005	SVOA	Phenol	ug/kg	4.20E+02	ND	4.91E+01		8.55E+00		poss-ND
SD	AES	HA02005	SVOA	Phenol	ug/kg	4.20E+02	ND	4.91E+01		8.55E+00		poss-ND
SD	AES	HA02052	SVOA	Phenol	ug/kg	4.30E+02	ND	4.91E+01		8.76E+00		poss-ND
SD	AES	HA07052	SVOA	Phenol	ug/kg	4.30E+02	ND	4.91E+01		8.76E+00		poss-ND
SD	AES	HA06005	SVOA	Phenol	ug/kg	4.30E+02	ND	4.91E+01		8.76E+00		poss-ND
SD	AES	HA05052	SVOA	Phenol	ug/kg	4.30E+02	ND	4.91E+01		8.76E+00		poss-ND
SD	AES	HA03052	SVOA	Phenol	ug/kg	4.30E+02	ND	4.91E+01		8.76E+00		poss-ND
SD	AES	HA05005	SVOA	Phenol	ug/kg	4.40E+02	ND	4.91E+01		8.96E+00		poss-ND
SD	AES	HA10005	SVOA	Phenol	ug/kg	4.40E+02	ND	4.91E+01		8.96E+00		poss-ND
SD	AES	HA10052	SVOA	Phenol	ug/kg	4.40E+02	ND	4.91E+01		8.96E+00		poss-ND
SD	AES	HA01052	SVOA	Phenol	ug/kg	4.40E+02	ND	4.91E+01		8.96E+00		poss-ND
SD	AES	HA04005	SVOA	Phenol	ug/kg	4.40E+02	ND	4.91E+01		8.96E+00		poss-ND
SD	AES	HA01005	SVOA	Pyrene	ug/kg	4.00E+02	ND	1.95E+02	1.52E+03	2.05E+00	2.63E-01	poss-ND
SD	AES	HA07005	SVOA	Pyrene	ug/kg	4.10E+02	ND	1.95E+02	1.52E+03	2.10E+00	2.70E-01	poss-ND
SD	AES	HA09052	SVOA	Pyrene	ug/kg	4.10E+02	ND	1.95E+02	1.52E+03	2.10E+00	2.70E-01	poss-ND
SD	AES	HA06052	SVOA	Pyrene	ug/kg	4.10E+02	ND	1.95E+02	1.52E+03	2.10E+00	2.70E-01	poss-ND
SD	AES	HA08005	SVOA	Pyrene	ug/kg	4.10E+02	ND	1.95E+02	1.52E+03	2.10E+00	2.70E-01	poss-ND
SD	AES	HA03005	SVOA	Pyrene	ug/kg	4.20E+02	ND	1.95E+02	1.52E+03	2.15E+00	2.76E-01	poss-ND
SD	AES	HA08052	SVOA	Pyrene	ug/kg	4.20E+02	ND	1.95E+02	1.52E+03	2.15E+00	2.76E-01	poss-ND
SD	AES	HA09005	SVOA	Pyrene	ug/kg	4.20E+02	ND	1.95E+02	1.52E+03	2.15E+00	2.76E-01	poss-ND
SD	AES	HA04052	SVOA	Pyrene	ug/kg	4.20E+02	ND	1.95E+02	1.52E+03	2.15E+00	2.76E-01	poss-ND
SD	AES	HA02005	SVOA	Pyrene	ug/kg	4.20E+02	ND	1.95E+02	1.52E+03	2.15E+00	2.76E-01	poss-ND
SD	AES	HA03052	SVOA	Pyrene	ug/kg	4.30E+02	ND	1.95E+02	1.52E+03	2.21E+00	2.83E-01	poss-ND
SD	AES	HA02052	SVOA	Pyrene	ug/kg	4.30E+02	ND	1.95E+02	1.52E+03	2.21E+00	2.83E-01	poss-ND
SD	AES	HA07052	SVOA	Pyrene	ug/kg	4.30E+02	ND	1.95E+02	1.52E+03	2.21E+00	2.83E-01	poss-ND
SD	AES	HA06005	SVOA	Pyrene	ug/kg	4.30E+02	ND	1.95E+02	1.52E+03	2.21E+00	2.83E-01	poss-ND
SD	AES	HA05052	SVOA	Pyrene	ug/kg	4.30E+02	ND	1.95E+02	1.52E+03	2.21E+00	2.83E-01	poss-ND
SD	AES	HA05005	SVOA	Pyrene	ug/kg	4.40E+02	ND	1.95E+02	1.52E+03	2.26E+00	2.89E-01	poss-ND
SD	AES	HA10005	SVOA	Pyrene	ug/kg	4.40E+02	ND	1.95E+02	1.52E+03	2.26E+00	2.89E-01	poss-ND
SD	AES	HA10052	SVOA	Pyrene	ug/kg	4.40E+02	ND	1.95E+02	1.52E+03	2.26E+00	2.89E-01	poss-ND
SD	AES	HA01052	SVOA	Pyrene	ug/kg	4.40E+02	ND	1.95E+02	1.52E+03	2.26E+00	2.89E-01	poss-ND
SD	AES	HA04005	SVOA	Pyrene	ug/kg	4.40E+02	ND	1.95E+02	1.52E+03	2.26E+00	2.89E-01	poss-ND
SD	AES	HA01005	SVOA	Pyridine	ug/kg	8.00E+02	ND	1.06E+02		7.55E+00		poss-ND
SD	AES	HA09052	SVOA	Pyridine	ug/kg	8.20E+02	ND	1.06E+02		7.74E+00		poss-ND
SD	AES	HA08005	SVOA	Pyridine	ug/kg	8.20E+02	ND	1.06E+02		7.74E+00		poss-ND
SD	AES	HA03005	SVOA	Pyridine	ug/kg	8.30E+02	ND	1.06E+02		7.83E+00		poss-ND
SD	AES	HA07005	SVOA	Pyridine	ug/kg	8.30E+02	ND	1.06E+02		7.83E+00		poss-ND
SD	AES	HA06052	SVOA	Pyridine	ug/kg	8.30E+02	ND	1.06E+02		7.83E+00		poss-ND
SD	AES	HA08052	SVOA	Pyridine	ug/kg	8.40E+02	ND	1.06E+02		7.92E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA02005	SVOA	Pyridine	ug/kg	8.40E+02	ND	1.06E+02		7.92E+00		poss-ND
SD	AES	HA04052	SVOA	Pyridine	ug/kg	8.50E+02	ND	1.06E+02		8.02E+00		poss-ND
SD	AES	HA09005	SVOA	Pyridine	ug/kg	8.50E+02	ND	1.06E+02		8.02E+00		poss-ND
SD	AES	HA07052	SVOA	Pyridine	ug/kg	8.50E+02	ND	1.06E+02		8.02E+00		poss-ND
SD	AES	HA03052	SVOA	Pyridine	ug/kg	8.60E+02	ND	1.06E+02		8.11E+00		poss-ND
SD	AES	HA06005	SVOA	Pyridine	ug/kg	8.60E+02	ND	1.06E+02		8.11E+00		poss-ND
SD	AES	HA02052	SVOA	Pyridine	ug/kg	8.70E+02	ND	1.06E+02		8.21E+00		poss-ND
SD	AES	HA05005	SVOA	Pyridine	ug/kg	8.70E+02	ND	1.06E+02		8.21E+00		poss-ND
SD	AES	HA10005	SVOA	Pyridine	ug/kg	8.70E+02	ND	1.06E+02		8.21E+00		poss-ND
SD	AES	HA10052	SVOA	Pyridine	ug/kg	8.70E+02	ND	1.06E+02		8.21E+00		poss-ND
SD	AES	HA05052	SVOA	Pyridine	ug/kg	8.70E+02	ND	1.06E+02		8.21E+00		poss-ND
SD	AES	HA04005	SVOA	Pyridine	ug/kg	8.70E+02	ND	1.06E+02		8.21E+00		poss-ND
SD	AES	HA01052	SVOA	Pyridine	ug/kg	8.90E+02	ND	1.06E+02		8.40E+00		poss-ND
SD	AES	HA01005	SVOC	Total PAHs	ug/kg	5200	ND	1.61E+03	2.28E+04	3.23E+00	2.28E-01	Poss-ND
SD	AES	HA01052	SVOC	Total PAHs	ug/kg	5720	ND	1.61E+03	2.28E+04	3.55E+00	2.51E-01	Poss-ND
SD	AES	HA02005	SVOC	Total PAHs	ug/kg	5460	ND	1.61E+03	2.28E+04	3.39E+00	2.39E-01	Poss-ND
SD	AES	HA02052	SVOC	Total PAHs	ug/kg	5590	ND	1.61E+03	2.28E+04	3.47E+00	2.45E-01	Poss-ND
SD	AES	HA03005	SVOC	Total PAHs	ug/kg	5460	ND	1.61E+03	2.28E+04	3.39E+00	2.39E-01	Poss-ND
SD	AES	HA03052	SVOC	Total PAHs	ug/kg	5590	ND	1.61E+03	2.28E+04	3.47E+00	2.45E-01	Poss-ND
SD	AES	HA04005	SVOC	Total PAHs	ug/kg	5720	ND	1.61E+03	2.28E+04	3.55E+00	2.51E-01	Poss-ND
SD	AES	HA04052	SVOC	Total PAHs	ug/kg	5460	ND	1.61E+03	2.28E+04	3.39E+00	2.39E-01	Poss-ND
SD	AES	HA05005	SVOC	Total PAHs	ug/kg	5720	ND	1.61E+03	2.28E+04	3.55E+00	2.51E-01	Poss-ND
SD	AES	HA05052	SVOC	Total PAHs	ug/kg	5590	ND	1.61E+03	2.28E+04	3.47E+00	2.45E-01	Poss-ND
SD	AES	HA06005	SVOC	Total PAHs	ug/kg	5590	ND	1.61E+03	2.28E+04	3.47E+00	2.45E-01	Poss-ND
SD	AES	HA06052	SVOC	Total PAHs	ug/kg	5330	ND	1.61E+03	2.28E+04	3.31E+00	2.34E-01	Poss-ND
SD	AES	HA07005	SVOC	Total PAHs	ug/kg	5330	ND	1.61E+03	2.28E+04	3.31E+00	2.34E-01	Poss-ND
SD	AES	HA07052	SVOC	Total PAHs	ug/kg	5590	ND	1.61E+03	2.28E+04	3.47E+00	2.45E-01	Poss-ND
SD	AES	HA08005	SVOC	Total PAHs	ug/kg	5330	ND	1.61E+03	2.28E+04	3.31E+00	2.34E-01	Poss-ND
SD	AES	HA08052	SVOC	Total PAHs	ug/kg	5460	ND	1.61E+03	2.28E+04	3.39E+00	2.39E-01	Poss-ND
SD	AES	HA09005	SVOC	Total PAHs	ug/kg	5460	ND	1.61E+03	2.28E+04	3.39E+00	2.39E-01	Poss-ND
SD	AES	HA09052	SVOC	Total PAHs	ug/kg	5330	ND	1.61E+03	2.28E+04	3.31E+00	2.34E-01	Poss-ND
SD	AES	HA10005	SVOC	Total PAHs	ug/kg	5720	ND	1.61E+03	2.28E+04	3.55E+00	2.51E-01	Poss-ND
SD	AES	HA10052	SVOC	Total PAHs	ug/kg	5720	ND	1.61E+03	2.28E+04	3.55E+00	2.51E-01	Poss-ND
SD	AES	HA09005	VOA	1,1,1-Trichloroethane	ug/kg	6.50E-01	DET	1.70E+02		3.82E-03		none
SD	AES	HA03052	VOA	1,1,1-Trichloroethane	ug/kg	7.30E-01	DET	1.70E+02		4.29E-03		none
SD	AES	HA02052	VOA	1,1,1-Trichloroethane	ug/kg	7.90E-01	DET	1.70E+02		4.65E-03		none
SD	AES	HA02005	VOA	1,1,1-Trichloroethane	ug/kg	8.00E-01	DET	1.70E+02		4.71E-03		none
SD	AES	HA05005	VOA	1,1,1-Trichloroethane	ug/kg	8.10E-01	DET	1.70E+02		4.76E-03		none
SD	AES	HA10005	VOA	1,1,1-Trichloroethane	ug/kg	8.20E-01	DET	1.70E+02		4.82E-03		none
SD	AES	HA08052	VOA	1,1,1-Trichloroethane	ug/kg	8.80E-01	DET	1.70E+02		5.18E-03		none
SD	AES	HA10052	VOA	1,1,1-Trichloroethane	ug/kg	9.70E-01	DET	1.70E+02		5.71E-03		none
SD	AES	HA01005	VOA	1,1,1-Trichloroethane	ug/kg	9.90E-01	DET	1.70E+02		5.82E-03		none
SD	AES	HA03005	VOA	1,1,1-Trichloroethane	ug/kg	1.00E+00	DET	1.70E+02		5.88E-03		none
SD	AES	HA07005	VOA	1,1,1-Trichloroethane	ug/kg	1.20E+00	DET	1.70E+02		7.06E-03		none
SD	AES	HA08005	VOA	1,1,1-Trichloroethane	ug/kg	1.20E+00	DET	1.70E+02		7.06E-03		none
SD	AES	HA06005	VOA	1,1,1-Trichloroethane	ug/kg	1.30E+00	DET	1.70E+02		7.65E-03		none
SD	AES	HA04005	VOA	1,1,1-Trichloroethane	ug/kg	2.80E+00	DET	1.70E+02		1.65E-02		none
SD	AES	HA09052	VOA	1,1,1-Trichloroethane	ug/kg	6.20E+00	ND	1.70E+02		3.65E-02		none
SD	AES	HA06052	VOA	1,1,1-Trichloroethane	ug/kg	6.30E+00	ND	1.70E+02		3.71E-02		none
SD	AES	HA04052	VOA	1,1,1-Trichloroethane	ug/kg	6.40E+00	ND	1.70E+02		3.76E-02		none
SD	AES	HA07052	VOA	1,1,1-Trichloroethane	ug/kg	6.50E+00	ND	1.70E+02		3.82E-02		none
SD	AES	HA05052	VOA	1,1,1-Trichloroethane	ug/kg	6.60E+00	ND	1.70E+02		3.88E-02		none
SD	AES	HA01052	VOA	1,1,1-Trichloroethane	ug/kg	6.70E+00	ND	1.70E+02		3.94E-02		none
SD	AES	HA01005	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.10E+00	ND	9.40E+02		6.49E-03		none
SD	AES	HA09052	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.20E+00	ND	9.40E+02		6.60E-03		none
SD	AES	HA08005	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.20E+00	ND	9.40E+02		6.60E-03		none
SD	AES	HA03005	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.30E+00	ND	9.40E+02		6.70E-03		none
SD	AES	HA07005	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.30E+00	ND	9.40E+02		6.70E-03		none
SD	AES	HA06052	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.30E+00	ND	9.40E+02		6.70E-03		none
SD	AES	HA04052	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.40E+00	ND	9.40E+02		6.81E-03		none
SD	AES	HA08052	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.40E+00	ND	9.40E+02		6.81E-03		none
SD	AES	HA09005	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.40E+00	ND	9.40E+02		6.81E-03		none
SD	AES	HA02005	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.40E+00	ND	9.40E+02		6.81E-03		none
SD	AES	HA03052	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.50E+00	ND	9.40E+02		6.91E-03		none
SD	AES	HA07052	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.50E+00	ND	9.40E+02		6.91E-03		none
SD	AES	HA06005	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.50E+00	ND	9.40E+02		6.91E-03		none
SD	AES	HA04005	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.60E+00	ND	9.40E+02		7.02E-03		none
SD	AES	HA02052	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.60E+00	ND	9.40E+02		7.02E-03		none
SD	AES	HA05052	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.60E+00	ND	9.40E+02		7.02E-03		none
SD	AES	HA10052	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.60E+00	ND	9.40E+02		7.02E-03		none
SD	AES	HA10005	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.60E+00	ND	9.40E+02		7.02E-03		none
SD	AES	HA05005	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.60E+00	ND	9.40E+02		7.02E-03		none
SD	AES	HA01052	VOA	1,1,2,2-Tetrachloroethane	ug/kg	6.70E+00	ND	9.40E+02		7.13E-03		none
SD	AES	HA01005	VOA	1,1,2-Trichloroethane	ug/kg	6.10E+00	ND	5.18E+02		1.18E-02		none
SD	AES	HA09052	VOA	1,1,2-Trichloroethane	ug/kg	6.20E+00	ND	5.18E+02		1.20E-02		none
SD	AES	HA08005	VOA	1,1,2-Trichloroethane	ug/kg	6.20E+00	ND	5.18E+02		1.20E-02		none
SD	AES	HA03005	VOA	1,1,2-Trichloroethane	ug/kg	6.30E+00	ND	5.18E+02		1.22E-02		none
SD	AES	HA07005	VOA	1,1,2-Trichloroethane	ug/kg	6.30E+00	ND	5.18E+02		1.22E-02		none
SD	AES	HA06052	VOA	1,1,2-Trichloroethane	ug/kg	6.30E+00	ND	5.18E+02		1.22E-02		none
SD	AES	HA04052	VOA	1,1,2-Trichloroethane	ug/kg	6.40E+00	ND	5.18E+02		1.24E-02		none
SD	AES	HA08052	VOA	1,1,2-Trichloroethane	ug/kg	6.40E+00	ND	5.18E+02		1.24E-02		none
SD	AES	HA09005	VOA	1,1,2-Trichloroethane	ug/kg	6.40E+00	ND	5.18E+02		1.24E-02		none
SD	AES	HA02005	VOA	1,1,2-Trichloroethane	ug/kg	6.40E+00	ND	5.18E+02		1.24E-02		none
SD	AES	HA03052	VOA	1,1,2-Trichloroethane	ug/kg	6.50E+00	ND	5.18E+02		1.25E-02		none
SD	AES	HA07052	VOA	1,1,2-Trichloroethane	ug/kg	6.50E+00	ND	5.18E+02		1.25E-02		none
SD	AES	HA06005	VOA	1,1,2-Trichloroethane	ug/kg	6.50E+00	ND	5.18E+02		1.25E-02		none
SD	AES	HA04005	VOA	1,1,2-Trichloroethane	ug/kg	6.60E+00	ND	5.18E+02		1.27E-02		none
SD	AES	HA02052	VOA	1,1,2-Trichloroethane	ug/kg	6.60E+00	ND	5.18E+02		1.27E-02		none
SD	AES	HA05005	VOA	1,1,2-Trichloroethane	ug/kg	6.60E+00	ND	5.18E+02		1.27E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA05052	VOA	1,1,2-Trichloroethane	ug/kg	6.60E+00	ND	5.18E+02		1.27E-02		none
SD	AES	HA10052	VOA	1,1,2-Trichloroethane	ug/kg	6.60E+00	ND	5.18E+02		1.27E-02		none
SD	AES	HA10005	VOA	1,1,2-Trichloroethane	ug/kg	6.60E+00	ND	5.18E+02		1.27E-02		none
SD	AES	HA01052	VOA	1,1,2-Trichloroethane	ug/kg	6.70E+00	ND	5.18E+02		1.29E-02		none
SD	AES	HA04005	VOA	1,1-Dichloroethane	ug/kg	1.20E+00	DET	5.75E-01		2.09E+00		poss-det
SD	AES	HA01005	VOA	1,1-Dichloroethane	ug/kg	6.10E+00	ND	5.75E-01		1.06E+01		poss-ND
SD	AES	HA09052	VOA	1,1-Dichloroethane	ug/kg	6.20E+00	ND	5.75E-01		1.08E+01		poss-ND
SD	AES	HA08005	VOA	1,1-Dichloroethane	ug/kg	6.20E+00	ND	5.75E-01		1.08E+01		poss-ND
SD	AES	HA03005	VOA	1,1-Dichloroethane	ug/kg	6.30E+00	ND	5.75E-01		1.10E+01		poss-ND
SD	AES	HA07005	VOA	1,1-Dichloroethane	ug/kg	6.30E+00	ND	5.75E-01		1.10E+01		poss-ND
SD	AES	HA06052	VOA	1,1-Dichloroethane	ug/kg	6.30E+00	ND	5.75E-01		1.10E+01		poss-ND
SD	AES	HA04052	VOA	1,1-Dichloroethane	ug/kg	6.40E+00	ND	5.75E-01		1.11E+01		poss-ND
SD	AES	HA08052	VOA	1,1-Dichloroethane	ug/kg	6.40E+00	ND	5.75E-01		1.11E+01		poss-ND
SD	AES	HA09005	VOA	1,1-Dichloroethane	ug/kg	6.40E+00	ND	5.75E-01		1.11E+01		poss-ND
SD	AES	HA02005	VOA	1,1-Dichloroethane	ug/kg	6.40E+00	ND	5.75E-01		1.11E+01		poss-ND
SD	AES	HA03052	VOA	1,1-Dichloroethane	ug/kg	6.50E+00	ND	5.75E-01		1.13E+01		poss-ND
SD	AES	HA07052	VOA	1,1-Dichloroethane	ug/kg	6.50E+00	ND	5.75E-01		1.13E+01		poss-ND
SD	AES	HA06005	VOA	1,1-Dichloroethane	ug/kg	6.50E+00	ND	5.75E-01		1.13E+01		poss-ND
SD	AES	HA02052	VOA	1,1-Dichloroethane	ug/kg	6.60E+00	ND	5.75E-01		1.15E+01		poss-ND
SD	AES	HA05005	VOA	1,1-Dichloroethane	ug/kg	6.60E+00	ND	5.75E-01		1.15E+01		poss-ND
SD	AES	HA05052	VOA	1,1-Dichloroethane	ug/kg	6.60E+00	ND	5.75E-01		1.15E+01		poss-ND
SD	AES	HA10052	VOA	1,1-Dichloroethane	ug/kg	6.60E+00	ND	5.75E-01		1.15E+01		poss-ND
SD	AES	HA10005	VOA	1,1-Dichloroethane	ug/kg	6.60E+00	ND	5.75E-01		1.15E+01		poss-ND
SD	AES	HA01052	VOA	1,1-Dichloroethane	ug/kg	6.70E+00	ND	5.75E-01		1.17E+01		poss-ND
SD	AES	HA01005	VOA	1,1-Dichloroethene	ug/kg	6.10E+00	ND	1.94E+01		3.14E-01		none
SD	AES	HA09052	VOA	1,1-Dichloroethene	ug/kg	6.20E+00	ND	1.94E+01		3.20E-01		none
SD	AES	HA08005	VOA	1,1-Dichloroethene	ug/kg	6.20E+00	ND	1.94E+01		3.20E-01		none
SD	AES	HA03005	VOA	1,1-Dichloroethene	ug/kg	6.30E+00	ND	1.94E+01		3.25E-01		none
SD	AES	HA06052	VOA	1,1-Dichloroethene	ug/kg	6.30E+00	ND	1.94E+01		3.25E-01		none
SD	AES	HA07005	VOA	1,1-Dichloroethene	ug/kg	6.30E+00	ND	1.94E+01		3.25E-01		none
SD	AES	HA04052	VOA	1,1-Dichloroethene	ug/kg	6.40E+00	ND	1.94E+01		3.30E-01		none
SD	AES	HA08052	VOA	1,1-Dichloroethene	ug/kg	6.40E+00	ND	1.94E+01		3.30E-01		none
SD	AES	HA09005	VOA	1,1-Dichloroethene	ug/kg	6.40E+00	ND	1.94E+01		3.30E-01		none
SD	AES	HA02005	VOA	1,1-Dichloroethene	ug/kg	6.40E+00	ND	1.94E+01		3.30E-01		none
SD	AES	HA03052	VOA	1,1-Dichloroethene	ug/kg	6.50E+00	ND	1.94E+01		3.35E-01		none
SD	AES	HA07052	VOA	1,1-Dichloroethene	ug/kg	6.50E+00	ND	1.94E+01		3.35E-01		none
SD	AES	HA06005	VOA	1,1-Dichloroethene	ug/kg	6.50E+00	ND	1.94E+01		3.35E-01		none
SD	AES	HA04005	VOA	1,1-Dichloroethene	ug/kg	6.60E+00	ND	1.94E+01		3.40E-01		none
SD	AES	HA02052	VOA	1,1-Dichloroethene	ug/kg	6.60E+00	ND	1.94E+01		3.40E-01		none
SD	AES	HA05005	VOA	1,1-Dichloroethene	ug/kg	6.60E+00	ND	1.94E+01		3.40E-01		none
SD	AES	HA05052	VOA	1,1-Dichloroethene	ug/kg	6.60E+00	ND	1.94E+01		3.40E-01		none
SD	AES	HA10052	VOA	1,1-Dichloroethene	ug/kg	6.60E+00	ND	1.94E+01		3.40E-01		none
SD	AES	HA10005	VOA	1,1-Dichloroethene	ug/kg	6.60E+00	ND	1.94E+01		3.40E-01		none
SD	AES	HA01052	VOA	1,1-Dichloroethene	ug/kg	6.70E+00	ND	1.94E+01		3.45E-01		none
SD	AES	HA01005	VOA	1,2-Dichloroethane	ug/kg	6.10E+00	ND	2.60E+02		2.35E-02		none
SD	AES	HA09052	VOA	1,2-Dichloroethane	ug/kg	6.20E+00	ND	2.60E+02		2.38E-02		none
SD	AES	HA08005	VOA	1,2-Dichloroethane	ug/kg	6.20E+00	ND	2.60E+02		2.38E-02		none
SD	AES	HA03005	VOA	1,2-Dichloroethane	ug/kg	6.30E+00	ND	2.60E+02		2.42E-02		none
SD	AES	HA07005	VOA	1,2-Dichloroethane	ug/kg	6.30E+00	ND	2.60E+02		2.42E-02		none
SD	AES	HA06052	VOA	1,2-Dichloroethane	ug/kg	6.30E+00	ND	2.60E+02		2.42E-02		none
SD	AES	HA04052	VOA	1,2-Dichloroethane	ug/kg	6.40E+00	ND	2.60E+02		2.46E-02		none
SD	AES	HA08052	VOA	1,2-Dichloroethane	ug/kg	6.40E+00	ND	2.60E+02		2.46E-02		none
SD	AES	HA09005	VOA	1,2-Dichloroethane	ug/kg	6.40E+00	ND	2.60E+02		2.46E-02		none
SD	AES	HA02005	VOA	1,2-Dichloroethane	ug/kg	6.40E+00	ND	2.60E+02		2.46E-02		none
SD	AES	HA03052	VOA	1,2-Dichloroethane	ug/kg	6.50E+00	ND	2.60E+02		2.50E-02		none
SD	AES	HA07052	VOA	1,2-Dichloroethane	ug/kg	6.50E+00	ND	2.60E+02		2.50E-02		none
SD	AES	HA06005	VOA	1,2-Dichloroethane	ug/kg	6.50E+00	ND	2.60E+02		2.50E-02		none
SD	AES	HA04005	VOA	1,2-Dichloroethane	ug/kg	6.60E+00	ND	2.60E+02		2.54E-02		none
SD	AES	HA02052	VOA	1,2-Dichloroethane	ug/kg	6.60E+00	ND	2.60E+02		2.54E-02		none
SD	AES	HA05005	VOA	1,2-Dichloroethane	ug/kg	6.60E+00	ND	2.60E+02		2.54E-02		none
SD	AES	HA05052	VOA	1,2-Dichloroethane	ug/kg	6.60E+00	ND	2.60E+02		2.54E-02		none
SD	AES	HA10052	VOA	1,2-Dichloroethane	ug/kg	6.60E+00	ND	2.60E+02		2.54E-02		none
SD	AES	HA10005	VOA	1,2-Dichloroethane	ug/kg	6.60E+00	ND	2.60E+02		2.54E-02		none
SD	AES	HA01052	VOA	1,2-Dichloroethane	ug/kg	6.70E+00	ND	2.60E+02		2.58E-02		none
SD	AES	HA01005	VOA	1,2-Dichloropropane	ug/kg	6.10E+00	ND	3.33E+02		1.83E-02		none
SD	AES	HA09052	VOA	1,2-Dichloropropane	ug/kg	6.20E+00	ND	3.33E+02		1.86E-02		none
SD	AES	HA08005	VOA	1,2-Dichloropropane	ug/kg	6.20E+00	ND	3.33E+02		1.86E-02		none
SD	AES	HA03005	VOA	1,2-Dichloropropane	ug/kg	6.30E+00	ND	3.33E+02		1.89E-02		none
SD	AES	HA07005	VOA	1,2-Dichloropropane	ug/kg	6.30E+00	ND	3.33E+02		1.89E-02		none
SD	AES	HA06052	VOA	1,2-Dichloropropane	ug/kg	6.30E+00	ND	3.33E+02		1.89E-02		none
SD	AES	HA04052	VOA	1,2-Dichloropropane	ug/kg	6.40E+00	ND	3.33E+02		1.92E-02		none
SD	AES	HA08052	VOA	1,2-Dichloropropane	ug/kg	6.40E+00	ND	3.33E+02		1.92E-02		none
SD	AES	HA09005	VOA	1,2-Dichloropropane	ug/kg	6.40E+00	ND	3.33E+02		1.92E-02		none
SD	AES	HA02005	VOA	1,2-Dichloropropane	ug/kg	6.40E+00	ND	3.33E+02		1.92E-02		none
SD	AES	HA03052	VOA	1,2-Dichloropropane	ug/kg	6.50E+00	ND	3.33E+02		1.95E-02		none
SD	AES	HA07052	VOA	1,2-Dichloropropane	ug/kg	6.50E+00	ND	3.33E+02		1.95E-02		none
SD	AES	HA06005	VOA	1,2-Dichloropropane	ug/kg	6.50E+00	ND	3.33E+02		1.95E-02		none
SD	AES	HA04005	VOA	1,2-Dichloropropane	ug/kg	6.60E+00	ND	3.33E+02		1.98E-02		none
SD	AES	HA02052	VOA	1,2-Dichloropropane	ug/kg	6.60E+00	ND	3.33E+02		1.98E-02		none
SD	AES	HA05005	VOA	1,2-Dichloropropane	ug/kg	6.60E+00	ND	3.33E+02		1.98E-02		none
SD	AES	HA05052	VOA	1,2-Dichloropropane	ug/kg	6.60E+00	ND	3.33E+02		1.98E-02		none
SD	AES	HA10052	VOA	1,2-Dichloropropane	ug/kg	6.60E+00	ND	3.33E+02		1.98E-02		none
SD	AES	HA10005	VOA	1,2-Dichloropropane	ug/kg	6.60E+00	ND	3.33E+02		1.98E-02		none
SD	AES	HA01052	VOA	1,2-Dichloropropane	ug/kg	6.70E+00	ND	3.33E+02		2.01E-02		none
SD	AES	HA02052	VOA	2-Butanone	ug/kg	5.70E+00	DET	4.24E+01		1.34E-01		none
SD	AES	HA01052	VOA	2-Butanone	ug/kg	5.70E+00	DET	4.24E+01		1.34E-01		none
SD	AES	HA06052	VOA	2-Butanone	ug/kg	5.90E+00	DET	4.24E+01		1.39E-01		none
SD	AES	HA03005	VOA	2-Butanone	ug/kg	6.10E+00	DET	4.24E+01		1.44E-01		none
SD	AES	HA04052	VOA	2-Butanone	ug/kg	6.50E+00	DET	4.24E+01		1.53E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA06005	VOA	2-Butanone	ug/kg	6.50E+00	DET	4.24E+01		1.53E-01		none
SD	AES	HA01005	VOA	2-Butanone	ug/kg	6.60E+00	DET	4.24E+01		1.56E-01		none
SD	AES	HA05005	VOA	2-Butanone	ug/kg	6.70E+00	DET	4.24E+01		1.58E-01		none
SD	AES	HA09052	VOA	2-Butanone	ug/kg	6.80E+00	DET	4.24E+01		1.60E-01		none
SD	AES	HA03052	VOA	2-Butanone	ug/kg	9.60E+00	DET	4.24E+01		2.26E-01		none
SD	AES	HA04005	VOA	2-Butanone	ug/kg	2.40E+01	DET	4.24E+01		5.66E-01		none
SD	AES	HA07005	VOA	2-Butanone	ug/kg	2.50E+01	ND	4.24E+01		5.90E-01		none
SD	AES	HA08005	VOA	2-Butanone	ug/kg	2.50E+01	ND	4.24E+01		5.90E-01		none
SD	AES	HA02005	VOA	2-Butanone	ug/kg	2.50E+01	ND	4.24E+01		5.90E-01		none
SD	AES	HA08052	VOA	2-Butanone	ug/kg	2.60E+01	ND	4.24E+01		6.13E-01		none
SD	AES	HA09005	VOA	2-Butanone	ug/kg	2.60E+01	ND	4.24E+01		6.13E-01		none
SD	AES	HA07052	VOA	2-Butanone	ug/kg	2.60E+01	ND	4.24E+01		6.13E-01		none
SD	AES	HA05052	VOA	2-Butanone	ug/kg	2.60E+01	ND	4.24E+01		6.13E-01		none
SD	AES	HA10052	VOA	2-Butanone	ug/kg	2.60E+01	ND	4.24E+01		6.13E-01		none
SD	AES	HA10005	VOA	2-Butanone	ug/kg	2.60E+01	ND	4.24E+01		6.13E-01		none
SD	AES	HA01005	VOA	2-Hexanone	ug/kg	2.40E+01	ND	5.82E+01		4.12E-01		none
SD	AES	HA03005	VOA	2-Hexanone	ug/kg	2.50E+01	ND	5.82E+01		4.30E-01		none
SD	AES	HA07005	VOA	2-Hexanone	ug/kg	2.50E+01	ND	5.82E+01		4.30E-01		none
SD	AES	HA09052	VOA	2-Hexanone	ug/kg	2.50E+01	ND	5.82E+01		4.30E-01		none
SD	AES	HA06052	VOA	2-Hexanone	ug/kg	2.50E+01	ND	5.82E+01		4.30E-01		none
SD	AES	HA08005	VOA	2-Hexanone	ug/kg	2.50E+01	ND	5.82E+01		4.30E-01		none
SD	AES	HA02005	VOA	2-Hexanone	ug/kg	2.50E+01	ND	5.82E+01		4.30E-01		none
SD	AES	HA03052	VOA	2-Hexanone	ug/kg	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	AES	HA04052	VOA	2-Hexanone	ug/kg	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	AES	HA04005	VOA	2-Hexanone	ug/kg	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	AES	HA02052	VOA	2-Hexanone	ug/kg	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	AES	HA05005	VOA	2-Hexanone	ug/kg	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	AES	HA08052	VOA	2-Hexanone	ug/kg	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	AES	HA09005	VOA	2-Hexanone	ug/kg	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	AES	HA07052	VOA	2-Hexanone	ug/kg	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	AES	HA06005	VOA	2-Hexanone	ug/kg	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	AES	HA05052	VOA	2-Hexanone	ug/kg	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	AES	HA10052	VOA	2-Hexanone	ug/kg	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	AES	HA10005	VOA	2-Hexanone	ug/kg	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	AES	HA01052	VOA	2-Hexanone	ug/kg	2.70E+01	ND	5.82E+01		4.64E-01		none
SD	AES	HA01005	VOA	4-Methyl-2-pentanone	ug/kg	2.40E+01	ND	2.51E+01		9.56E-01		none
SD	AES	HA03005	VOA	4-Methyl-2-pentanone	ug/kg	2.50E+01	ND	2.51E+01		9.96E-01		none
SD	AES	HA07005	VOA	4-Methyl-2-pentanone	ug/kg	2.50E+01	ND	2.51E+01		9.96E-01		none
SD	AES	HA09052	VOA	4-Methyl-2-pentanone	ug/kg	2.50E+01	ND	2.51E+01		9.96E-01		none
SD	AES	HA06052	VOA	4-Methyl-2-pentanone	ug/kg	2.50E+01	ND	2.51E+01		9.96E-01		none
SD	AES	HA08005	VOA	4-Methyl-2-pentanone	ug/kg	2.50E+01	ND	2.51E+01		9.96E-01		none
SD	AES	HA02005	VOA	4-Methyl-2-pentanone	ug/kg	2.50E+01	ND	2.51E+01		9.96E-01		none
SD	AES	HA03052	VOA	4-Methyl-2-pentanone	ug/kg	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	AES	HA04052	VOA	4-Methyl-2-pentanone	ug/kg	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	AES	HA04005	VOA	4-Methyl-2-pentanone	ug/kg	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	AES	HA02052	VOA	4-Methyl-2-pentanone	ug/kg	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	AES	HA05005	VOA	4-Methyl-2-pentanone	ug/kg	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	AES	HA08052	VOA	4-Methyl-2-pentanone	ug/kg	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	AES	HA09005	VOA	4-Methyl-2-pentanone	ug/kg	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	AES	HA07052	VOA	4-Methyl-2-pentanone	ug/kg	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	AES	HA06005	VOA	4-Methyl-2-pentanone	ug/kg	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	AES	HA05052	VOA	4-Methyl-2-pentanone	ug/kg	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	AES	HA10052	VOA	4-Methyl-2-pentanone	ug/kg	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	AES	HA10005	VOA	4-Methyl-2-pentanone	ug/kg	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	AES	HA01052	VOA	4-Methyl-2-pentanone	ug/kg	2.70E+01	ND	2.51E+01		1.08E+00		poss-ND
SD	AES	HA08052	VOA	Acetone	ug/kg	6.50E+00	DET	9.90E+00		6.57E-01		none
SD	AES	HA01052	VOA	Acetone	ug/kg	7.90E+00	DET	9.90E+00		7.98E-01		none
SD	AES	HA10052	VOA	Acetone	ug/kg	8.50E+00	DET	9.90E+00		8.59E-01		none
SD	AES	HA05052	VOA	Acetone	ug/kg	8.80E+00	DET	9.90E+00		8.89E-01		none
SD	AES	HA04052	VOA	Acetone	ug/kg	1.20E+01	DET	9.90E+00		1.21E+00		poss-det
SD	AES	HA09052	VOA	Acetone	ug/kg	1.40E+01	DET	9.90E+00		1.41E+00		poss-det
SD	AES	HA01005	VOA	Acetone	ug/kg	1.50E+01	DET	9.90E+00		1.52E+00		poss-det
SD	AES	HA03005	VOA	Acetone	ug/kg	1.60E+01	DET	9.90E+00		1.62E+00		poss-det
SD	AES	HA06052	VOA	Acetone	ug/kg	1.60E+01	DET	9.90E+00		1.62E+00		poss-det
SD	AES	HA05005	VOA	Acetone	ug/kg	1.80E+01	DET	9.90E+00		1.82E+00		poss-det
SD	AES	HA06005	VOA	Acetone	ug/kg	1.90E+01	DET	9.90E+00		1.92E+00		poss-det
SD	AES	HA02052	VOA	Acetone	ug/kg	2.20E+01	DET	9.90E+00		2.22E+00		poss-det
SD	AES	HA10005	VOA	Acetone	ug/kg	2.40E+01	DET	9.90E+00		2.42E+00		poss-det
SD	AES	HA07005	VOA	Acetone	ug/kg	2.50E+01	ND	9.90E+00		2.53E+00		poss-ND
SD	AES	HA08005	VOA	Acetone	ug/kg	2.50E+01	ND	9.90E+00		2.53E+00		poss-ND
SD	AES	HA02005	VOA	Acetone	ug/kg	2.50E+01	ND	9.90E+00		2.53E+00		poss-ND
SD	AES	HA03052	VOA	Acetone	ug/kg	2.60E+01	DET	9.90E+00		2.63E+00		poss-det
SD	AES	HA09005	VOA	Acetone	ug/kg	2.60E+01	ND	9.90E+00		2.63E+00		poss-ND
SD	AES	HA07052	VOA	Acetone	ug/kg	2.60E+01	ND	9.90E+00		2.63E+00		poss-ND
SD	AES	HA04005	VOA	Acetone	ug/kg	1.10E+02	DET	9.90E+00		1.11E+01		poss-det
SD	AES	HA04005	VOA	Benzene	ug/kg	7.80E-01	DET	5.70E+01		1.37E-02		none
SD	AES	HA01005	VOA	Benzene	ug/kg	6.10E+00	ND	5.70E+01		1.07E-01		none
SD	AES	HA09052	VOA	Benzene	ug/kg	6.20E+00	ND	5.70E+01		1.09E-01		none
SD	AES	HA08005	VOA	Benzene	ug/kg	6.20E+00	ND	5.70E+01		1.09E-01		none
SD	AES	HA03005	VOA	Benzene	ug/kg	6.30E+00	ND	5.70E+01		1.11E-01		none
SD	AES	HA07005	VOA	Benzene	ug/kg	6.30E+00	ND	5.70E+01		1.11E-01		none
SD	AES	HA06052	VOA	Benzene	ug/kg	6.30E+00	ND	5.70E+01		1.11E-01		none
SD	AES	HA04052	VOA	Benzene	ug/kg	6.40E+00	ND	5.70E+01		1.12E-01		none
SD	AES	HA08052	VOA	Benzene	ug/kg	6.40E+00	ND	5.70E+01		1.12E-01		none
SD	AES	HA09005	VOA	Benzene	ug/kg	6.40E+00	ND	5.70E+01		1.12E-01		none
SD	AES	HA02005	VOA	Benzene	ug/kg	6.40E+00	ND	5.70E+01		1.12E-01		none
SD	AES	HA03052	VOA	Benzene	ug/kg	6.50E+00	ND	5.70E+01		1.14E-01		none
SD	AES	HA07052	VOA	Benzene	ug/kg	6.50E+00	ND	5.70E+01		1.14E-01		none
SD	AES	HA06005	VOA	Benzene	ug/kg	6.50E+00	ND	5.70E+01		1.14E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA02052	VOA	Benzene	ug/kg	6.60E+00	ND	5.70E+01		1.16E-01		none
SD	AES	HA05005	VOA	Benzene	ug/kg	6.60E+00	ND	5.70E+01		1.16E-01		none
SD	AES	HA05052	VOA	Benzene	ug/kg	6.60E+00	ND	5.70E+01		1.16E-01		none
SD	AES	HA10052	VOA	Benzene	ug/kg	6.60E+00	ND	5.70E+01		1.16E-01		none
SD	AES	HA10005	VOA	Benzene	ug/kg	6.60E+00	ND	5.70E+01		1.16E-01		none
SD	AES	HA01052	VOA	Benzene	ug/kg	6.70E+00	ND	5.70E+01		1.18E-01		none
SD	AES	HA01005	VOA	Bromodichloromethane	ug/kg	6.10E+00	ND	1.37E+00		4.45E+00		poss-ND
SD	AES	HA09052	VOA	Bromodichloromethane	ug/kg	6.20E+00	ND	1.37E+00		4.53E+00		poss-ND
SD	AES	HA08005	VOA	Bromodichloromethane	ug/kg	6.20E+00	ND	1.37E+00		4.53E+00		poss-ND
SD	AES	HA07005	VOA	Bromodichloromethane	ug/kg	6.30E+00	ND	1.37E+00		4.60E+00		poss-ND
SD	AES	HA06052	VOA	Bromodichloromethane	ug/kg	6.30E+00	ND	1.37E+00		4.60E+00		poss-ND
SD	AES	HA03005	VOA	Bromodichloromethane	ug/kg	6.30E+00	ND	1.37E+00		4.60E+00		poss-ND
SD	AES	HA04052	VOA	Bromodichloromethane	ug/kg	6.40E+00	ND	1.37E+00		4.67E+00		poss-ND
SD	AES	HA08052	VOA	Bromodichloromethane	ug/kg	6.40E+00	ND	1.37E+00		4.67E+00		poss-ND
SD	AES	HA09005	VOA	Bromodichloromethane	ug/kg	6.40E+00	ND	1.37E+00		4.67E+00		poss-ND
SD	AES	HA02005	VOA	Bromodichloromethane	ug/kg	6.40E+00	ND	1.37E+00		4.67E+00		poss-ND
SD	AES	HA03052	VOA	Bromodichloromethane	ug/kg	6.50E+00	ND	1.37E+00		4.74E+00		poss-ND
SD	AES	HA07052	VOA	Bromodichloromethane	ug/kg	6.50E+00	ND	1.37E+00		4.74E+00		poss-ND
SD	AES	HA06005	VOA	Bromodichloromethane	ug/kg	6.50E+00	ND	1.37E+00		4.74E+00		poss-ND
SD	AES	HA04005	VOA	Bromodichloromethane	ug/kg	6.60E+00	ND	1.37E+00		4.82E+00		poss-ND
SD	AES	HA02052	VOA	Bromodichloromethane	ug/kg	6.60E+00	ND	1.37E+00		4.82E+00		poss-ND
SD	AES	HA05005	VOA	Bromodichloromethane	ug/kg	6.60E+00	ND	1.37E+00		4.82E+00		poss-ND
SD	AES	HA05052	VOA	Bromodichloromethane	ug/kg	6.60E+00	ND	1.37E+00		4.82E+00		poss-ND
SD	AES	HA10052	VOA	Bromodichloromethane	ug/kg	6.60E+00	ND	1.37E+00		4.82E+00		poss-ND
SD	AES	HA10005	VOA	Bromodichloromethane	ug/kg	6.60E+00	ND	1.37E+00		4.82E+00		poss-ND
SD	AES	HA01052	VOA	Bromodichloromethane	ug/kg	6.70E+00	ND	1.37E+00		4.89E+00		poss-ND
SD	AES	HA01005	VOA	Bromoform	ug/kg	6.10E+00	ND	4.92E+02		1.24E-02		none
SD	AES	HA08005	VOA	Bromoform	ug/kg	6.20E+00	ND	4.92E+02		1.26E-02		none
SD	AES	HA09052	VOA	Bromoform	ug/kg	6.20E+00	ND	4.92E+02		1.26E-02		none
SD	AES	HA03005	VOA	Bromoform	ug/kg	6.30E+00	ND	4.92E+02		1.28E-02		none
SD	AES	HA07005	VOA	Bromoform	ug/kg	6.30E+00	ND	4.92E+02		1.28E-02		none
SD	AES	HA06052	VOA	Bromoform	ug/kg	6.30E+00	ND	4.92E+02		1.28E-02		none
SD	AES	HA04052	VOA	Bromoform	ug/kg	6.40E+00	ND	4.92E+02		1.30E-02		none
SD	AES	HA08052	VOA	Bromoform	ug/kg	6.40E+00	ND	4.92E+02		1.30E-02		none
SD	AES	HA09005	VOA	Bromoform	ug/kg	6.40E+00	ND	4.92E+02		1.30E-02		none
SD	AES	HA02005	VOA	Bromoform	ug/kg	6.40E+00	ND	4.92E+02		1.30E-02		none
SD	AES	HA03052	VOA	Bromoform	ug/kg	6.50E+00	ND	4.92E+02		1.32E-02		none
SD	AES	HA07052	VOA	Bromoform	ug/kg	6.50E+00	ND	4.92E+02		1.32E-02		none
SD	AES	HA06005	VOA	Bromoform	ug/kg	6.50E+00	ND	4.92E+02		1.32E-02		none
SD	AES	HA02052	VOA	Bromoform	ug/kg	6.60E+00	ND	4.92E+02		1.34E-02		none
SD	AES	HA05005	VOA	Bromoform	ug/kg	6.60E+00	ND	4.92E+02		1.34E-02		none
SD	AES	HA05052	VOA	Bromoform	ug/kg	6.60E+00	ND	4.92E+02		1.34E-02		none
SD	AES	HA10052	VOA	Bromoform	ug/kg	6.60E+00	ND	4.92E+02		1.34E-02		none
SD	AES	HA10005	VOA	Bromoform	ug/kg	6.60E+00	ND	4.92E+02		1.34E-02		none
SD	AES	HA04005	VOA	Bromoform	ug/kg	6.60E+00	ND	4.92E+02		1.34E-02		none
SD	AES	HA01052	VOA	Bromoform	ug/kg	6.70E+00	ND	4.92E+02		1.36E-02		none
SD	AES	HA09052	VOA	Bromomethane	ug/kg	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	AES	HA08005	VOA	Bromomethane	ug/kg	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	AES	HA01005	VOA	Bromomethane	ug/kg	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	AES	HA03052	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA03005	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA07005	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA04052	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA04005	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA02052	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA05005	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA06052	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA08052	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA09005	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA07052	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA06005	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA05052	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA10052	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA10005	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA01052	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA02005	VOA	Bromomethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA01005	VOA	Carbon disulfide	ug/kg	6.10E+00	ND	2.39E+01		2.55E-01		none
SD	AES	HA09052	VOA	Carbon disulfide	ug/kg	6.20E+00	ND	2.39E+01		2.59E-01		none
SD	AES	HA08005	VOA	Carbon disulfide	ug/kg	6.20E+00	ND	2.39E+01		2.59E-01		none
SD	AES	HA03005	VOA	Carbon disulfide	ug/kg	6.30E+00	ND	2.39E+01		2.64E-01		none
SD	AES	HA07005	VOA	Carbon disulfide	ug/kg	6.30E+00	ND	2.39E+01		2.64E-01		none
SD	AES	HA06052	VOA	Carbon disulfide	ug/kg	6.30E+00	ND	2.39E+01		2.64E-01		none
SD	AES	HA04052	VOA	Carbon disulfide	ug/kg	6.40E+00	ND	2.39E+01		2.68E-01		none
SD	AES	HA08052	VOA	Carbon disulfide	ug/kg	6.40E+00	ND	2.39E+01		2.68E-01		none
SD	AES	HA09005	VOA	Carbon disulfide	ug/kg	6.40E+00	ND	2.39E+01		2.68E-01		none
SD	AES	HA02005	VOA	Carbon disulfide	ug/kg	6.40E+00	ND	2.39E+01		2.68E-01		none
SD	AES	HA03052	VOA	Carbon disulfide	ug/kg	6.50E+00	ND	2.39E+01		2.72E-01		none
SD	AES	HA07052	VOA	Carbon disulfide	ug/kg	6.50E+00	ND	2.39E+01		2.72E-01		none
SD	AES	HA06005	VOA	Carbon disulfide	ug/kg	6.50E+00	ND	2.39E+01		2.72E-01		none
SD	AES	HA04005	VOA	Carbon disulfide	ug/kg	6.60E+00	ND	2.39E+01		2.76E-01		none
SD	AES	HA02052	VOA	Carbon disulfide	ug/kg	6.60E+00	ND	2.39E+01		2.76E-01		none
SD	AES	HA05005	VOA	Carbon disulfide	ug/kg	6.60E+00	ND	2.39E+01		2.76E-01		none
SD	AES	HA05052	VOA	Carbon disulfide	ug/kg	6.60E+00	ND	2.39E+01		2.76E-01		none
SD	AES	HA10052	VOA	Carbon disulfide	ug/kg	6.60E+00	ND	2.39E+01		2.76E-01		none
SD	AES	HA10005	VOA	Carbon disulfide	ug/kg	6.60E+00	ND	2.39E+01		2.76E-01		none
SD	AES	HA01052	VOA	Carbon disulfide	ug/kg	6.70E+00	ND	2.39E+01		2.80E-01		none
SD	AES	HA01005	VOA	Carbon tetrachloride	ug/kg	6.10E+00	ND	1.45E+03		4.21E-03		none
SD	AES	HA09052	VOA	Carbon tetrachloride	ug/kg	6.20E+00	ND	1.45E+03		4.28E-03		none
SD	AES	HA08005	VOA	Carbon tetrachloride	ug/kg	6.20E+00	ND	1.45E+03		4.28E-03		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA03005	VOA	Carbon tetrachloride	ug/kg	6.30E+00	ND	1.45E+03		4.34E-03		none
SD	AES	HA07005	VOA	Carbon tetrachloride	ug/kg	6.30E+00	ND	1.45E+03		4.34E-03		none
SD	AES	HA06052	VOA	Carbon tetrachloride	ug/kg	6.30E+00	ND	1.45E+03		4.34E-03		none
SD	AES	HA04052	VOA	Carbon tetrachloride	ug/kg	6.40E+00	ND	1.45E+03		4.41E-03		none
SD	AES	HA08052	VOA	Carbon tetrachloride	ug/kg	6.40E+00	ND	1.45E+03		4.41E-03		none
SD	AES	HA09005	VOA	Carbon tetrachloride	ug/kg	6.40E+00	ND	1.45E+03		4.41E-03		none
SD	AES	HA02005	VOA	Carbon tetrachloride	ug/kg	6.40E+00	ND	1.45E+03		4.41E-03		none
SD	AES	HA03052	VOA	Carbon tetrachloride	ug/kg	6.50E+00	ND	1.45E+03		4.48E-03		none
SD	AES	HA07052	VOA	Carbon tetrachloride	ug/kg	6.50E+00	ND	1.45E+03		4.48E-03		none
SD	AES	HA06005	VOA	Carbon tetrachloride	ug/kg	6.50E+00	ND	1.45E+03		4.48E-03		none
SD	AES	HA04005	VOA	Carbon tetrachloride	ug/kg	6.60E+00	ND	1.45E+03		4.55E-03		none
SD	AES	HA02052	VOA	Carbon tetrachloride	ug/kg	6.60E+00	ND	1.45E+03		4.55E-03		none
SD	AES	HA05005	VOA	Carbon tetrachloride	ug/kg	6.60E+00	ND	1.45E+03		4.55E-03		none
SD	AES	HA05052	VOA	Carbon tetrachloride	ug/kg	6.60E+00	ND	1.45E+03		4.55E-03		none
SD	AES	HA10052	VOA	Carbon tetrachloride	ug/kg	6.60E+00	ND	1.45E+03		4.55E-03		none
SD	AES	HA10005	VOA	Carbon tetrachloride	ug/kg	6.60E+00	ND	1.45E+03		4.55E-03		none
SD	AES	HA01052	VOA	Carbon tetrachloride	ug/kg	6.70E+00	ND	1.45E+03		4.62E-03		none
SD	AES	HA01005	VOA	Chlorobenzene	ug/kg	6.10E+00	ND	8.20E+02		7.44E-03		none
SD	AES	HA09052	VOA	Chlorobenzene	ug/kg	6.20E+00	ND	8.20E+02		7.56E-03		none
SD	AES	HA08005	VOA	Chlorobenzene	ug/kg	6.20E+00	ND	8.20E+02		7.56E-03		none
SD	AES	HA03005	VOA	Chlorobenzene	ug/kg	6.30E+00	ND	8.20E+02		7.68E-03		none
SD	AES	HA07005	VOA	Chlorobenzene	ug/kg	6.30E+00	ND	8.20E+02		7.68E-03		none
SD	AES	HA06052	VOA	Chlorobenzene	ug/kg	6.30E+00	ND	8.20E+02		7.68E-03		none
SD	AES	HA04052	VOA	Chlorobenzene	ug/kg	6.40E+00	ND	8.20E+02		7.80E-03		none
SD	AES	HA08052	VOA	Chlorobenzene	ug/kg	6.40E+00	ND	8.20E+02		7.80E-03		none
SD	AES	HA09005	VOA	Chlorobenzene	ug/kg	6.40E+00	ND	8.20E+02		7.80E-03		none
SD	AES	HA02005	VOA	Chlorobenzene	ug/kg	6.40E+00	ND	8.20E+02		7.80E-03		none
SD	AES	HA03052	VOA	Chlorobenzene	ug/kg	6.50E+00	ND	8.20E+02		7.93E-03		none
SD	AES	HA07052	VOA	Chlorobenzene	ug/kg	6.50E+00	ND	8.20E+02		7.93E-03		none
SD	AES	HA06005	VOA	Chlorobenzene	ug/kg	6.50E+00	ND	8.20E+02		7.93E-03		none
SD	AES	HA04005	VOA	Chlorobenzene	ug/kg	6.60E+00	ND	8.20E+02		8.05E-03		none
SD	AES	HA02052	VOA	Chlorobenzene	ug/kg	6.60E+00	ND	8.20E+02		8.05E-03		none
SD	AES	HA05005	VOA	Chlorobenzene	ug/kg	6.60E+00	ND	8.20E+02		8.05E-03		none
SD	AES	HA05052	VOA	Chlorobenzene	ug/kg	6.60E+00	ND	8.20E+02		8.05E-03		none
SD	AES	HA10052	VOA	Chlorobenzene	ug/kg	6.60E+00	ND	8.20E+02		8.05E-03		none
SD	AES	HA10005	VOA	Chlorobenzene	ug/kg	6.60E+00	ND	8.20E+02		8.05E-03		none
SD	AES	HA01052	VOA	Chlorobenzene	ug/kg	6.70E+00	ND	8.20E+02		8.17E-03		none
SD	AES	HA09052	VOA	Chloroethane	ug/kg	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	AES	HA08005	VOA	Chloroethane	ug/kg	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	AES	HA01005	VOA	Chloroethane	ug/kg	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	AES	HA03052	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA03005	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA07005	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA04052	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA04005	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA02052	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA05005	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA06005	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA06052	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA08052	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA09005	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA07052	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA05052	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA10052	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA01052	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA10005	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA02005	VOA	Chloroethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA09052	VOA	Chloroform	ug/kg	1.20E+01	ND	1.21E+02		9.92E-02		none
SD	AES	HA08005	VOA	Chloroform	ug/kg	1.20E+01	ND	1.21E+02		9.92E-02		none
SD	AES	HA01005	VOA	Chloroform	ug/kg	1.20E+01	ND	1.21E+02		9.92E-02		none
SD	AES	HA03052	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA03005	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA07005	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA04052	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA04005	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA02052	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA05005	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA06052	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA06005	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA08052	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA09005	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA07052	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA05052	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA10052	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA10005	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA01052	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA02005	VOA	Chloroform	ug/kg	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	AES	HA09052	VOA	Chloromethane	ug/kg	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	AES	HA08005	VOA	Chloromethane	ug/kg	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	AES	HA01005	VOA	Chloromethane	ug/kg	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	AES	HA03052	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA03005	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA07005	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA04052	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA04005	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA02052	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA05005	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA06052	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA06005	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA09005	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA08052	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA07052	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA05052	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA10052	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA10005	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA01052	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA02005	VOA	Chloromethane	ug/kg	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	AES	HA01005	VOA	cis-1,3-Dichloropropene	ug/kg	6.10E+00	ND	3.33E+02		1.83E-02		none
SD	AES	HA09052	VOA	cis-1,3-Dichloropropene	ug/kg	6.20E+00	ND	3.33E+02		1.86E-02		none
SD	AES	HA08005	VOA	cis-1,3-Dichloropropene	ug/kg	6.20E+00	ND	3.33E+02		1.86E-02		none
SD	AES	HA03005	VOA	cis-1,3-Dichloropropene	ug/kg	6.30E+00	ND	3.33E+02		1.89E-02		none
SD	AES	HA07005	VOA	cis-1,3-Dichloropropene	ug/kg	6.30E+00	ND	3.33E+02		1.89E-02		none
SD	AES	HA06052	VOA	cis-1,3-Dichloropropene	ug/kg	6.30E+00	ND	3.33E+02		1.89E-02		none
SD	AES	HA04052	VOA	cis-1,3-Dichloropropene	ug/kg	6.40E+00	ND	3.33E+02		1.92E-02		none
SD	AES	HA08052	VOA	cis-1,3-Dichloropropene	ug/kg	6.40E+00	ND	3.33E+02		1.92E-02		none
SD	AES	HA09005	VOA	cis-1,3-Dichloropropene	ug/kg	6.40E+00	ND	3.33E+02		1.92E-02		none
SD	AES	HA02005	VOA	cis-1,3-Dichloropropene	ug/kg	6.40E+00	ND	3.33E+02		1.92E-02		none
SD	AES	HA03052	VOA	cis-1,3-Dichloropropene	ug/kg	6.50E+00	ND	3.33E+02		1.95E-02		none
SD	AES	HA06005	VOA	cis-1,3-Dichloropropene	ug/kg	6.50E+00	ND	3.33E+02		1.95E-02		none
SD	AES	HA07052	VOA	cis-1,3-Dichloropropene	ug/kg	6.50E+00	ND	3.33E+02		1.95E-02		none
SD	AES	HA04005	VOA	cis-1,3-Dichloropropene	ug/kg	6.60E+00	ND	3.33E+02		1.98E-02		none
SD	AES	HA02052	VOA	cis-1,3-Dichloropropene	ug/kg	6.60E+00	ND	3.33E+02		1.98E-02		none
SD	AES	HA05005	VOA	cis-1,3-Dichloropropene	ug/kg	6.60E+00	ND	3.33E+02		1.98E-02		none
SD	AES	HA05052	VOA	cis-1,3-Dichloropropene	ug/kg	6.60E+00	ND	3.33E+02		1.98E-02		none
SD	AES	HA10052	VOA	cis-1,3-Dichloropropene	ug/kg	6.60E+00	ND	3.33E+02		1.98E-02		none
SD	AES	HA10005	VOA	cis-1,3-Dichloropropene	ug/kg	6.60E+00	ND	3.33E+02		1.98E-02		none
SD	AES	HA01052	VOA	cis-1,3-Dichloropropene	ug/kg	6.70E+00	ND	3.33E+02		2.01E-02		none
SD	AES	HA01005	VOA	Dibromochloromethane	ug/kg	6.10E+00	ND	1.37E+00		4.45E+00		poss-ND
SD	AES	HA09052	VOA	Dibromochloromethane	ug/kg	6.20E+00	ND	1.37E+00		4.53E+00		poss-ND
SD	AES	HA08005	VOA	Dibromochloromethane	ug/kg	6.20E+00	ND	1.37E+00		4.53E+00		poss-ND
SD	AES	HA03005	VOA	Dibromochloromethane	ug/kg	6.30E+00	ND	1.37E+00		4.60E+00		poss-ND
SD	AES	HA07005	VOA	Dibromochloromethane	ug/kg	6.30E+00	ND	1.37E+00		4.60E+00		poss-ND
SD	AES	HA06052	VOA	Dibromochloromethane	ug/kg	6.30E+00	ND	1.37E+00		4.60E+00		poss-ND
SD	AES	HA04052	VOA	Dibromochloromethane	ug/kg	6.40E+00	ND	1.37E+00		4.67E+00		poss-ND
SD	AES	HA09005	VOA	Dibromochloromethane	ug/kg	6.40E+00	ND	1.37E+00		4.67E+00		poss-ND
SD	AES	HA08052	VOA	Dibromochloromethane	ug/kg	6.40E+00	ND	1.37E+00		4.67E+00		poss-ND
SD	AES	HA02005	VOA	Dibromochloromethane	ug/kg	6.40E+00	ND	1.37E+00		4.67E+00		poss-ND
SD	AES	HA03052	VOA	Dibromochloromethane	ug/kg	6.50E+00	ND	1.37E+00		4.74E+00		poss-ND
SD	AES	HA06005	VOA	Dibromochloromethane	ug/kg	6.50E+00	ND	1.37E+00		4.74E+00		poss-ND
SD	AES	HA07052	VOA	Dibromochloromethane	ug/kg	6.50E+00	ND	1.37E+00		4.74E+00		poss-ND
SD	AES	HA04005	VOA	Dibromochloromethane	ug/kg	6.60E+00	ND	1.37E+00		4.82E+00		poss-ND
SD	AES	HA02052	VOA	Dibromochloromethane	ug/kg	6.60E+00	ND	1.37E+00		4.82E+00		poss-ND
SD	AES	HA05005	VOA	Dibromochloromethane	ug/kg	6.60E+00	ND	1.37E+00		4.82E+00		poss-ND
SD	AES	HA05052	VOA	Dibromochloromethane	ug/kg	6.60E+00	ND	1.37E+00		4.82E+00		poss-ND
SD	AES	HA10052	VOA	Dibromochloromethane	ug/kg	6.60E+00	ND	1.37E+00		4.82E+00		poss-ND
SD	AES	HA10005	VOA	Dibromochloromethane	ug/kg	6.60E+00	ND	1.37E+00		4.82E+00		poss-ND
SD	AES	HA01052	VOA	Dibromochloromethane	ug/kg	6.70E+00	ND	1.37E+00		4.89E+00		poss-ND
SD	AES	HA01005	VOA	Ethylbenzene	ug/kg	6.10E+00	ND	1.75E+02		3.49E-02		none
SD	AES	HA09052	VOA	Ethylbenzene	ug/kg	6.20E+00	ND	1.75E+02		3.54E-02		none
SD	AES	HA08005	VOA	Ethylbenzene	ug/kg	6.20E+00	ND	1.75E+02		3.54E-02		none
SD	AES	HA03005	VOA	Ethylbenzene	ug/kg	6.30E+00	ND	1.75E+02		3.60E-02		none
SD	AES	HA07005	VOA	Ethylbenzene	ug/kg	6.30E+00	ND	1.75E+02		3.60E-02		none
SD	AES	HA06052	VOA	Ethylbenzene	ug/kg	6.30E+00	ND	1.75E+02		3.60E-02		none
SD	AES	HA04052	VOA	Ethylbenzene	ug/kg	6.40E+00	ND	1.75E+02		3.66E-02		none
SD	AES	HA09005	VOA	Ethylbenzene	ug/kg	6.40E+00	ND	1.75E+02		3.66E-02		none
SD	AES	HA08052	VOA	Ethylbenzene	ug/kg	6.40E+00	ND	1.75E+02		3.66E-02		none
SD	AES	HA02005	VOA	Ethylbenzene	ug/kg	6.40E+00	ND	1.75E+02		3.66E-02		none
SD	AES	HA03052	VOA	Ethylbenzene	ug/kg	6.50E+00	ND	1.75E+02		3.71E-02		none
SD	AES	HA06005	VOA	Ethylbenzene	ug/kg	6.50E+00	ND	1.75E+02		3.71E-02		none
SD	AES	HA07052	VOA	Ethylbenzene	ug/kg	6.50E+00	ND	1.75E+02		3.71E-02		none
SD	AES	HA04005	VOA	Ethylbenzene	ug/kg	6.60E+00	ND	1.75E+02		3.77E-02		none
SD	AES	HA02052	VOA	Ethylbenzene	ug/kg	6.60E+00	ND	1.75E+02		3.77E-02		none
SD	AES	HA05005	VOA	Ethylbenzene	ug/kg	6.60E+00	ND	1.75E+02		3.77E-02		none
SD	AES	HA05052	VOA	Ethylbenzene	ug/kg	6.60E+00	ND	1.75E+02		3.77E-02		none
SD	AES	HA10052	VOA	Ethylbenzene	ug/kg	6.60E+00	ND	1.75E+02		3.77E-02		none
SD	AES	HA10005	VOA	Ethylbenzene	ug/kg	6.60E+00	ND	1.75E+02		3.77E-02		none
SD	AES	HA01052	VOA	Ethylbenzene	ug/kg	6.70E+00	ND	1.75E+02		3.83E-02		none
SD	AES	HA08005	VOA	Methylene chloride	ug/kg	1.50E+00	DET	1.59E+02		9.43E-03		none
SD	AES	HA10005	VOA	Methylene chloride	ug/kg	1.70E+00	DET	1.59E+02		1.07E-02		none
SD	AES	HA09005	VOA	Methylene chloride	ug/kg	1.88E+00	ND	1.59E+02		1.18E-02		none
SD	AES	HA07052	VOA	Methylene chloride	ug/kg	1.96E+00	ND	1.59E+02		1.23E-02		none
SD	AES	HA10052	VOA	Methylene chloride	ug/kg	2.00E+00	ND	1.59E+02		1.26E-02		none
SD	AES	HA07005	VOA	Methylene chloride	ug/kg	2.10E+00	DET	1.59E+02		1.32E-02		none
SD	AES	HA08052	VOA	Methylene chloride	ug/kg	2.40E+00	ND	1.59E+02		1.51E-02		none
SD	AES	HA09052	VOA	Methylene chloride	ug/kg	3.60E+00	ND	1.59E+02		2.26E-02		none
SD	AES	HA06052	VOA	Methylene chloride	ug/kg	6.30E+00	ND	1.59E+02		3.96E-02		none
SD	AES	HA04052	VOA	Methylene chloride	ug/kg	6.40E+00	ND	1.59E+02		4.03E-02		none
SD	AES	HA02005	VOA	Methylene chloride	ug/kg	6.40E+00	ND	1.59E+02		4.03E-02		none
SD	AES	HA03052	VOA	Methylene chloride	ug/kg	6.50E+00	ND	1.59E+02		4.09E-02		none
SD	AES	HA06005	VOA	Methylene chloride	ug/kg	6.50E+00	ND	1.59E+02		4.09E-02		none
SD	AES	HA05052	VOA	Methylene chloride	ug/kg	6.60E+00	ND	1.59E+02		4.15E-02		none
SD	AES	HA01005	VOA	Methylene chloride	ug/kg	1.22E+01	ND	1.59E+02		7.67E-02		none
SD	AES	HA03005	VOA	Methylene chloride	ug/kg	1.26E+01	ND	1.59E+02		7.92E-02		none
SD	AES	HA04005	VOA	Methylene chloride	ug/kg	1.32E+01	ND	1.59E+02		8.30E-02		none
SD	AES	HA02052	VOA	Methylene chloride	ug/kg	1.32E+01	ND	1.59E+02		8.30E-02		none
SD	AES	HA05005	VOA	Methylene chloride	ug/kg	1.32E+01	ND	1.59E+02		8.30E-02		none
SD	AES	HA01052	VOA	Methylene chloride	ug/kg	1.34E+01	ND	1.59E+02		8.43E-02		none
SD	AES	HA01005	VOA	Styrene	ug/kg	6.10E+00	ND	2.54E+02		2.40E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA09052	VOA	Styrene	ug/kg	6.20E+00	ND	2.54E+02		2.44E-02		none
SD	AES	HA08005	VOA	Styrene	ug/kg	6.20E+00	ND	2.54E+02		2.44E-02		none
SD	AES	HA03005	VOA	Styrene	ug/kg	6.30E+00	ND	2.54E+02		2.48E-02		none
SD	AES	HA07005	VOA	Styrene	ug/kg	6.30E+00	ND	2.54E+02		2.48E-02		none
SD	AES	HA06052	VOA	Styrene	ug/kg	6.30E+00	ND	2.54E+02		2.48E-02		none
SD	AES	HA04052	VOA	Styrene	ug/kg	6.40E+00	ND	2.54E+02		2.52E-02		none
SD	AES	HA09005	VOA	Styrene	ug/kg	6.40E+00	ND	2.54E+02		2.52E-02		none
SD	AES	HA08052	VOA	Styrene	ug/kg	6.40E+00	ND	2.54E+02		2.52E-02		none
SD	AES	HA02005	VOA	Styrene	ug/kg	6.40E+00	ND	2.54E+02		2.52E-02		none
SD	AES	HA03052	VOA	Styrene	ug/kg	6.50E+00	ND	2.54E+02		2.56E-02		none
SD	AES	HA06005	VOA	Styrene	ug/kg	6.50E+00	ND	2.54E+02		2.56E-02		none
SD	AES	HA07052	VOA	Styrene	ug/kg	6.50E+00	ND	2.54E+02		2.56E-02		none
SD	AES	HA04005	VOA	Styrene	ug/kg	6.60E+00	ND	2.54E+02		2.60E-02		none
SD	AES	HA02052	VOA	Styrene	ug/kg	6.60E+00	ND	2.54E+02		2.60E-02		none
SD	AES	HA05005	VOA	Styrene	ug/kg	6.60E+00	ND	2.54E+02		2.60E-02		none
SD	AES	HA05052	VOA	Styrene	ug/kg	6.60E+00	ND	2.54E+02		2.60E-02		none
SD	AES	HA10052	VOA	Styrene	ug/kg	6.60E+00	ND	2.54E+02		2.60E-02		none
SD	AES	HA10005	VOA	Styrene	ug/kg	6.60E+00	ND	2.54E+02		2.60E-02		none
SD	AES	HA01052	VOA	Styrene	ug/kg	6.70E+00	ND	2.54E+02		2.64E-02		none
SD	AES	HA04005	VOA	Tetrachloroethene	ug/kg	4.40E+00	DET	9.90E+02		4.44E-03		none
SD	AES	HA01005	VOA	Tetrachloroethene	ug/kg	6.10E+00	ND	9.90E+02		6.16E-03		none
SD	AES	HA09052	VOA	Tetrachloroethene	ug/kg	6.20E+00	ND	9.90E+02		6.26E-03		none
SD	AES	HA08005	VOA	Tetrachloroethene	ug/kg	6.20E+00	ND	9.90E+02		6.26E-03		none
SD	AES	HA03005	VOA	Tetrachloroethene	ug/kg	6.30E+00	ND	9.90E+02		6.36E-03		none
SD	AES	HA07005	VOA	Tetrachloroethene	ug/kg	6.30E+00	ND	9.90E+02		6.36E-03		none
SD	AES	HA06052	VOA	Tetrachloroethene	ug/kg	6.30E+00	ND	9.90E+02		6.36E-03		none
SD	AES	HA04052	VOA	Tetrachloroethene	ug/kg	6.40E+00	ND	9.90E+02		6.46E-03		none
SD	AES	HA09005	VOA	Tetrachloroethene	ug/kg	6.40E+00	ND	9.90E+02		6.46E-03		none
SD	AES	HA08052	VOA	Tetrachloroethene	ug/kg	6.40E+00	ND	9.90E+02		6.46E-03		none
SD	AES	HA02005	VOA	Tetrachloroethene	ug/kg	6.40E+00	ND	9.90E+02		6.46E-03		none
SD	AES	HA03052	VOA	Tetrachloroethene	ug/kg	6.50E+00	ND	9.90E+02		6.57E-03		none
SD	AES	HA06005	VOA	Tetrachloroethene	ug/kg	6.50E+00	ND	9.90E+02		6.57E-03		none
SD	AES	HA07052	VOA	Tetrachloroethene	ug/kg	6.50E+00	ND	9.90E+02		6.57E-03		none
SD	AES	HA02052	VOA	Tetrachloroethene	ug/kg	6.60E+00	ND	9.90E+02		6.67E-03		none
SD	AES	HA05005	VOA	Tetrachloroethene	ug/kg	6.60E+00	ND	9.90E+02		6.67E-03		none
SD	AES	HA05052	VOA	Tetrachloroethene	ug/kg	6.60E+00	ND	9.90E+02		6.67E-03		none
SD	AES	HA10052	VOA	Tetrachloroethene	ug/kg	6.60E+00	ND	9.90E+02		6.67E-03		none
SD	AES	HA10005	VOA	Tetrachloroethene	ug/kg	6.60E+00	ND	9.90E+02		6.67E-03		none
SD	AES	HA01052	VOA	Tetrachloroethene	ug/kg	6.70E+00	ND	9.90E+02		6.77E-03		none
SD	AES	HA02052	VOA	Toluene	ug/kg	1.20E+00	DET	2.80E+01		4.29E-02		none
SD	AES	HA10005	VOA	Toluene	ug/kg	1.20E+00	DET	2.80E+01		4.29E-02		none
SD	AES	HA01005	VOA	Toluene	ug/kg	1.40E+00	DET	2.80E+01		5.00E-02		none
SD	AES	HA04005	VOA	Toluene	ug/kg	4.10E+00	DET	2.80E+01		1.46E-01		none
SD	AES	HA09052	VOA	Toluene	ug/kg	6.20E+00	ND	2.80E+01		2.21E-01		none
SD	AES	HA08005	VOA	Toluene	ug/kg	6.20E+00	ND	2.80E+01		2.21E-01		none
SD	AES	HA03005	VOA	Toluene	ug/kg	6.30E+00	ND	2.80E+01		2.25E-01		none
SD	AES	HA07005	VOA	Toluene	ug/kg	6.30E+00	ND	2.80E+01		2.25E-01		none
SD	AES	HA06052	VOA	Toluene	ug/kg	6.30E+00	ND	2.80E+01		2.25E-01		none
SD	AES	HA04052	VOA	Toluene	ug/kg	6.40E+00	ND	2.80E+01		2.29E-01		none
SD	AES	HA09005	VOA	Toluene	ug/kg	6.40E+00	ND	2.80E+01		2.29E-01		none
SD	AES	HA08052	VOA	Toluene	ug/kg	6.40E+00	ND	2.80E+01		2.29E-01		none
SD	AES	HA02005	VOA	Toluene	ug/kg	6.40E+00	ND	2.80E+01		2.29E-01		none
SD	AES	HA03052	VOA	Toluene	ug/kg	6.50E+00	ND	2.80E+01		2.32E-01		none
SD	AES	HA06005	VOA	Toluene	ug/kg	6.50E+00	ND	2.80E+01		2.32E-01		none
SD	AES	HA07052	VOA	Toluene	ug/kg	6.50E+00	ND	2.80E+01		2.32E-01		none
SD	AES	HA05005	VOA	Toluene	ug/kg	6.60E+00	ND	2.80E+01		2.36E-01		none
SD	AES	HA05052	VOA	Toluene	ug/kg	6.60E+00	ND	2.80E+01		2.36E-01		none
SD	AES	HA10052	VOA	Toluene	ug/kg	6.60E+00	ND	2.80E+01		2.36E-01		none
SD	AES	HA01052	VOA	Toluene	ug/kg	6.70E+00	ND	2.80E+01		2.39E-01		none
SD	AES	HA01005	VOA	Trichloroethene	ug/kg	6.10E+00	ND	5.18E+02		1.18E-02		none
SD	AES	HA09052	VOA	Trichloroethene	ug/kg	6.20E+00	ND	5.18E+02		1.20E-02		none
SD	AES	HA08005	VOA	Trichloroethene	ug/kg	6.20E+00	ND	5.18E+02		1.20E-02		none
SD	AES	HA03005	VOA	Trichloroethene	ug/kg	6.30E+00	ND	5.18E+02		1.22E-02		none
SD	AES	HA07005	VOA	Trichloroethene	ug/kg	6.30E+00	ND	5.18E+02		1.22E-02		none
SD	AES	HA06052	VOA	Trichloroethene	ug/kg	6.30E+00	ND	5.18E+02		1.22E-02		none
SD	AES	HA04052	VOA	Trichloroethene	ug/kg	6.40E+00	ND	5.18E+02		1.24E-02		none
SD	AES	HA09005	VOA	Trichloroethene	ug/kg	6.40E+00	ND	5.18E+02		1.24E-02		none
SD	AES	HA08052	VOA	Trichloroethene	ug/kg	6.40E+00	ND	5.18E+02		1.24E-02		none
SD	AES	HA02005	VOA	Trichloroethene	ug/kg	6.40E+00	ND	5.18E+02		1.24E-02		none
SD	AES	HA03052	VOA	Trichloroethene	ug/kg	6.50E+00	ND	5.18E+02		1.25E-02		none
SD	AES	HA06005	VOA	Trichloroethene	ug/kg	6.50E+00	ND	5.18E+02		1.25E-02		none
SD	AES	HA07052	VOA	Trichloroethene	ug/kg	6.50E+00	ND	5.18E+02		1.25E-02		none
SD	AES	HA04005	VOA	Trichloroethene	ug/kg	6.60E+00	ND	5.18E+02		1.27E-02		none
SD	AES	HA02052	VOA	Trichloroethene	ug/kg	6.60E+00	ND	5.18E+02		1.27E-02		none
SD	AES	HA05005	VOA	Trichloroethene	ug/kg	6.60E+00	ND	5.18E+02		1.27E-02		none
SD	AES	HA05052	VOA	Trichloroethene	ug/kg	6.60E+00	ND	5.18E+02		1.27E-02		none
SD	AES	HA10052	VOA	Trichloroethene	ug/kg	6.60E+00	ND	5.18E+02		1.27E-02		none
SD	AES	HA10005	VOA	Trichloroethene	ug/kg	6.60E+00	ND	5.18E+02		1.27E-02		none
SD	AES	HA01052	VOA	Trichloroethene	ug/kg	6.70E+00	ND	5.18E+02		1.29E-02		none
SD	AES	HA09052	VOA	Vinyl acetate	ug/kg	1.20E+01	ND	1.30E+01		9.23E-01		none
SD	AES	HA08005	VOA	Vinyl acetate	ug/kg	1.20E+01	ND	1.30E+01		9.23E-01		none
SD	AES	HA01005	VOA	Vinyl acetate	ug/kg	1.20E+01	ND	1.30E+01		9.23E-01		none
SD	AES	HA03005	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA07005	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA04052	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA04005	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA02052	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA05005	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA06005	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	AES	HA09005	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA08052	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA07052	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA05052	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA10052	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA10005	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA01052	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA03052	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA06052	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA02005	VOA	Vinyl acetate	ug/kg	1.30E+01	ND	1.30E+01		1.00E+00		poss-ND
SD	AES	HA09052	VOA	Vinyl chloride	ug/kg	1.20E+01	ND	2.02E+02		5.94E-02		none
SD	AES	HA08005	VOA	Vinyl chloride	ug/kg	1.20E+01	ND	2.02E+02		5.94E-02		none
SD	AES	HA01005	VOA	Vinyl chloride	ug/kg	1.20E+01	ND	2.02E+02		5.94E-02		none
SD	AES	HA03052	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA03005	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA07005	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA04005	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA02052	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA05005	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA06005	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA09005	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA08052	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA07052	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA05052	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA10052	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA10005	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA01052	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA04052	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA06052	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA02005	VOA	Vinyl chloride	ug/kg	1.30E+01	ND	2.02E+02		6.44E-02		none
SD	AES	HA01005	VOA	Xylenes (total)	ug/kg	6.10E+00	ND	2.50E+01		2.44E-01		none
SD	AES	HA09052	VOA	Xylenes (total)	ug/kg	6.20E+00	ND	2.50E+01		2.48E-01		none
SD	AES	HA08005	VOA	Xylenes (total)	ug/kg	6.20E+00	ND	2.50E+01		2.48E-01		none
SD	AES	HA03005	VOA	Xylenes (total)	ug/kg	6.30E+00	ND	2.50E+01		2.52E-01		none
SD	AES	HA07005	VOA	Xylenes (total)	ug/kg	6.30E+00	ND	2.50E+01		2.52E-01		none
SD	AES	HA06052	VOA	Xylenes (total)	ug/kg	6.30E+00	ND	2.50E+01		2.52E-01		none
SD	AES	HA04052	VOA	Xylenes (total)	ug/kg	6.40E+00	ND	2.50E+01		2.56E-01		none
SD	AES	HA09005	VOA	Xylenes (total)	ug/kg	6.40E+00	ND	2.50E+01		2.56E-01		none
SD	AES	HA08052	VOA	Xylenes (total)	ug/kg	6.40E+00	ND	2.50E+01		2.56E-01		none
SD	AES	HA02005	VOA	Xylenes (total)	ug/kg	6.40E+00	ND	2.50E+01		2.56E-01		none
SD	AES	HA03052	VOA	Xylenes (total)	ug/kg	6.50E+00	ND	2.50E+01		2.60E-01		none
SD	AES	HA06005	VOA	Xylenes (total)	ug/kg	6.50E+00	ND	2.50E+01		2.60E-01		none
SD	AES	HA07052	VOA	Xylenes (total)	ug/kg	6.50E+00	ND	2.50E+01		2.60E-01		none
SD	AES	HA04005	VOA	Xylenes (total)	ug/kg	6.60E+00	ND	2.50E+01		2.64E-01		none
SD	AES	HA02052	VOA	Xylenes (total)	ug/kg	6.60E+00	ND	2.50E+01		2.64E-01		none
SD	AES	HA05005	VOA	Xylenes (total)	ug/kg	6.60E+00	ND	2.50E+01		2.64E-01		none
SD	AES	HA10052	VOA	Xylenes (total)	ug/kg	6.60E+00	ND	2.50E+01		2.64E-01		none
SD	AES	HA10005	VOA	Xylenes (total)	ug/kg	6.60E+00	ND	2.50E+01		2.64E-01		none
SD	AES	HA05052	VOA	Xylenes (total)	ug/kg	6.60E+00	ND	2.50E+01		2.64E-01		none
SD	AES	HA01052	VOA	Xylenes (total)	ug/kg	6.70E+00	ND	2.50E+01		2.68E-01		none
SD	CHANNEL	SD002200	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SD002200	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SWNPDES2	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SWNPDES3	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SWSW	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SWSW	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SWNPDES2	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SWNPDES3	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SWSW	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SWNPDES3	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SWNPDES2	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SD002200	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SD002200	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	CHANNEL	SD002200	METALS	Antimony	ug/Kg	1.06E+02	ND	1.20E+04		8.83E-03		none
SD	CHANNEL	SD002200	METALS	Antimony	ug/Kg	1.35E+02	ND	1.20E+04		1.13E-02		none
SD	CHANNEL	SD002200	METALS	Antimony	ug/Kg	1.52E+02	ND	1.20E+04		1.27E-02		none
SD	CHANNEL	SWNPDES3	METALS	Antimony	ug/Kg	2.39E+02	ND	1.20E+04		1.99E-02		none
SD	CHANNEL	SWSW	METALS	Antimony	ug/Kg	2.98E+02	ND	1.20E+04		2.48E-02		none
SD	CHANNEL	SWNPDES2	METALS	Antimony	ug/Kg	3.09E+02	ND	1.20E+04		2.58E-02		none
SD	CHANNEL	SWNPDES3	METALS	Antimony	ug/Kg	3.99E+02	ND	1.20E+04		3.33E-02		none
SD	CHANNEL	SWNPDES2	METALS	Antimony	ug/Kg	4.10E+02	ND	1.20E+04		3.42E-02		none
SD	CHANNEL	SWSW	METALS	Antimony	ug/Kg	4.23E+02	ND	1.20E+04		3.53E-02		none
SD	CHANNEL	SWNPDES3	METALS	Antimony	ug/Kg	4.58E+02	ND	1.20E+04		3.82E-02		none
SD	CHANNEL	SWNPDES3	METALS	Antimony	ug/Kg	4.82E+02	ND	1.20E+04		4.02E-02		none
SD	CHANNEL	SWSW	METALS	Antimony	ug/Kg	4.91E+02	ND	1.20E+04		4.09E-02		none
SD	CHANNEL	SWSW	METALS	Antimony	ug/Kg	5.00E+02	ND	1.20E+04		4.17E-02		none
SD	CHANNEL	SWNPDES2	METALS	Antimony	ug/Kg	5.50E+02	ND	1.20E+04		4.58E-02		none
SD	CHANNEL	SWNPDES2	METALS	Antimony	ug/Kg	5.50E+02	ND	1.20E+04		4.58E-02		none
SD	CHANNEL	SD002200	METALS	Antimony	ug/Kg	3.00E+03	DET	1.20E+04		2.50E-01		none
SD	CHANNEL	SWSW	METALS	Antimony	ug/Kg	4.00E+03	DET	1.20E+04		3.33E-01		none
SD	CHANNEL	SWNPDES2	METALS	Antimony	ug/Kg	4.10E+03	DET	1.20E+04		3.42E-01		none
SD	CHANNEL	SWSW	METALS	Antimony	ug/Kg	6.00E+03	ND	1.20E+04		5.00E-01		none
SD	CHANNEL	SWSW	METALS	Antimony	ug/Kg	6.00E+03	ND	1.20E+04		5.00E-01		none
SD	CHANNEL	SWNPDES3	METALS	Antimony	ug/Kg	6.00E+03	ND	1.20E+04		5.00E-01		none
SD	CHANNEL	SWNPDES2	METALS	Antimony	ug/Kg	6.00E+03	ND	1.20E+04		5.00E-01		none
SD	CHANNEL	SWNPDES3	METALS	Antimony	ug/KG	6.00E+03	ND	1.20E+04		5.00E-01		none
SD	CHANNEL	SWNPDES3	METALS	Antimony	ug/Kg	6.00E+03	ND	1.20E+04		5.00E-01		none
SD	CHANNEL	SWNPDES1	METALS	Antimony	ug/KG	6.00E+03	ND	1.20E+04		5.00E-01		none
SD	CHANNEL	SWNPDES2	METALS	Antimony	ug/Kg	6.00E+03	ND	1.20E+04		5.00E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	METALS	Antimony	ug/KG	6.00E+03	ND	1.20E+04		5.00E-01		none
SD	CHANNEL	SWNPDES1	METALS	Antimony	ug/Kg	7.00E+03	DET	1.20E+04		5.83E-01		none
SD	CHANNEL	SWNPDES3	METALS	Antimony	ug/Kg	7.90E+03	ND	1.20E+04		6.58E-01		none
SD	CHANNEL	SWNPDES3	METALS	Antimony	ug/Kg	9.00E+03	DET	1.20E+04		7.50E-01		none
SD	CHANNEL	SWSW	METALS	Antimony	ug/Kg	1.00E+04	ND	1.20E+04		8.33E-01		none
SD	CHANNEL	SWSW	METALS	Antimony	ug/Kg	1.00E+04	ND	1.20E+04		8.33E-01		none
SD	CHANNEL	SWSW	METALS	Antimony	ug/Kg	1.00E+04	ND	1.20E+04		8.33E-01		none
SD	CHANNEL	SWNPDES2	METALS	Antimony	ug/Kg	1.00E+04	ND	1.20E+04		8.33E-01		none
SD	CHANNEL	SWNPDES3	METALS	Antimony	ug/Kg	1.00E+04	ND	1.20E+04		8.33E-01		none
SD	CHANNEL	SWNPDES3	METALS	Antimony	ug/Kg	1.00E+04	ND	1.20E+04		8.33E-01		none
SD	CHANNEL	SWNPDES2	METALS	Antimony	ug/Kg	1.00E+04	ND	1.20E+04		8.33E-01		none
SD	CHANNEL	SWNPDES1	METALS	Antimony	ug/Kg	1.00E+04	ND	1.20E+04		8.33E-01		none
SD	CHANNEL	SWNPDES1	METALS	Antimony	ug/Kg	1.17E+04	ND	1.20E+04		9.75E-01		none
SD	CHANNEL	SWNPDES2	METALS	Antimony	ug/Kg	1.22E+04	ND	1.20E+04		1.02E+00		poss-ND
SD	CHANNEL	SWNPDES3	METALS	Antimony	ug/Kg	1.00E+05	ND	1.20E+04		8.33E+00		poss-ND
SD	CHANNEL	SWNPDES2	METALS	Antimony	ug/Kg	1.00E+05	ND	1.20E+04		8.33E+00		poss-ND
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	3.95E+02	ND	9.79E+03	3.30E+04	4.03E-02	1.20E-02	none
SD	CHANNEL	SWSW	METALS	Arsenic	ug/Kg	4.02E+02	ND	9.79E+03	3.30E+04	4.11E-02	1.22E-02	none
SD	CHANNEL	SWSW	METALS	Arsenic	ug/Kg	4.09E+02	ND	9.79E+03	3.30E+04	4.18E-02	1.24E-02	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/Kg	4.50E+02	ND	9.79E+03	3.30E+04	4.60E-02	1.36E-02	none
SD	CHANNEL	SWNPDES1	METALS	Arsenic	ug/KG	5.00E+02	ND	9.79E+03	3.30E+04	5.11E-02	1.52E-02	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/KG	5.00E+02	ND	9.79E+03	3.30E+04	5.11E-02	1.52E-02	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	9.30E+02	DET	9.79E+03	3.30E+04	9.50E-02	2.82E-02	none
SD	CHANNEL	SWSW	METALS	Arsenic	ug/Kg	1.00E+03	ND	9.79E+03	3.30E+04	1.02E-01	3.03E-02	none
SD	CHANNEL	SD002200	METALS	Arsenic	ug/Kg	1.10E+03	DET	9.79E+03	3.30E+04	1.12E-01	3.33E-02	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/Kg	1.10E+03	DET	9.79E+03	3.30E+04	1.12E-01	3.33E-02	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/KG	1.20E+03	DET	9.79E+03	3.30E+04	1.23E-01	3.64E-02	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/Kg	1.20E+03	DET	9.79E+03	3.30E+04	1.23E-01	3.64E-02	none
SD	CHANNEL	SWSW	METALS	Arsenic	ug/Kg	1.30E+03	DET	9.79E+03	3.30E+04	1.33E-01	3.94E-02	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/Kg	1.40E+03	DET	9.79E+03	3.30E+04	1.43E-01	4.24E-02	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	1.40E+03	DET	9.79E+03	3.30E+04	1.43E-01	4.24E-02	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	1.50E+03	DET	9.79E+03	3.30E+04	1.53E-01	4.55E-02	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	1.50E+03	DET	9.79E+03	3.30E+04	1.53E-01	4.55E-02	none
SD	CHANNEL	SD002200	METALS	Arsenic	ug/Kg	1.50E+03	DET	9.79E+03	3.30E+04	1.53E-01	4.55E-02	none
SD	CHANNEL	SD002200	METALS	Arsenic	ug/Kg	1.50E+03	DET	9.79E+03	3.30E+04	1.53E-01	4.55E-02	none
SD	CHANNEL	SD002200	METALS	Arsenic	ug/Kg	1.60E+03	DET	9.79E+03	3.30E+04	1.63E-01	4.85E-02	none
SD	CHANNEL	SWSW	METALS	Arsenic	ug/Kg	1.60E+03	DET	9.79E+03	3.30E+04	1.63E-01	4.85E-02	none
SD	CHANNEL	SWSW	METALS	Arsenic	ug/Kg	1.60E+03	DET	9.79E+03	3.30E+04	1.63E-01	4.85E-02	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/Kg	1.90E+03	DET	9.79E+03	3.30E+04	1.94E-01	5.76E-02	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	1.90E+03	DET	9.79E+03	3.30E+04	1.94E-01	5.76E-02	none
SD	CHANNEL	SWSW	METALS	Arsenic	ug/Kg	1.90E+03	DET	9.79E+03	3.30E+04	1.94E-01	5.76E-02	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/Kg	2.00E+03	DET	9.79E+03	3.30E+04	2.04E-01	6.06E-02	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	2.00E+03	DET	9.79E+03	3.30E+04	2.04E-01	6.06E-02	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/Kg	2.10E+03	DET	9.79E+03	3.30E+04	2.15E-01	6.36E-02	none
SD	CHANNEL	SD024	METALS	Arsenic	ug/Kg	2.15E+03	DET	9.79E+03	3.30E+04	2.20E-01	6.52E-02	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/Kg	2.30E+03	DET	9.79E+03	3.30E+04	2.35E-01	6.97E-02	none
SD	CHANNEL	SWSW	METALS	Arsenic	ug/Kg	2.30E+03	DET	9.79E+03	3.30E+04	2.35E-01	6.97E-02	none
SD	CHANNEL	SWSW	METALS	Arsenic	ug/Kg	2.40E+03	DET	9.79E+03	3.30E+04	2.45E-01	7.27E-02	none
SD	CHANNEL	SD003	METALS	Arsenic	ug/Kg	2.40E+03	DET	9.79E+03	3.30E+04	2.45E-01	7.27E-02	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/Kg	2.40E+03	DET	9.79E+03	3.30E+04	2.45E-01	7.27E-02	none
SD	CHANNEL	SWSW	METALS	Arsenic	ug/Kg	2.50E+03	DET	9.79E+03	3.30E+04	2.55E-01	7.58E-02	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	2.80E+03	DET	9.79E+03	3.30E+04	2.86E-01	8.48E-02	none
SD	CHANNEL	SWNPDES1	METALS	Arsenic	ug/Kg	2.90E+03	DET	9.79E+03	3.30E+04	2.96E-01	8.79E-02	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	3.00E+03	DET	9.79E+03	3.30E+04	3.06E-01	9.09E-02	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	3.00E+03	DET	9.79E+03	3.30E+04	3.06E-01	9.09E-02	none
SD	CHANNEL	SD004	METALS	Arsenic	ug/Kg	3.02E+03	DET	9.79E+03	3.30E+04	3.08E-01	9.15E-02	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/Kg	3.20E+03	DET	9.79E+03	3.30E+04	3.27E-01	9.70E-02	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/Kg	3.20E+03	DET	9.79E+03	3.30E+04	3.27E-01	9.70E-02	none
SD	CHANNEL	SD026	METALS	Arsenic	ug/Kg	3.27E+03	DET	9.79E+03	3.30E+04	3.34E-01	9.91E-02	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	3.30E+03	DET	9.79E+03	3.30E+04	3.37E-01	1.00E-01	none
SD	CHANNEL	SWSW	METALS	Arsenic	ug/Kg	3.40E+03	DET	9.79E+03	3.30E+04	3.47E-01	1.03E-01	none
SD	CHANNEL	SWNPDES1	METALS	Arsenic	ug/Kg	3.40E+03	DET	9.79E+03	3.30E+04	3.47E-01	1.03E-01	none
SD	CHANNEL	SD025	METALS	Arsenic	ug/Kg	3.43E+03	DET	9.79E+03	3.30E+04	3.50E-01	1.04E-01	none
SD	CHANNEL	SD005	METALS	Arsenic	ug/Kg	3.50E+03	DET	9.79E+03	3.30E+04	3.58E-01	1.06E-01	none
SD	CHANNEL	SD020	METALS	Arsenic	ug/Kg	3.62E+03	DET	9.79E+03	3.30E+04	3.70E-01	1.10E-01	none
SD	CHANNEL	SD022	METALS	Arsenic	ug/Kg	3.68E+03	DET	9.79E+03	3.30E+04	3.76E-01	1.12E-01	none
SD	CHANNEL	SWNPDES2	METALS	Arsenic	ug/Kg	4.00E+03	DET	9.79E+03	3.30E+04	4.09E-01	1.21E-01	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	4.70E+03	DET	9.79E+03	3.30E+04	4.80E-01	1.42E-01	none
SD	CHANNEL	SD001	METALS	Arsenic	ug/Kg	6.59E+03	DET	9.79E+03	3.30E+04	6.73E-01	2.00E-01	none
SD	CHANNEL	SD023	METALS	Arsenic	ug/Kg	6.97E+03	DET	9.79E+03	3.30E+04	7.12E-01	2.11E-01	none
SD	CHANNEL	SWNPDES3	METALS	Arsenic	ug/Kg	7.00E+03	ND	9.79E+03	3.30E+04	7.15E-01	2.12E-01	none
SD	CHANNEL	SWNPDES1	METALS	Arsenic	ug/Kg	7.00E+03	ND	9.79E+03	3.30E+04	7.15E-01	2.12E-01	none
SD	CHANNEL	SD023	METALS	Arsenic	ug/Kg	7.16E+03	DET	9.79E+03	3.30E+04	7.31E-01	2.17E-01	none
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	1.75E+02	ND	9.90E+02	4.98E+03	1.77E-01	3.51E-02	none
SD	CHANNEL	SWSW	METALS	Cadmium	ug/Kg	1.79E+02	ND	9.90E+02	4.98E+03	1.81E-01	3.59E-02	none
SD	CHANNEL	SWSW	METALS	Cadmium	ug/Kg	1.82E+02	ND	9.90E+02	4.98E+03	1.84E-01	3.65E-02	none
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/Kg	2.00E+02	ND	9.90E+02	4.98E+03	2.02E-01	4.02E-02	none
SD	CHANNEL	SWNPDES1	METALS	Cadmium	ug/Kg	3.00E+02	ND	9.90E+02	4.98E+03	3.03E-01	6.02E-02	none
SD	CHANNEL	SD002200	METALS	Cadmium	ug/Kg	3.90E+02	DET	9.90E+02	4.98E+03	3.94E-01	7.83E-02	none
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	4.00E+02	DET	9.90E+02	4.98E+03	4.04E-01	8.03E-02	none
SD	CHANNEL	SD003	METALS	Cadmium	ug/Kg	4.43E+02	ND	9.90E+02	4.98E+03	4.47E-01	8.90E-02	none
SD	CHANNEL	SWSW	METALS	Cadmium	ug/Kg	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWSW	METALS	Cadmium	ug/Kg	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWSW	METALS	Cadmium	ug/Kg	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWSW	METALS	Cadmium	ug/Kg	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/Kg	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/Kg	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/Kg	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/KG	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWNPDES1	METALS	Cadmium	ug/KG	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/Kg	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/KG	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SWSW	METALS	Cadmium	ug/Kg	5.00E+02	ND	9.90E+02	4.98E+03	5.05E-01	1.00E-01	none
SD	CHANNEL	SD002200	METALS	Cadmium	ug/Kg	5.10E+02	DET	9.90E+02	4.98E+03	5.15E-01	1.02E-01	none
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/Kg	5.20E+02	DET	9.90E+02	4.98E+03	5.25E-01	1.04E-01	none
SD	CHANNEL	SD002200	METALS	Cadmium	ug/Kg	5.30E+02	DET	9.90E+02	4.98E+03	5.35E-01	1.06E-01	none
SD	CHANNEL	SD002200	METALS	Cadmium	ug/Kg	5.30E+02	DET	9.90E+02	4.98E+03	5.35E-01	1.06E-01	none
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	5.80E+02	DET	9.90E+02	4.98E+03	5.86E-01	1.16E-01	none
SD	CHANNEL	SD005	METALS	Cadmium	ug/Kg	6.48E+02	ND	9.90E+02	4.98E+03	6.55E-01	1.30E-01	none
SD	CHANNEL	SWSW	METALS	Cadmium	ug/Kg	6.50E+02	DET	9.90E+02	4.98E+03	6.57E-01	1.31E-01	none
SD	CHANNEL	SWSW	METALS	Cadmium	ug/Kg	6.60E+02	DET	9.90E+02	4.98E+03	6.67E-01	1.33E-01	none
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	6.60E+02	DET	9.90E+02	4.98E+03	6.67E-01	1.33E-01	none
SD	CHANNEL	SD004	METALS	Cadmium	ug/Kg	6.96E+02	ND	9.90E+02	4.98E+03	7.03E-01	1.40E-01	none
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	7.20E+02	DET	9.90E+02	4.98E+03	7.27E-01	1.45E-01	none
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/Kg	7.50E+02	DET	9.90E+02	4.98E+03	7.58E-01	1.51E-01	none
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	7.90E+02	ND	9.90E+02	4.98E+03	7.98E-01	1.59E-01	none
SD	CHANNEL	SD024	METALS	Cadmium	ug/Kg	8.23E+02	ND	9.90E+02	4.98E+03	8.31E-01	1.65E-01	none
SD	CHANNEL	SD026	METALS	Cadmium	ug/Kg	8.28E+02	ND	9.90E+02	4.98E+03	8.36E-01	1.66E-01	none
SD	CHANNEL	SD025	METALS	Cadmium	ug/Kg	8.97E+02	ND	9.90E+02	4.98E+03	9.06E-01	1.80E-01	none
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	9.00E+02	DET	9.90E+02	4.98E+03	9.09E-01	1.81E-01	none
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	9.40E+02	DET	9.90E+02	4.98E+03	9.49E-01	1.89E-01	none
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/Kg	1.00E+03	ND	9.90E+02	4.98E+03	1.01E+00	2.01E-01	poss-ND
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	1.00E+03	ND	9.90E+02	4.98E+03	1.01E+00	2.01E-01	poss-ND
SD	CHANNEL	SWSW	METALS	Cadmium	ug/Kg	1.10E+03	DET	9.90E+02	4.98E+03	1.11E+00	2.21E-01	poss-det
SD	CHANNEL	SD020	METALS	Cadmium	ug/Kg	1.19E+03	ND	9.90E+02	4.98E+03	1.20E+00	2.39E-01	poss-ND
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/Kg	1.20E+03	ND	9.90E+02	4.98E+03	1.21E+00	2.41E-01	poss-ND
SD	CHANNEL	SWNPDES1	METALS	Cadmium	ug/Kg	1.20E+03	ND	9.90E+02	4.98E+03	1.21E+00	2.41E-01	poss-ND
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/Kg	1.30E+03	DET	9.90E+02	4.98E+03	1.31E+00	2.61E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/Kg	1.80E+03	DET	9.90E+02	4.98E+03	1.82E+00	3.61E-01	poss-det
SD	CHANNEL	SWSW	METALS	Cadmium	ug/Kg	2.20E+03	DET	9.90E+02	4.98E+03	2.22E+00	4.42E-01	poss-det
SD	CHANNEL	SD022	METALS	Cadmium	ug/Kg	2.23E+03	ND	9.90E+02	4.98E+03	2.25E+00	4.48E-01	poss-ND
SD	CHANNEL	SWNPDES1	METALS	Cadmium	ug/Kg	2.30E+03	DET	9.90E+02	4.98E+03	2.32E+00	4.62E-01	poss-det
SD	CHANNEL	SD001	METALS	Cadmium	ug/Kg	2.43E+03	DET	9.90E+02	4.98E+03	2.45E+00	4.88E-01	poss-det
SD	CHANNEL	SD023	METALS	Cadmium	ug/Kg	3.08E+03	ND	9.90E+02	4.98E+03	3.11E+00	6.18E-01	poss-ND
SD	CHANNEL	SD023	METALS	Cadmium	ug/Kg	3.59E+03	ND	9.90E+02	4.98E+03	3.63E+00	7.21E-01	poss-ND
SD	CHANNEL	SWNPDES3	METALS	Cadmium	ug/Kg	5.00E+03	ND	9.90E+02	4.98E+03	5.05E+00	1.00E+00	prob-ND
SD	CHANNEL	SWNPDES2	METALS	Cadmium	ug/Kg	5.00E+03	ND	9.90E+02	4.98E+03	5.05E+00	1.00E+00	prob-ND
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	1.05E+02	ND	4.34E+04	1.11E+05	2.42E-03	9.46E-04	none
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	1.60E+03	ND	4.34E+04	1.11E+05	3.69E-02	1.44E-02	none
SD	CHANNEL	SWNPDES1	METALS	Chromium	ug/Kg	2.30E+03	ND	4.34E+04	1.11E+05	5.30E-02	2.07E-02	none
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/Kg	2.40E+03	DET	4.34E+04	1.11E+05	5.53E-02	2.16E-02	none
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	5.90E+03	DET	4.34E+04	1.11E+05	1.36E-01	5.32E-02	none
SD	CHANNEL	SWNPDES1	METALS	Chromium	ug/KG	7.00E+03	DET	4.34E+04	1.11E+05	1.61E-01	6.31E-02	none
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/KG	7.00E+03	DET	4.34E+04	1.11E+05	1.61E-01	6.31E-02	none
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	8.20E+03	DET	4.34E+04	1.11E+05	1.89E-01	7.39E-02	none
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	8.60E+03	DET	4.34E+04	1.11E+05	1.98E-01	7.75E-02	none
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/Kg	9.60E+03	DET	4.34E+04	1.11E+05	2.21E-01	8.65E-02	none
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/Kg	1.04E+04	DET	4.34E+04	1.11E+05	2.40E-01	9.37E-02	none
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/Kg	1.12E+04	DET	4.34E+04	1.11E+05	2.58E-01	1.01E-01	none
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/Kg	1.17E+04	DET	4.34E+04	1.11E+05	2.70E-01	1.05E-01	none
SD	CHANNEL	SWSW	METALS	Chromium	ug/Kg	1.25E+04	DET	4.34E+04	1.11E+05	2.88E-01	1.13E-01	none
SD	CHANNEL	SWSW	METALS	Chromium	ug/Kg	1.25E+04	DET	4.34E+04	1.11E+05	2.88E-01	1.13E-01	none
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	1.31E+04	DET	4.34E+04	1.11E+05	3.02E-01	1.18E-01	none
SD	CHANNEL	SWNPDES1	METALS	Chromium	ug/Kg	1.56E+04	DET	4.34E+04	1.11E+05	3.59E-01	1.41E-01	none
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/Kg	1.57E+04	DET	4.34E+04	1.11E+05	3.62E-01	1.41E-01	none
SD	CHANNEL	SD020	METALS	Chromium	ug/Kg	1.65E+04	DET	4.34E+04	1.11E+05	3.80E-01	1.49E-01	none
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	1.70E+04	DET	4.34E+04	1.11E+05	3.92E-01	1.53E-01	none
SD	CHANNEL	SWNPDES1	METALS	Chromium	ug/Kg	1.80E+04	DET	4.34E+04	1.11E+05	4.15E-01	1.62E-01	none
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/Kg	1.86E+04	DET	4.34E+04	1.11E+05	4.29E-01	1.68E-01	none
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/Kg	1.89E+04	DET	4.34E+04	1.11E+05	4.35E-01	1.70E-01	none
SD	CHANNEL	SWSW	METALS	Chromium	ug/Kg	1.94E+04	DET	4.34E+04	1.11E+05	4.47E-01	1.75E-01	none
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	1.94E+04	DET	4.34E+04	1.11E+05	4.47E-01	1.75E-01	none
SD	CHANNEL	SWSW	METALS	Chromium	ug/Kg	1.98E+04	DET	4.34E+04	1.11E+05	4.56E-01	1.78E-01	none
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	2.00E+04	DET	4.34E+04	1.11E+05	4.61E-01	1.80E-01	none
SD	CHANNEL	SWSW	METALS	Chromium	ug/Kg	2.01E+04	DET	4.34E+04	1.11E+05	4.63E-01	1.81E-01	none
SD	CHANNEL	SWSW	METALS	Chromium	ug/Kg	2.06E+04	DET	4.34E+04	1.11E+05	4.75E-01	1.86E-01	none
SD	CHANNEL	SD002200	METALS	Chromium	ug/Kg	2.46E+04	DET	4.34E+04	1.11E+05	5.67E-01	2.22E-01	none
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/KG	2.80E+04	DET	4.34E+04	1.11E+05	6.45E-01	2.52E-01	none
SD	CHANNEL	SD005	METALS	Chromium	ug/Kg	3.03E+04	DET	4.34E+04	1.11E+05	6.98E-01	2.73E-01	none
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	3.50E+04	DET	4.34E+04	1.11E+05	8.06E-01	3.15E-01	none
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	3.95E+04	DET	4.34E+04	1.11E+05	9.10E-01	3.56E-01	none
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	3.99E+04	DET	4.34E+04	1.11E+05	9.19E-01	3.59E-01	none
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/Kg	4.60E+04	DET	4.34E+04	1.11E+05	1.06E+00	4.14E-01	poss-det
SD	CHANNEL	SD002200	METALS	Chromium	ug/Kg	4.71E+04	DET	4.34E+04	1.11E+05	1.09E+00	4.24E-01	poss-det
SD	CHANNEL	SD003	METALS	Chromium	ug/Kg	5.52E+04	DET	4.34E+04	1.11E+05	1.27E+00	4.97E-01	poss-det
SD	CHANNEL	SD002200	METALS	Chromium	ug/Kg	5.91E+04	DET	4.34E+04	1.11E+05	1.36E+00	5.32E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/Kg	6.20E+04	DET	4.34E+04	1.11E+05	1.43E+00	5.59E-01	poss-det
SD	CHANNEL	SWSW	METALS	Chromium	ug/Kg	7.80E+04	DET	4.34E+04	1.11E+05	1.80E+00	7.03E-01	poss-det
SD	CHANNEL	SD002200	METALS	Chromium	ug/Kg	7.82E+04	DET	4.34E+04	1.11E+05	1.80E+00	7.05E-01	poss-det
SD	CHANNEL	SWSW	METALS	Chromium	ug/Kg	8.98E+04	DET	4.34E+04	1.11E+05	2.07E+00	8.09E-01	poss-det
SD	CHANNEL	SWSW	METALS	Chromium	ug/Kg	9.41E+04	DET	4.34E+04	1.11E+05	2.17E+00	8.48E-01	poss-det
SD	CHANNEL	SD004	METALS	Chromium	ug/Kg	9.43E+04	DET	4.34E+04	1.11E+05	2.17E+00	8.50E-01	poss-det
SD	CHANNEL	SD022	METALS	Chromium	ug/Kg	1.22E+05	DET	4.34E+04	1.11E+05	2.81E+00	1.10E+00	prob-det
SD	CHANNEL	SD024	METALS	Chromium	ug/Kg	1.38E+05	DET	4.34E+04	1.11E+05	3.18E+00	1.24E+00	prob-det
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/Kg	1.47E+05	DET	4.34E+04	1.11E+05	3.39E+00	1.32E+00	prob-det

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	METALS	Chromium	ug/Kg	1.73E+05	DET	4.34E+04	1.11E+05	3.99E+00	1.56E+00	prob-det
SD	CHANNEL	SWNPDES3	METALS	Chromium	ug/Kg	1.88E+05	DET	4.34E+04	1.11E+05	4.33E+00	1.69E+00	prob-det
SD	CHANNEL	SWSW	METALS	Chromium	ug/Kg	2.00E+05	DET	4.34E+04	1.11E+05	4.61E+00	1.80E+00	prob-det
SD	CHANNEL	SD026	METALS	Chromium	ug/Kg	2.52E+05	DET	4.34E+04	1.11E+05	5.81E+00	2.27E+00	prob-det
SD	CHANNEL	SWNPDES2	METALS	Chromium	ug/Kg	3.70E+05	DET	4.34E+04	1.11E+05	8.53E+00	3.33E+00	prob-det
SD	CHANNEL	SD025	METALS	Chromium	ug/Kg	7.16E+05	DET	4.34E+04	1.11E+05	1.65E+01	6.45E+00	prob-det
SD	CHANNEL	SD023	METALS	Chromium	ug/Kg	1.36E+06	DET	4.34E+04	1.11E+05	3.13E+01	1.23E+01	prob-det
SD	CHANNEL	SD001	METALS	Chromium	ug/Kg	1.69E+06	DET	4.34E+04	1.11E+05	3.89E+01	1.52E+01	prob-det
SD	CHANNEL	SD023	METALS	Chromium	ug/Kg	1.87E+06	DET	4.34E+04	1.11E+05	4.31E+01	1.68E+01	prob-det
SD	CHANNEL	SWNPDES3	METALS	Cobalt	ug/Kg	1.05E+02	ND	5.00E+04		2.10E-03		none
SD	CHANNEL	SWNPDES3	METALS	Cobalt	ug/Kg	1.60E+03	ND	5.00E+04		3.20E-02		none
SD	CHANNEL	SWNPDES1	METALS	Cobalt	ug/Kg	2.30E+03	ND	5.00E+04		4.60E-02		none
SD	CHANNEL	SWNPDES2	METALS	Cobalt	ug/Kg	2.40E+03	ND	5.00E+04		4.80E-02		none
SD	CHANNEL	SWNPDES2	METALS	Cobalt	ug/Kg	3.60E+03	DET	5.00E+04		7.20E-02		none
SD	CHANNEL	SWSW	METALS	Cobalt	ug/Kg	3.60E+03	DET	5.00E+04		7.20E-02		none
SD	CHANNEL	SWSW	METALS	Cobalt	ug/Kg	4.80E+03	DET	5.00E+04		9.60E-02		none
SD	CHANNEL	SWSW	METALS	Cobalt	ug/Kg	5.70E+03	DET	5.00E+04		1.14E-01		none
SD	CHANNEL	SWSW	METALS	Cobalt	ug/Kg	6.00E+03	DET	5.00E+04		1.20E-01		none
SD	CHANNEL	SWNPDES2	METALS	Cobalt	ug/Kg	6.40E+03	DET	5.00E+04		1.28E-01		none
SD	CHANNEL	SWSW	METALS	Cobalt	ug/Kg	6.80E+03	DET	5.00E+04		1.36E-01		none
SD	CHANNEL	SWNPDES3	METALS	Cobalt	ug/Kg	7.10E+03	DET	5.00E+04		1.42E-01		none
SD	CHANNEL	SWNPDES3	METALS	Cobalt	ug/Kg	7.40E+03	DET	5.00E+04		1.48E-01		none
SD	CHANNEL	SD002200	METALS	Cobalt	ug/Kg	7.80E+03	DET	5.00E+04		1.56E-01		none
SD	CHANNEL	SWNPDES3	METALS	Cobalt	ug/Kg	8.00E+03	DET	5.00E+04		1.60E-01		none
SD	CHANNEL	SWNPDES3	METALS	Cobalt	ug/Kg	8.00E+03	DET	5.00E+04		1.60E-01		none
SD	CHANNEL	SWNPDES3	METALS	Cobalt	ug/Kg	8.10E+03	DET	5.00E+04		1.62E-01		none
SD	CHANNEL	SWSW	METALS	Cobalt	ug/Kg	8.90E+03	DET	5.00E+04		1.78E-01		none
SD	CHANNEL	SWNPDES2	METALS	Cobalt	ug/Kg	8.90E+03	DET	5.00E+04		1.78E-01		none
SD	CHANNEL	SWNPDES2	METALS	Cobalt	ug/Kg	9.00E+03	DET	5.00E+04		1.80E-01		none
SD	CHANNEL	SWNPDES2	METALS	Cobalt	ug/Kg	9.30E+03	DET	5.00E+04		1.86E-01		none
SD	CHANNEL	SWSW	METALS	Cobalt	ug/Kg	9.40E+03	DET	5.00E+04		1.88E-01		none
SD	CHANNEL	SD002200	METALS	Cobalt	ug/Kg	9.50E+03	DET	5.00E+04		1.90E-01		none
SD	CHANNEL	SWNPDES2	METALS	Cobalt	ug/Kg	9.70E+03	DET	5.00E+04		1.94E-01		none
SD	CHANNEL	SWSW	METALS	Cobalt	ug/Kg	1.00E+04	DET	5.00E+04		2.00E-01		none
SD	CHANNEL	SD002200	METALS	Cobalt	ug/Kg	1.01E+04	DET	5.00E+04		2.02E-01		none
SD	CHANNEL	SWNPDES2	METALS	Cobalt	ug/Kg	1.01E+04	DET	5.00E+04		2.02E-01		none
SD	CHANNEL	SWNPDES3	METALS	Cobalt	ug/Kg	1.01E+04	DET	5.00E+04		2.02E-01		none
SD	CHANNEL	SD002200	METALS	Cobalt	ug/Kg	1.13E+04	DET	5.00E+04		2.26E-01		none
SD	CHANNEL	SWNPDES3	METALS	Cobalt	ug/Kg	1.17E+04	DET	5.00E+04		2.34E-01		none
SD	CHANNEL	SWNPDES2	METALS	Cobalt	ug/Kg	1.24E+04	DET	5.00E+04		2.48E-01		none
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	1.60E+03	ND	3.16E+04	1.49E+05	5.06E-02	1.07E-02	none
SD	CHANNEL	SWNPDES1	METALS	Copper	ug/Kg	2.30E+03	ND	3.16E+04	1.49E+05	7.28E-02	1.54E-02	none
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/Kg	2.40E+03	ND	3.16E+04	1.49E+05	7.59E-02	1.61E-02	none
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/KG	9.00E+03	DET	3.16E+04	1.49E+05	2.85E-01	6.04E-02	none
SD	CHANNEL	SWNPDES1	METALS	Copper	ug/KG	1.00E+04	DET	3.16E+04	1.49E+05	3.16E-01	6.71E-02	none
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	1.56E+04	DET	3.16E+04	1.49E+05	4.94E-01	1.05E-01	none
SD	CHANNEL	SWSW	METALS	Copper	ug/Kg	2.13E+04	DET	3.16E+04	1.49E+05	6.74E-01	1.43E-01	none
SD	CHANNEL	SWSW	METALS	Copper	ug/Kg	2.21E+04	DET	3.16E+04	1.49E+05	6.99E-01	1.48E-01	none
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/Kg	2.37E+04	DET	3.16E+04	1.49E+05	7.50E-01	1.59E-01	none
SD	CHANNEL	SWSW	METALS	Copper	ug/Kg	2.40E+04	DET	3.16E+04	1.49E+05	7.59E-01	1.61E-01	none
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/KG	2.70E+04	DET	3.16E+04	1.49E+05	8.54E-01	1.81E-01	none
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/Kg	3.08E+04	DET	3.16E+04	1.49E+05	9.75E-01	2.07E-01	none
SD	CHANNEL	SWSW	METALS	Copper	ug/Kg	3.10E+04	DET	3.16E+04	1.49E+05	9.81E-01	2.08E-01	none
SD	CHANNEL	SD002200	METALS	Copper	ug/Kg	3.19E+04	DET	3.16E+04	1.49E+05	1.01E+00	2.14E-01	poss-det
SD	CHANNEL	SWSW	METALS	Copper	ug/Kg	3.20E+04	DET	3.16E+04	1.49E+05	1.01E+00	2.15E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/Kg	3.26E+04	DET	3.16E+04	1.49E+05	1.03E+00	2.19E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	3.43E+04	DET	3.16E+04	1.49E+05	1.09E+00	2.30E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	3.54E+04	DET	3.16E+04	1.49E+05	1.12E+00	2.38E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	3.70E+04	DET	3.16E+04	1.49E+05	1.17E+00	2.48E-01	poss-det
SD	CHANNEL	SWSW	METALS	Copper	ug/Kg	3.87E+04	DET	3.16E+04	1.49E+05	1.22E+00	2.60E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	3.88E+04	DET	3.16E+04	1.49E+05	1.23E+00	2.60E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	3.90E+04	DET	3.16E+04	1.49E+05	1.23E+00	2.62E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/Kg	3.90E+04	DET	3.16E+04	1.49E+05	1.23E+00	2.62E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	4.07E+04	DET	3.16E+04	1.49E+05	1.29E+00	2.73E-01	poss-det
SD	CHANNEL	SWSW	METALS	Copper	ug/Kg	4.16E+04	DET	3.16E+04	1.49E+05	1.32E+00	2.79E-01	poss-det
SD	CHANNEL	SD002200	METALS	Copper	ug/Kg	4.26E+04	DET	3.16E+04	1.49E+05	1.35E+00	2.86E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/Kg	4.32E+04	DET	3.16E+04	1.49E+05	1.37E+00	2.90E-01	poss-det
SD	CHANNEL	SD002200	METALS	Copper	ug/Kg	4.35E+04	DET	3.16E+04	1.49E+05	1.38E+00	2.92E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/Kg	4.42E+04	DET	3.16E+04	1.49E+05	1.40E+00	2.97E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	4.62E+04	DET	3.16E+04	1.49E+05	1.46E+00	3.10E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/Kg	4.69E+04	DET	3.16E+04	1.49E+05	1.48E+00	3.15E-01	poss-det
SD	CHANNEL	SWSW	METALS	Copper	ug/Kg	4.73E+04	DET	3.16E+04	1.49E+05	1.50E+00	3.17E-01	poss-det
SD	CHANNEL	SD002200	METALS	Copper	ug/Kg	4.78E+04	DET	3.16E+04	1.49E+05	1.51E+00	3.21E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/Kg	5.00E+04	DET	3.16E+04	1.49E+05	1.58E+00	3.36E-01	poss-det
SD	CHANNEL	SWSW	METALS	Copper	ug/Kg	5.20E+04	DET	3.16E+04	1.49E+05	1.65E+00	3.49E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/Kg	5.29E+04	DET	3.16E+04	1.49E+05	1.67E+00	3.55E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	5.45E+04	DET	3.16E+04	1.49E+05	1.72E+00	3.66E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	5.50E+04	DET	3.16E+04	1.49E+05	1.74E+00	3.69E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/Kg	5.54E+04	DET	3.16E+04	1.49E+05	1.75E+00	3.72E-01	poss-det
SD	CHANNEL	SWSW	METALS	Copper	ug/Kg	5.70E+04	DET	3.16E+04	1.49E+05	1.80E+00	3.83E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	7.36E+04	DET	3.16E+04	1.49E+05	2.33E+00	4.94E-01	poss-det
SD	CHANNEL	SWNPDES1	METALS	Copper	ug/Kg	7.86E+04	DET	3.16E+04	1.49E+05	2.49E+00	5.28E-01	poss-det
SD	CHANNEL	SWNPDES1	METALS	Copper	ug/Kg	1.06E+05	DET	3.16E+04	1.49E+05	3.35E+00	7.11E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Copper	ug/Kg	1.20E+05	DET	3.16E+04	1.49E+05	3.80E+00	8.05E-01	poss-det
SD	CHANNEL	SWSW	METALS	Copper	ug/Kg	1.28E+05	DET	3.16E+04	1.49E+05	4.05E+00	8.59E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Copper	ug/Kg	1.40E+05	DET	3.16E+04	1.49E+05	4.43E+00	9.40E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	2.55E+01	DET	3.58E+04	1.28E+05	7.11E-04	1.99E-04	none
SD	CHANNEL	SWSW	METALS	Lead	ug/Kg	1.30E+03	DET	3.58E+04	1.28E+05	3.63E-02	1.02E-02	none
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/KG	1.30E+03	DET	3.58E+04	1.28E+05	3.63E-02	1.02E-02	none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	METALS	Lead	ug/Kg	1.30E+03	DET	3.58E+04	1.28E+05	3.63E-02	1.02E-02	none
SD	CHANNEL	SWSW	METALS	Lead	ug/Kg	1.40E+03	DET	3.58E+04	1.28E+05	3.91E-02	1.09E-02	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	1.40E+03	DET	3.58E+04	1.28E+05	3.91E-02	1.09E-02	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	1.40E+03	DET	3.58E+04	1.28E+05	3.91E-02	1.09E-02	none
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/Kg	1.50E+03	DET	3.58E+04	1.28E+05	4.19E-02	1.17E-02	none
SD	CHANNEL	SWNPDES1	METALS	Lead	ug/Kg	1.60E+03	DET	3.58E+04	1.28E+05	4.47E-02	1.25E-02	none
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/Kg	1.70E+03	DET	3.58E+04	1.28E+05	4.75E-02	1.33E-02	none
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/Kg	1.80E+03	DET	3.58E+04	1.28E+05	5.03E-02	1.41E-02	none
SD	CHANNEL	SWSW	METALS	Lead	ug/Kg	1.80E+03	DET	3.58E+04	1.28E+05	5.03E-02	1.41E-02	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	1.90E+03	DET	3.58E+04	1.28E+05	5.31E-02	1.48E-02	none
SD	CHANNEL	SWSW	METALS	Lead	ug/Kg	2.00E+03	DET	3.58E+04	1.28E+05	5.59E-02	1.56E-02	none
SD	CHANNEL	SWSW	METALS	Lead	ug/Kg	2.10E+03	DET	3.58E+04	1.28E+05	5.87E-02	1.64E-02	none
SD	CHANNEL	SWNPDES1	METALS	Lead	ug/KG	2.10E+03	DET	3.58E+04	1.28E+05	5.87E-02	1.64E-02	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/KG	2.50E+03	DET	3.58E+04	1.28E+05	6.98E-02	1.95E-02	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	2.50E+03	DET	3.58E+04	1.28E+05	6.98E-02	1.95E-02	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	2.70E+03	DET	3.58E+04	1.28E+05	7.54E-02	2.11E-02	none
SD	CHANNEL	SWSW	METALS	Lead	ug/Kg	2.70E+03	DET	3.58E+04	1.28E+05	7.54E-02	2.11E-02	none
SD	CHANNEL	SD002200	METALS	Lead	ug/Kg	2.70E+03	DET	3.58E+04	1.28E+05	7.54E-02	2.11E-02	none
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/Kg	2.80E+03	DET	3.58E+04	1.28E+05	7.82E-02	2.19E-02	none
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/Kg	3.20E+03	DET	3.58E+04	1.28E+05	8.94E-02	2.50E-02	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	3.30E+03	DET	3.58E+04	1.28E+05	9.22E-02	2.58E-02	none
SD	CHANNEL	SD002200	METALS	Lead	ug/Kg	3.40E+03	DET	3.58E+04	1.28E+05	9.50E-02	2.66E-02	none
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/Kg	3.40E+03	DET	3.58E+04	1.28E+05	9.50E-02	2.66E-02	none
SD	CHANNEL	SD002200	METALS	Lead	ug/Kg	3.90E+03	DET	3.58E+04	1.28E+05	1.09E-01	3.05E-02	none
SD	CHANNEL	SWNPDES1	METALS	Lead	ug/Kg	4.00E+03	DET	3.58E+04	1.28E+05	1.12E-01	3.13E-02	none
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/Kg	4.90E+03	DET	3.58E+04	1.28E+05	1.37E-01	3.83E-02	none
SD	CHANNEL	SWSW	METALS	Lead	ug/Kg	5.30E+03	DET	3.58E+04	1.28E+05	1.48E-01	4.14E-02	none
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/Kg	5.40E+03	DET	3.58E+04	1.28E+05	1.51E-01	4.22E-02	none
SD	CHANNEL	SD003	METALS	Lead	ug/Kg	5.49E+03	DET	3.58E+04	1.28E+05	1.53E-01	4.29E-02	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	6.10E+03	DET	3.58E+04	1.28E+05	1.70E-01	4.77E-02	none
SD	CHANNEL	SWSW	METALS	Lead	ug/Kg	6.30E+03	DET	3.58E+04	1.28E+05	1.76E-01	4.92E-02	none
SD	CHANNEL	SD005	METALS	Lead	ug/Kg	6.40E+03	DET	3.58E+04	1.28E+05	1.79E-01	5.00E-02	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	6.90E+03	DET	3.58E+04	1.28E+05	1.93E-01	5.39E-02	none
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/Kg	7.00E+03	DET	3.58E+04	1.28E+05	1.96E-01	5.47E-02	none
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/Kg	7.00E+03	DET	3.58E+04	1.28E+05	1.96E-01	5.47E-02	none
SD	CHANNEL	SD002200	METALS	Lead	ug/Kg	7.40E+03	DET	3.58E+04	1.28E+05	2.07E-01	5.78E-02	none
SD	CHANNEL	SD024	METALS	Lead	ug/Kg	8.61E+03	DET	3.58E+04	1.28E+05	2.41E-01	6.73E-02	none
SD	CHANNEL	SD004	METALS	Lead	ug/Kg	8.82E+03	DET	3.58E+04	1.28E+05	2.46E-01	6.89E-02	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	9.00E+03	DET	3.58E+04	1.28E+05	2.51E-01	7.03E-02	none
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/Kg	9.70E+03	DET	3.58E+04	1.28E+05	2.71E-01	7.58E-02	none
SD	CHANNEL	SD026	METALS	Lead	ug/Kg	1.09E+04	DET	3.58E+04	1.28E+05	3.04E-01	8.52E-02	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	1.11E+04	DET	3.58E+04	1.28E+05	3.10E-01	8.67E-02	none
SD	CHANNEL	SWNPDES1	METALS	Lead	ug/Kg	1.16E+04	DET	3.58E+04	1.28E+05	3.24E-01	9.06E-02	none
SD	CHANNEL	SD020	METALS	Lead	ug/Kg	1.27E+04	DET	3.58E+04	1.28E+05	3.55E-01	9.92E-02	none
SD	CHANNEL	SD001	METALS	Lead	ug/Kg	1.39E+04	DET	3.58E+04	1.28E+05	3.88E-01	1.09E-01	none
SD	CHANNEL	SWSW	METALS	Lead	ug/Kg	1.50E+04	DET	3.58E+04	1.28E+05	4.19E-01	1.17E-01	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	1.60E+04	DET	3.58E+04	1.28E+05	4.47E-01	1.25E-01	none
SD	CHANNEL	SWNPDES3	METALS	Lead	ug/Kg	1.69E+04	DET	3.58E+04	1.28E+05	4.72E-01	1.32E-01	none
SD	CHANNEL	SWSW	METALS	Lead	ug/Kg	3.40E+04	DET	3.58E+04	1.28E+05	9.50E-01	2.66E-01	none
SD	CHANNEL	SD025	METALS	Lead	ug/Kg	4.51E+04	DET	3.58E+04	1.28E+05	1.26E+00	3.52E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Lead	ug/Kg	6.63E+04	DET	3.58E+04	1.28E+05	1.85E+00	5.18E-01	poss-det
SD	CHANNEL	SD023	METALS	Lead	ug/Kg	7.48E+04	DET	3.58E+04	1.28E+05	2.09E+00	5.84E-01	poss-det
SD	CHANNEL	SD023	METALS	Lead	ug/Kg	8.02E+04	DET	3.58E+04	1.28E+05	2.24E+00	6.27E-01	poss-det
SD	CHANNEL	SD022	METALS	Lead	ug/Kg	9.61E+04	DET	3.58E+04	1.28E+05	2.68E+00	7.51E-01	poss-det
SD	CHANNEL	SWNPDES1	METALS	Manganese	ug/KG	7.40E+04	DET	1.67E+03	1.08E+03	4.42E+01	6.85E+01	prob-det
SD	CHANNEL	SWNPDES2	METALS	Manganese	ug/KG	1.02E+05	DET	1.67E+03	1.08E+03	6.10E+01	9.44E+01	prob-det
SD	CHANNEL	SWNPDES2	METALS	Manganese	ug/Kg	1.12E+05	DET	1.67E+03	1.08E+03	6.69E+01	1.04E+02	prob-det
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/Kg	1.23E+05	DET	1.67E+03	1.08E+03	7.35E+01	1.14E+02	prob-det
SD	CHANNEL	SWSW	METALS	Manganese	ug/Kg	1.49E+05	DET	1.67E+03	1.08E+03	8.91E+01	1.38E+02	prob-det
SD	CHANNEL	SWSW	METALS	Manganese	ug/Kg	1.51E+05	DET	1.67E+03	1.08E+03	9.03E+01	1.40E+02	prob-det
SD	CHANNEL	SWSW	METALS	Manganese	ug/Kg	1.86E+05	DET	1.67E+03	1.08E+03	1.11E+02	1.72E+02	prob-det
SD	CHANNEL	SWSW	METALS	Manganese	ug/Kg	1.89E+05	DET	1.67E+03	1.08E+03	1.13E+02	1.75E+02	prob-det
SD	CHANNEL	SWNPDES2	METALS	Manganese	ug/Kg	2.15E+05	DET	1.67E+03	1.08E+03	1.29E+02	1.99E+02	prob-det
SD	CHANNEL	SWNPDES2	METALS	Manganese	ug/Kg	2.50E+05	DET	1.67E+03	1.08E+03	1.49E+02	2.31E+02	prob-det
SD	CHANNEL	SD002200	METALS	Manganese	ug/Kg	2.54E+05	DET	1.67E+03	1.08E+03	1.52E+02	2.35E+02	prob-det
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/Kg	2.64E+05	DET	1.67E+03	1.08E+03	1.58E+02	2.44E+02	prob-det
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/KG	2.81E+05	DET	1.67E+03	1.08E+03	1.68E+02	2.60E+02	prob-det
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/Kg	2.83E+05	DET	1.67E+03	1.08E+03	1.69E+02	2.62E+02	prob-det
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/Kg	2.92E+05	DET	1.67E+03	1.08E+03	1.75E+02	2.70E+02	prob-det
SD	CHANNEL	SD002200	METALS	Manganese	ug/Kg	2.98E+05	DET	1.67E+03	1.08E+03	1.78E+02	2.76E+02	prob-det
SD	CHANNEL	SWSW	METALS	Manganese	ug/Kg	3.04E+05	DET	1.67E+03	1.08E+03	1.82E+02	2.81E+02	prob-det
SD	CHANNEL	SWSW	METALS	Manganese	ug/Kg	3.13E+05	DET	1.67E+03	1.08E+03	1.87E+02	2.90E+02	prob-det
SD	CHANNEL	SD002200	METALS	Manganese	ug/Kg	4.06E+05	DET	1.67E+03	1.08E+03	2.43E+02	3.76E+02	prob-det
SD	CHANNEL	SWNPDES2	METALS	Manganese	ug/Kg	4.07E+05	DET	1.67E+03	1.08E+03	2.43E+02	3.77E+02	prob-det
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/Kg	4.07E+05	DET	1.67E+03	1.08E+03	2.43E+02	3.77E+02	prob-det
SD	CHANNEL	SD002200	METALS	Manganese	ug/Kg	4.08E+05	DET	1.67E+03	1.08E+03	2.44E+02	3.77E+02	prob-det
SD	CHANNEL	SWNPDES2	METALS	Manganese	ug/Kg	4.14E+05	DET	1.67E+03	1.08E+03	2.47E+02	3.83E+02	prob-det
SD	CHANNEL	SWSW	METALS	Manganese	ug/Kg	4.38E+05	DET	1.67E+03	1.08E+03	2.62E+02	4.05E+02	prob-det
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/Kg	4.59E+05	DET	1.67E+03	1.08E+03	2.74E+02	4.25E+02	prob-det
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/Kg	4.81E+05	DET	1.67E+03	1.08E+03	2.88E+02	4.45E+02	prob-det
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/Kg	5.37E+05	DET	1.67E+03	1.08E+03	3.21E+02	4.97E+02	prob-det
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/Kg	5.52E+05	DET	1.67E+03	1.08E+03	3.30E+02	5.11E+02	prob-det
SD	CHANNEL	SWSW	METALS	Manganese	ug/Kg	5.96E+05	DET	1.67E+03	1.08E+03	3.56E+02	5.51E+02	prob-det
SD	CHANNEL	SWSW	METALS	Manganese	ug/Kg	5.98E+05	DET	1.67E+03	1.08E+03	3.57E+02	5.53E+02	prob-det
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/Kg	5.98E+05	DET	1.67E+03	1.08E+03	3.57E+02	5.53E+02	prob-det
SD	CHANNEL	SWNPDES2	METALS	Manganese	ug/Kg	6.18E+05	DET	1.67E+03	1.08E+03	3.69E+02	5.72E+02	prob-det
SD	CHANNEL	SWSW	METALS	Manganese	ug/Kg	6.32E+05	DET	1.67E+03	1.08E+03	3.78E+02	5.85E+02	prob-det
SD	CHANNEL	SWNPDES2	METALS	Manganese	ug/Kg	6.38E+05	DET	1.67E+03	1.08E+03	3.81E+02	5.90E+02	prob-det
SD	CHANNEL	SWNPDES2	METALS	Manganese	ug/Kg	6.78E+05	DET	1.67E+03	1.08E+03	4.05E+02	6.27E+02	prob-det

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/Kg	7.28E+05	DET	1.67E+03	1.08E+03	4.35E+02	6.73E+02	prob-det
SD	CHANNEL	SWNPDES1	METALS	Manganese	ug/Kg	7.71E+05	DET	1.67E+03	1.08E+03	4.61E+02	7.13E+02	prob-det
SD	CHANNEL	SWNPDES2	METALS	Manganese	ug/Kg	7.93E+05	DET	1.67E+03	1.08E+03	4.74E+02	7.34E+02	prob-det
SD	CHANNEL	SWSW	METALS	Manganese	ug/Kg	8.17E+05	DET	1.67E+03	1.08E+03	4.88E+02	7.56E+02	prob-det
SD	CHANNEL	SWNPDES1	METALS	Manganese	ug/Kg	1.06E+06	DET	1.67E+03	1.08E+03	6.34E+02	9.81E+02	prob-det
SD	CHANNEL	SWNPDES2	METALS	Manganese	ug/Kg	1.12E+06	DET	1.67E+03	1.08E+03	6.69E+02	1.04E+03	prob-det
SD	CHANNEL	SWNPDES2	METALS	Manganese	ug/Kg	1.29E+06	DET	1.67E+03	1.08E+03	7.71E+02	1.19E+03	prob-det
SD	CHANNEL	SWNPDES3	METALS	Manganese	ug/Kg	2.05E+06	DET	1.67E+03	1.08E+03	1.23E+03	1.90E+03	prob-det
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	3.11E+00	ND	1.80E+02	1.06E+03	1.73E-02	2.93E-03	none
SD	CHANNEL	SWSW	METALS	Mercury	ug/Kg	5.38E+00	ND	1.80E+02	1.06E+03	2.99E-02	5.08E-03	none
SD	CHANNEL	SWSW	METALS	Mercury	ug/Kg	6.09E+00	ND	1.80E+02	1.06E+03	3.38E-02	5.75E-03	none
SD	CHANNEL	SD002200	METALS	Mercury	ug/Kg	7.05E+00	ND	1.80E+02	1.06E+03	3.92E-02	6.65E-03	none
SD	CHANNEL	SD002200	METALS	Mercury	ug/Kg	7.60E+00	ND	1.80E+02	1.06E+03	4.22E-02	7.17E-03	none
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	1.28E+01	ND	1.80E+02	1.06E+03	7.12E-02	1.21E-02	none
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/Kg	1.31E+01	ND	1.80E+02	1.06E+03	7.28E-02	1.24E-02	none
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/Kg	1.39E+01	ND	1.80E+02	1.06E+03	7.72E-02	1.31E-02	none
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	1.44E+01	ND	1.80E+02	1.06E+03	8.00E-02	1.36E-02	none
SD	CHANNEL	SWSW	METALS	Mercury	ug/Kg	1.44E+01	ND	1.80E+02	1.06E+03	8.00E-02	1.36E-02	none
SD	CHANNEL	SWSW	METALS	Mercury	ug/Kg	1.60E+01	ND	1.80E+02	1.06E+03	8.89E-02	1.51E-02	none
SD	CHANNEL	SD024	METALS	Mercury	ug/Kg	2.30E+01	DET	1.80E+02	1.06E+03	1.28E-01	2.17E-02	none
SD	CHANNEL	SWSW	METALS	Mercury	ug/Kg	2.50E+01	ND	1.80E+02	1.06E+03	1.39E-01	2.36E-02	none
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	2.77E+01	ND	1.80E+02	1.06E+03	1.54E-01	2.61E-02	none
SD	CHANNEL	SD002200	METALS	Mercury	ug/Kg	2.80E+01	DET	1.80E+02	1.06E+03	1.56E-01	2.64E-02	none
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/Kg	2.88E+01	ND	1.80E+02	1.06E+03	1.60E-01	2.72E-02	none
SD	CHANNEL	SD020	METALS	Mercury	ug/Kg	2.90E+01	DET	1.80E+02	1.06E+03	1.61E-01	2.74E-02	none
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	5.00E+01	ND	1.80E+02	1.06E+03	2.78E-01	4.72E-02	none
SD	CHANNEL	SWSW	METALS	Mercury	ug/Kg	5.00E+01	ND	1.80E+02	1.06E+03	2.78E-01	4.72E-02	none
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/Kg	5.00E+01	ND	1.80E+02	1.06E+03	2.78E-01	4.72E-02	none
SD	CHANNEL	SWSW	METALS	Mercury	ug/Kg	5.00E+01	ND	1.80E+02	1.06E+03	2.78E-01	4.72E-02	none
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/Kg	5.00E+01	ND	1.80E+02	1.06E+03	2.78E-01	4.72E-02	none
SD	CHANNEL	SWSW	METALS	Mercury	ug/Kg	5.00E+01	ND	1.80E+02	1.06E+03	2.78E-01	4.72E-02	none
SD	CHANNEL	SD003	METALS	Mercury	ug/Kg	5.40E+01	ND	1.80E+02	1.06E+03	3.00E-01	5.09E-02	none
SD	CHANNEL	SD002200	METALS	Mercury	ug/Kg	5.90E+01	DET	1.80E+02	1.06E+03	3.28E-01	5.57E-02	none
SD	CHANNEL	SD026	METALS	Mercury	ug/Kg	5.90E+01	DET	1.80E+02	1.06E+03	3.28E-01	5.57E-02	none
SD	CHANNEL	SWNPDES1	METALS	Mercury	ug/Kg	6.00E+01	ND	1.80E+02	1.06E+03	3.33E-01	5.66E-02	none
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	6.90E+01	DET	1.80E+02	1.06E+03	3.83E-01	6.51E-02	none
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	7.00E+01	ND	1.80E+02	1.06E+03	3.89E-01	6.60E-02	none
SD	CHANNEL	SD005	METALS	Mercury	ug/Kg	7.90E+01	ND	1.80E+02	1.06E+03	4.39E-01	7.45E-02	none
SD	CHANNEL	SD004	METALS	Mercury	ug/Kg	8.30E+01	ND	1.80E+02	1.06E+03	4.61E-01	7.83E-02	none
SD	CHANNEL	SWSW	METALS	Mercury	ug/Kg	1.00E+02	ND	1.80E+02	1.06E+03	5.56E-01	9.43E-02	none
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/Kg	1.00E+02	ND	1.80E+02	1.06E+03	5.56E-01	9.43E-02	none
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	1.00E+02	ND	1.80E+02	1.06E+03	5.56E-01	9.43E-02	none
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/KG	1.00E+02	ND	1.80E+02	1.06E+03	5.56E-01	9.43E-02	none
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	1.00E+02	ND	1.80E+02	1.06E+03	5.56E-01	9.43E-02	none
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	1.00E+02	ND	1.80E+02	1.06E+03	5.56E-01	9.43E-02	none
SD	CHANNEL	SWSW	METALS	Mercury	ug/Kg	1.00E+02	ND	1.80E+02	1.06E+03	5.56E-01	9.43E-02	none
SD	CHANNEL	SWNPDES1	METALS	Mercury	ug/KG	1.00E+02	ND	1.80E+02	1.06E+03	5.56E-01	9.43E-02	none
SD	CHANNEL	SWNPDES1	METALS	Mercury	ug/Kg	1.00E+02	ND	1.80E+02	1.06E+03	5.56E-01	9.43E-02	none
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/Kg	1.00E+02	ND	1.80E+02	1.06E+03	5.56E-01	9.43E-02	none
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/KG	1.00E+02	ND	1.80E+02	1.06E+03	5.56E-01	9.43E-02	none
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/Kg	1.30E+02	DET	1.80E+02	1.06E+03	7.22E-01	1.23E-01	none
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	1.40E+02	DET	1.80E+02	1.06E+03	7.78E-01	1.32E-01	none
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/Kg	1.50E+02	DET	1.80E+02	1.06E+03	8.33E-01	1.42E-01	none
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	1.60E+02	DET	1.80E+02	1.06E+03	8.89E-01	1.51E-01	none
SD	CHANNEL	SWSW	METALS	Mercury	ug/Kg	1.80E+02	DET	1.80E+02	1.06E+03	1.00E+00	1.70E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/Kg	2.20E+02	DET	1.80E+02	1.06E+03	1.22E+00	2.08E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/Kg	2.30E+02	DET	1.80E+02	1.06E+03	1.28E+00	2.17E-01	poss-det
SD	CHANNEL	SWNPDES1	METALS	Mercury	ug/Kg	2.30E+02	ND	1.80E+02	1.06E+03	1.28E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES3	METALS	Mercury	ug/Kg	3.30E+02	DET	1.80E+02	1.06E+03	1.83E+00	3.11E-01	poss-det
SD	CHANNEL	SD025	METALS	Mercury	ug/Kg	3.30E+02	DET	1.80E+02	1.06E+03	1.83E+00	3.11E-01	poss-det
SD	CHANNEL	SD022	METALS	Mercury	ug/Kg	4.18E+02	DET	1.80E+02	1.06E+03	2.32E+00	3.94E-01	poss-det
SD	CHANNEL	SD001	METALS	Mercury	ug/Kg	5.11E+02	DET	1.80E+02	1.06E+03	2.84E+00	4.82E-01	poss-det
SD	CHANNEL	SD023	METALS	Mercury	ug/Kg	5.63E+02	DET	1.80E+02	1.06E+03	3.13E+00	5.31E-01	poss-det
SD	CHANNEL	SD023	METALS	Mercury	ug/Kg	6.23E+02	DET	1.80E+02	1.06E+03	3.46E+00	5.88E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Mercury	ug/Kg	7.50E+02	DET	1.80E+02	1.06E+03	4.17E+00	7.08E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	5.10E+03	DET	2.27E+04	4.86E+04	2.25E-01	1.05E-01	none
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	6.20E+03	DET	2.27E+04	4.86E+04	2.73E-01	1.28E-01	none
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	6.30E+03	ND	2.27E+04	4.86E+04	2.78E-01	1.30E-01	none
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	7.00E+03	DET	2.27E+04	4.86E+04	3.08E-01	1.44E-01	none
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/Kg	7.00E+03	DET	2.27E+04	4.86E+04	3.08E-01	1.44E-01	none
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	8.00E+03	DET	2.27E+04	4.86E+04	3.52E-01	1.65E-01	none
SD	CHANNEL	SWNPDES1	METALS	Nickel	ug/Kg	9.00E+03	DET	2.27E+04	4.86E+04	3.96E-01	1.85E-01	none
SD	CHANNEL	SWSW	METALS	Nickel	ug/Kg	9.30E+03	DET	2.27E+04	4.86E+04	4.10E-01	1.91E-01	none
SD	CHANNEL	SWSW	METALS	Nickel	ug/Kg	9.30E+03	DET	2.27E+04	4.86E+04	4.10E-01	1.91E-01	none
SD	CHANNEL	SWNPDES1	METALS	Nickel	ug/Kg	9.40E+03	ND	2.27E+04	4.86E+04	4.14E-01	1.93E-01	none
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/Kg	9.70E+03	ND	2.27E+04	4.86E+04	4.27E-01	2.00E-01	none
SD	CHANNEL	SWNPDES1	METALS	Nickel	ug/Kg	1.00E+04	DET	2.27E+04	4.86E+04	4.41E-01	2.06E-01	none
SD	CHANNEL	SWNPDES1	METALS	Nickel	ug/KG	1.00E+04	DET	2.27E+04	4.86E+04	4.41E-01	2.06E-01	none
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/Kg	1.01E+04	DET	2.27E+04	4.86E+04	4.45E-01	2.08E-01	none
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/KG	1.10E+04	DET	2.27E+04	4.86E+04	4.85E-01	2.26E-01	none
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/Kg	1.25E+04	DET	2.27E+04	4.86E+04	5.51E-01	2.57E-01	none
SD	CHANNEL	SWSW	METALS	Nickel	ug/Kg	1.48E+04	DET	2.27E+04	4.86E+04	6.52E-01	3.05E-01	none
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/Kg	1.50E+04	DET	2.27E+04	4.86E+04	6.61E-01	3.09E-01	none
SD	CHANNEL	SWSW	METALS	Nickel	ug/Kg	1.50E+04	DET	2.27E+04	4.86E+04	6.61E-01	3.09E-01	none
SD	CHANNEL	SWSW	METALS	Nickel	ug/Kg	1.85E+04	DET	2.27E+04	4.86E+04	8.15E-01	3.81E-01	none
SD	CHANNEL	SWSW	METALS	Nickel	ug/Kg	1.86E+04	DET	2.27E+04	4.86E+04	8.19E-01	3.83E-01	none
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	1.99E+04	DET	2.27E+04	4.86E+04	8.77E-01	4.09E-01	none
SD	CHANNEL	SWSW	METALS	Nickel	ug/Kg	2.08E+04	DET	2.27E+04	4.86E+04	9.16E-01	4.28E-01	none
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/Kg	2.13E+04	DET	2.27E+04	4.86E+04	9.38E-01	4.38E-01	none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD002200	METALS	Nickel	ug/Kg	2.23E+04	DET	2.27E+04	4.86E+04	9.82E-01	4.59E-01	none
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/Kg	2.24E+04	DET	2.27E+04	4.86E+04	9.87E-01	4.61E-01	none
SD	CHANNEL	SD002200	METALS	Nickel	ug/Kg	2.46E+04	DET	2.27E+04	4.86E+04	1.08E+00	5.06E-01	poss-det
SD	CHANNEL	SWSW	METALS	Nickel	ug/Kg	2.60E+04	DET	2.27E+04	4.86E+04	1.15E+00	5.35E-01	poss-det
SD	CHANNEL	SWSW	METALS	Nickel	ug/Kg	2.60E+04	DET	2.27E+04	4.86E+04	1.15E+00	5.35E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/Kg	2.60E+04	DET	2.27E+04	4.86E+04	1.15E+00	5.35E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	2.70E+04	DET	2.27E+04	4.86E+04	1.19E+00	5.56E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	3.04E+04	DET	2.27E+04	4.86E+04	1.34E+00	6.26E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/KG	3.30E+04	DET	2.27E+04	4.86E+04	1.45E+00	6.79E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	4.00E+04	ND	2.27E+04	4.86E+04	1.76E+00	8.23E-01	poss-ND
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/Kg	4.00E+04	ND	2.27E+04	4.86E+04	1.76E+00	8.23E-01	poss-ND
SD	CHANNEL	SD002200	METALS	Nickel	ug/Kg	4.19E+04	DET	2.27E+04	4.86E+04	1.85E+00	8.62E-01	poss-det
SD	CHANNEL	SD002200	METALS	Nickel	ug/Kg	5.39E+04	DET	2.27E+04	4.86E+04	2.37E+00	1.11E+00	prob-det
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/Kg	5.40E+04	DET	2.27E+04	4.86E+04	2.38E+00	1.11E+00	prob-det
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/Kg	5.59E+04	DET	2.27E+04	4.86E+04	2.46E+00	1.15E+00	prob-det
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	6.00E+04	DET	2.27E+04	4.86E+04	2.64E+00	1.23E+00	prob-det
SD	CHANNEL	SWNPDES2	METALS	Nickel	ug/Kg	7.96E+04	DET	2.27E+04	4.86E+04	3.51E+00	1.64E+00	prob-det
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	8.00E+04	DET	2.27E+04	4.86E+04	3.52E+00	1.65E+00	prob-det
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	8.98E+04	DET	2.27E+04	4.86E+04	3.96E+00	1.85E+00	prob-det
SD	CHANNEL	SWSW	METALS	Nickel	ug/Kg	9.70E+04	DET	2.27E+04	4.86E+04	4.27E+00	2.00E+00	prob-det
SD	CHANNEL	SWSW	METALS	Nickel	ug/Kg	1.15E+05	DET	2.27E+04	4.86E+04	5.07E+00	2.37E+00	prob-det
SD	CHANNEL	SWNPDES3	METALS	Nickel	ug/Kg	1.99E+05	DET	2.27E+04	4.86E+04	8.77E+00	4.09E+00	prob-det
SD	CHANNEL	SD002200	METALS	Silver	ug/Kg	2.19E+01	ND	5.00E+02		4.38E-02		none
SD	CHANNEL	SD002200	METALS	Silver	ug/Kg	2.78E+01	ND	5.00E+02		5.56E-02		none
SD	CHANNEL	SD002200	METALS	Silver	ug/Kg	3.12E+01	ND	5.00E+02		6.24E-02		none
SD	CHANNEL	SD002200	METALS	Silver	ug/Kg	3.30E+01	ND	5.00E+02		6.60E-02		none
SD	CHANNEL	SWNPDES2	METALS	Silver	ug/Kg	4.65E+01	ND	5.00E+02		9.30E-02		none
SD	CHANNEL	SWNPDES3	METALS	Silver	ug/Kg	4.93E+01	ND	5.00E+02		9.86E-02		none
SD	CHANNEL	SWSW	METALS	Silver	ug/Kg	5.20E+01	ND	5.00E+02		1.04E-01		none
SD	CHANNEL	SWNPDES3	METALS	Silver	ug/Kg	5.80E+01	ND	5.00E+02		1.16E-01		none
SD	CHANNEL	SWNPDES2	METALS	Silver	ug/Kg	5.97E+01	ND	5.00E+02		1.19E-01		none
SD	CHANNEL	SWSW	METALS	Silver	ug/Kg	6.14E+01	ND	5.00E+02		1.23E-01		none
SD	CHANNEL	SWSW	METALS	Silver	ug/Kg	6.15E+01	ND	5.00E+02		1.23E-01		none
SD	CHANNEL	SWNPDES2	METALS	Silver	ug/Kg	6.36E+01	ND	5.00E+02		1.27E-01		none
SD	CHANNEL	SWNPDES3	METALS	Silver	ug/Kg	6.67E+01	ND	5.00E+02		1.33E-01		none
SD	CHANNEL	SWSW	METALS	Silver	ug/Kg	7.27E+01	ND	5.00E+02		1.45E-01		none
SD	CHANNEL	SWNPDES3	METALS	Silver	ug/Kg	7.69E+01	ND	5.00E+02		1.54E-01		none
SD	CHANNEL	SWNPDES2	METALS	Silver	ug/Kg	8.00E+01	ND	5.00E+02		1.60E-01		none
SD	CHANNEL	SD003	METALS	Silver	ug/Kg	7.24E+02	ND	5.00E+02		1.45E+00		poss-ND
SD	CHANNEL	SD024	METALS	Silver	ug/Kg	1.01E+03	ND	5.00E+02		2.02E+00		poss-ND
SD	CHANNEL	SD026	METALS	Silver	ug/Kg	1.02E+03	ND	5.00E+02		2.04E+00		poss-ND
SD	CHANNEL	SD005	METALS	Silver	ug/Kg	1.06E+03	ND	5.00E+02		2.12E+00		poss-ND
SD	CHANNEL	SD025	METALS	Silver	ug/Kg	1.10E+03	ND	5.00E+02		2.20E+00		poss-ND
SD	CHANNEL	SD004	METALS	Silver	ug/Kg	1.14E+03	ND	5.00E+02		2.28E+00		poss-ND
SD	CHANNEL	SD020	METALS	Silver	ug/Kg	1.46E+03	ND	5.00E+02		2.92E+00		poss-ND
SD	CHANNEL	SWNPDES3	METALS	Silver	ug/Kg	1.60E+03	ND	5.00E+02		3.20E+00		poss-ND
SD	CHANNEL	SD001	METALS	Silver	ug/Kg	2.08E+03	ND	5.00E+02		4.16E+00		poss-ND
SD	CHANNEL	SWNPDES1	METALS	Silver	ug/Kg	2.30E+03	ND	5.00E+02		4.60E+00		poss-ND
SD	CHANNEL	SWNPDES2	METALS	Silver	ug/Kg	2.40E+03	ND	5.00E+02		4.80E+00		poss-ND
SD	CHANNEL	SD022	METALS	Silver	ug/Kg	2.74E+03	ND	5.00E+02		5.48E+00		poss-ND
SD	CHANNEL	SD023	METALS	Silver	ug/Kg	3.79E+03	ND	5.00E+02		7.58E+00		poss-ND
SD	CHANNEL	SD023	METALS	Silver	ug/Kg	4.42E+03	ND	5.00E+02		8.84E+00		poss-ND
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	3.20E+03	ND	1.21E+05	4.59E+05	2.64E-02	6.97E-03	none
SD	CHANNEL	SWNPDES1	METALS	Zinc	ug/Kg	4.70E+03	ND	1.21E+05	4.59E+05	3.88E-02	1.02E-02	none
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/Kg	4.90E+03	DET	1.21E+05	4.59E+05	4.05E-02	1.07E-02	none
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	1.91E+04	DET	1.21E+05	4.59E+05	1.58E-01	4.16E-02	none
SD	CHANNEL	SWNPDES1	METALS	Zinc	ug/KG	2.00E+04	DET	1.21E+05	4.59E+05	1.65E-01	4.36E-02	none
SD	CHANNEL	SWSW	METALS	Zinc	ug/Kg	3.21E+04	DET	1.21E+05	4.59E+05	2.65E-01	6.99E-02	none
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	3.22E+04	DET	1.21E+05	4.59E+05	2.66E-01	7.02E-02	none
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	3.22E+04	DET	1.21E+05	4.59E+05	2.66E-01	7.02E-02	none
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	3.71E+04	DET	1.21E+05	4.59E+05	3.07E-01	8.08E-02	none
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/Kg	3.81E+04	DET	1.21E+05	4.59E+05	3.15E-01	8.30E-02	none
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	3.92E+04	DET	1.21E+05	4.59E+05	3.24E-01	8.54E-02	none
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/Kg	3.97E+04	DET	1.21E+05	4.59E+05	3.28E-01	8.65E-02	none
SD	CHANNEL	SWSW	METALS	Zinc	ug/Kg	4.95E+04	DET	1.21E+05	4.59E+05	4.09E-01	1.08E-01	none
SD	CHANNEL	SWSW	METALS	Zinc	ug/Kg	5.55E+04	DET	1.21E+05	4.59E+05	4.59E-01	1.21E-01	none
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/Kg	5.59E+04	DET	1.21E+05	4.59E+05	4.62E-01	1.22E-01	none
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	5.60E+04	DET	1.21E+05	4.59E+05	4.63E-01	1.22E-01	none
SD	CHANNEL	SWSW	METALS	Zinc	ug/Kg	5.77E+04	DET	1.21E+05	4.59E+05	4.77E-01	1.26E-01	none
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/Kg	6.28E+04	DET	1.21E+05	4.59E+05	5.19E-01	1.37E-01	none
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/Kg	6.34E+04	DET	1.21E+05	4.59E+05	5.24E-01	1.38E-01	none
SD	CHANNEL	SWSW	METALS	Zinc	ug/Kg	7.07E+04	DET	1.21E+05	4.59E+05	5.84E-01	1.54E-01	none
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/KG	7.20E+04	DET	1.21E+05	4.59E+05	5.95E-01	1.57E-01	none
SD	CHANNEL	SWNPDES1	METALS	Zinc	ug/Kg	7.21E+04	DET	1.21E+05	4.59E+05	5.96E-01	1.57E-01	none
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	8.10E+04	DET	1.21E+05	4.59E+05	6.69E-01	1.76E-01	none
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/Kg	8.23E+04	DET	1.21E+05	4.59E+05	6.80E-01	1.79E-01	none
SD	CHANNEL	SD002200	METALS	Zinc	ug/Kg	8.27E+04	DET	1.21E+05	4.59E+05	6.83E-01	1.80E-01	none
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	8.30E+04	DET	1.21E+05	4.59E+05	6.86E-01	1.81E-01	none
SD	CHANNEL	SWSW	METALS	Zinc	ug/Kg	8.37E+04	DET	1.21E+05	4.59E+05	6.92E-01	1.82E-01	none
SD	CHANNEL	SWSW	METALS	Zinc	ug/Kg	8.46E+04	DET	1.21E+05	4.59E+05	6.99E-01	1.84E-01	none
SD	CHANNEL	SD002200	METALS	Zinc	ug/Kg	8.67E+04	DET	1.21E+05	4.59E+05	7.17E-01	1.89E-01	none
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/Kg	8.86E+04	DET	1.21E+05	4.59E+05	7.32E-01	1.93E-01	none
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/Kg	9.10E+04	DET	1.21E+05	4.59E+05	7.52E-01	1.98E-01	none
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/KG	9.20E+04	DET	1.21E+05	4.59E+05	7.60E-01	2.00E-01	none
SD	CHANNEL	SWNPDES1	METALS	Zinc	ug/Kg	9.20E+04	DET	1.21E+05	4.59E+05	7.60E-01	2.00E-01	none
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/Kg	9.70E+04	DET	1.21E+05	4.59E+05	8.02E-01	2.11E-01	none
SD	CHANNEL	SD002200	METALS	Zinc	ug/Kg	1.10E+05	DET	1.21E+05	4.59E+05	9.09E-01	2.40E-01	none
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	1.16E+05	DET	1.21E+05	4.59E+05	9.59E-01	2.53E-01	none
SD	CHANNEL	SWSW	METALS	Zinc	ug/Kg	1.19E+05	DET	1.21E+05	4.59E+05	9.83E-01	2.59E-01	none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	METALS	Zinc	ug/Kg	1.23E+05	DET	1.21E+05	4.59E+05	1.02E+00	2.68E-01	poss-det
SD	CHANNEL	SD002200	METALS	Zinc	ug/Kg	1.24E+05	DET	1.21E+05	4.59E+05	1.02E+00	2.70E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	1.30E+05	DET	1.21E+05	4.59E+05	1.07E+00	2.83E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/Kg	1.37E+05	DET	1.21E+05	4.59E+05	1.13E+00	2.98E-01	poss-det
SD	CHANNEL	SWSW	METALS	Zinc	ug/Kg	2.06E+05	DET	1.21E+05	4.59E+05	1.70E+00	4.49E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	2.18E+05	DET	1.21E+05	4.59E+05	1.80E+00	4.75E-01	poss-det
SD	CHANNEL	SWNPDES3	METALS	Zinc	ug/Kg	2.50E+05	DET	1.21E+05	4.59E+05	2.07E+00	5.45E-01	poss-det
SD	CHANNEL	SWNPDES2	METALS	Zinc	ug/Kg	3.00E+05	DET	1.21E+05	4.59E+05	2.48E+00	6.54E-01	poss-det
SD	CHANNEL	SWSW	METALS	Zinc	ug/Kg	4.21E+05	DET	1.21E+05	4.59E+05	3.48E+00	9.17E-01	poss-det
SD	CHANNEL	SD002200	PCB	Aroclor-1016	ug/kg	6.86E+00	ND	5.98E+01	6.76E+02	1.15E-01	1.01E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1016	ug/kg	6.86E+00	ND	5.98E+01	6.76E+02	1.15E-01	1.01E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1016	ug/kg	6.86E+00	ND	5.98E+01	6.76E+02	1.15E-01	1.01E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1016	ug/kg	6.86E+00	ND	5.98E+01	6.76E+02	1.15E-01	1.01E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1016	ug/kg	6.86E+00	ND	5.98E+01	6.76E+02	1.15E-01	1.01E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1016	ug/kg	6.86E+00	ND	5.98E+01	6.76E+02	1.15E-01	1.01E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1016	ug/kg	6.86E+00	ND	5.98E+01	6.76E+02	1.15E-01	1.01E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1016	UG/KG	1.30E+01	ND	5.98E+01	6.76E+02	2.17E-01	1.92E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1016	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1016	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1016	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1016	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1016	UG/KG	1.90E+01	ND	5.98E+01	6.76E+02	3.18E-01	2.81E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1016	ug/kg	1.90E+01	ND	5.98E+01	6.76E+02	3.18E-01	2.82E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1016	ug/kg	1.90E+01	ND	5.98E+01	6.76E+02	3.18E-01	2.82E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1016	ug/kg	1.90E+01	ND	5.98E+01	6.76E+02	3.18E-01	2.82E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1016	UG/KG	2.00E+01	ND	5.98E+01	6.76E+02	3.34E-01	2.96E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1016	ug/Kg	4.40E+01	ND	5.98E+01	6.76E+02	7.36E-01	6.51E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1016	ug/Kg	4.80E+01	ND	5.98E+01	6.76E+02	8.03E-01	7.10E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1221	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1221	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1221	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1221	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1221	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1221	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1221	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1221	UG/KG	1.30E+01	ND	5.98E+01	6.76E+02	2.17E-01	1.92E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1221	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1221	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1221	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1221	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1221	UG/KG	1.90E+01	ND	5.98E+01	6.76E+02	3.18E-01	2.81E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1221	UG/KG	2.00E+01	ND	5.98E+01	6.76E+02	3.34E-01	2.96E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1221	UG/KG	2.20E+01	ND	5.98E+01	6.76E+02	3.68E-01	3.25E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1221	ug/kg	2.23E+01	ND	5.98E+01	6.76E+02	3.73E-01	3.30E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1221	ug/kg	2.23E+01	ND	5.98E+01	6.76E+02	3.73E-01	3.30E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1221	ug/kg	2.23E+01	ND	5.98E+01	6.76E+02	3.73E-01	3.30E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1232	ug/kg	7.40E+00	ND	5.98E+01	6.76E+02	1.24E-01	1.09E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1232	ug/kg	7.40E+00	ND	5.98E+01	6.76E+02	1.24E-01	1.09E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1232	ug/kg	7.40E+00	ND	5.98E+01	6.76E+02	1.24E-01	1.09E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1232	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1232	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1232	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1232	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1232	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1232	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1232	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1232	UG/KG	1.30E+01	ND	5.98E+01	6.76E+02	2.17E-01	1.92E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1232	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1232	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1232	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1232	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1232	UG/KG	1.90E+01	ND	5.98E+01	6.76E+02	3.18E-01	2.81E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1232	UG/KG	2.00E+01	ND	5.98E+01	6.76E+02	3.34E-01	2.96E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1232	UG/KG	2.20E+01	ND	5.98E+01	6.76E+02	3.68E-01	3.25E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1242	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1242	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1242	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1242	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1242	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1242	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1242	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1242	ug/kg	8.99E+00	ND	5.98E+01	6.76E+02	1.50E-01	1.33E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1242	ug/kg	8.99E+00	ND	5.98E+01	6.76E+02	1.50E-01	1.33E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1242	ug/kg	8.99E+00	ND	5.98E+01	6.76E+02	1.50E-01	1.33E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1242	UG/KG	1.30E+01	ND	5.98E+01	6.76E+02	2.17E-01	1.92E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1242	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1242	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1242	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1242	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1242	UG/KG	1.90E+01	ND	5.98E+01	6.76E+02	3.18E-01	2.81E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1242	UG/KG	2.00E+01	ND	5.98E+01	6.76E+02	3.34E-01	2.96E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1242	UG/KG	2.20E+01	ND	5.98E+01	6.76E+02	3.68E-01	3.25E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1242	ug/Kg	4.40E+01	ND	5.98E+01	6.76E+02	7.36E-01	6.51E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1242	ug/Kg	4.80E+01	ND	5.98E+01	6.76E+02	8.03E-01	7.10E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1248	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1248	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1248	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1248	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1248	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD002200	PCB	Aroclor-1248	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1248	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1248	ug/kg	8.99E+00	ND	5.98E+01	6.76E+02	1.50E-01	1.33E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1248	ug/kg	8.99E+00	ND	5.98E+01	6.76E+02	1.50E-01	1.33E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1248	ug/kg	8.99E+00	ND	5.98E+01	6.76E+02	1.50E-01	1.33E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1248	UG/KG	1.30E+01	ND	5.98E+01	6.76E+02	2.17E-01	1.92E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1248	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1248	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1248	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1248	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1248	UG/KG	2.80E+01	DET	5.98E+01	6.76E+02	4.68E-01	4.14E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1248	ug/Kg	4.40E+01	ND	5.98E+01	6.76E+02	7.36E-01	6.51E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1248	ug/Kg	4.80E+01	ND	5.98E+01	6.76E+02	8.03E-01	7.10E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1248	UG/KG	1.00E+02	DET	5.98E+01	6.76E+02	1.67E+00	1.48E-01	poss-det
SD	CHANNEL	SWSW	PCB	Aroclor-1248	UG/KG	2.00E+02	DET	5.98E+01	6.76E+02	3.34E+00	2.96E-01	poss-det
SD	CHANNEL	SD002200	PCB	Aroclor-1254	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1254	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1254	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1254	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1254	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1254	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1254	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1254	UG/KG	1.30E+01	ND	5.98E+01	6.76E+02	2.17E-01	1.92E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1254	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1254	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1254	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1254	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1254	UG/KG	1.90E+01	ND	5.98E+01	6.76E+02	3.18E-01	2.81E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1254	UG/KG	2.00E+01	ND	5.98E+01	6.76E+02	3.34E-01	2.96E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1254	ug/kg	2.15E+01	ND	5.98E+01	6.76E+02	3.60E-01	3.19E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1254	ug/kg	2.15E+01	ND	5.98E+01	6.76E+02	3.60E-01	3.19E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1254	ug/kg	2.15E+01	ND	5.98E+01	6.76E+02	3.60E-01	3.19E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1254	UG/KG	2.20E+01	ND	5.98E+01	6.76E+02	3.68E-01	3.25E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1254	ug/Kg	4.40E+01	ND	5.98E+01	6.76E+02	7.36E-01	6.51E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1254	ug/Kg	4.80E+01	ND	5.98E+01	6.76E+02	8.03E-01	7.10E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1260	ug/kg	1.00E+01	ND	5.98E+01	6.76E+02	1.68E-01	1.48E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1260	ug/kg	1.00E+01	ND	5.98E+01	6.76E+02	1.68E-01	1.48E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1260	ug/kg	1.00E+01	ND	5.98E+01	6.76E+02	1.68E-01	1.48E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1260	ug/kg	1.00E+01	ND	5.98E+01	6.76E+02	1.68E-01	1.48E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1260	ug/kg	1.00E+01	ND	5.98E+01	6.76E+02	1.68E-01	1.48E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1260	ug/kg	1.00E+01	ND	5.98E+01	6.76E+02	1.68E-01	1.48E-02	none
SD	CHANNEL	SD002200	PCB	Aroclor-1260	ug/kg	1.00E+01	ND	5.98E+01	6.76E+02	1.68E-01	1.48E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1260	ug/kg	1.09E+01	ND	5.98E+01	6.76E+02	1.82E-01	1.61E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1260	ug/kg	1.09E+01	ND	5.98E+01	6.76E+02	1.82E-01	1.61E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1260	ug/kg	1.09E+01	ND	5.98E+01	6.76E+02	1.82E-01	1.61E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1260	UG/KG	1.60E+01	DET	5.98E+01	6.76E+02	2.68E-01	2.37E-02	none
SD	CHANNEL	SWSW	PCB	Aroclor-1260	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1260	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1260	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1260	ug/Kg	1.70E+01	ND	5.98E+01	6.76E+02	2.84E-01	2.51E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1260	UG/KG	1.90E+01	ND	5.98E+01	6.76E+02	3.18E-01	2.81E-02	none
SD	CHANNEL	SWNPDES2	PCB	Aroclor-1260	UG/KG	2.00E+01	ND	5.98E+01	6.76E+02	3.34E-01	2.96E-02	none
SD	CHANNEL	SWNPDES1	PCB	Aroclor-1260	ug/Kg	4.40E+01	ND	5.98E+01	6.76E+02	7.36E-01	6.51E-02	none
SD	CHANNEL	SWNPDES3	PCB	Aroclor-1260	ug/Kg	4.80E+01	ND	5.98E+01	6.76E+02	8.03E-01	7.10E-02	none
SD	CHANNEL	SWNPDES3	SVOA	1,2,3-Trichlorobenzene	ug/kg	7.20E+00	ND	9.20E+03		7.83E-04		none
SD	CHANNEL	SWNPDES1	SVOA	1,2,3-Trichlorobenzene	ug/kg	8.90E+00	ND	9.20E+03		9.67E-04		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.20E+00	ND	9.20E+03		7.83E-04		none
SD	CHANNEL	SWNPDES1	SVOA	1,2,4-Trichlorobenzene	ug/kg	8.90E+00	ND	9.20E+03		9.67E-04		none
SD	CHANNEL	SD002200	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SD002200	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SD002200	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SD002200	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	CHANNEL	SWNPDES1	SVOA	1,2,4-Trichlorobenzene	ug/Kg	9.30E+01	ND	9.20E+03		1.01E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/Kg	9.90E+01	ND	9.20E+03		1.08E-02		none
SD	CHANNEL	SD003	SVOA	1,2,4-Trichlorobenzene	UG/KG	1.50E+02	ND	9.20E+03		1.63E-02		none
SD	CHANNEL	SD001	SVOA	1,2,4-Trichlorobenzene	UG/KG	1.60E+02	ND	9.20E+03		1.74E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/kg	1.85E+02	ND	9.20E+03		2.01E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/kg	1.85E+02	ND	9.20E+03		2.01E-02		none
SD	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/kg	1.85E+02	ND	9.20E+03		2.01E-02		none
SD	CHANNEL	SD003	SVOA	1,2,4-Trichlorobenzene	UG/KG	1.90E+02	ND	9.20E+03		2.07E-02		none
SD	CHANNEL	SD005	SVOA	1,2,4-Trichlorobenzene	UG/KG	2.20E+02	ND	9.20E+03		2.39E-02		none
SD	CHANNEL	SD004	SVOA	1,2,4-Trichlorobenzene	UG/KG	2.30E+02	ND	9.20E+03		2.50E-02		none
SD	CHANNEL	SD005	SVOA	1,2,4-Trichlorobenzene	UG/KG	2.50E+02	ND	9.20E+03		2.72E-02		none
SD	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/Kg	3.30E+02	ND	9.20E+03		3.59E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/Kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/Kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/Kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/Kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/Kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWNPDES1	SVOA	1,2,4-Trichlorobenzene	ug/Kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/Kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/kg	3.30E+02	ND	9.20E+03		3.59E-02		none
SD	CHANNEL	SD004	SVOA	1,2,4-Trichlorobenzene	UG/KG	3.70E+02	ND	9.20E+03		4.02E-02		none
SD	CHANNEL	SWNPDES1	SVOA	1,2,4-Trichlorobenzene	ug/Kg	4.60E+02	ND	9.20E+03		5.00E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	UG/KG	5.20E+02	ND	9.20E+03		5.65E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,2,4-Trichlorobenzene	ug/Kg	6.90E+02	ND	9.20E+03		7.50E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	ug/Kg	7.60E+02	ND	9.20E+03		8.26E-02		none
SD	CHANNEL	SWNPDES1	SVOA	1,2,4-Trichlorobenzene	UG/KG	7.70E+02	ND	9.20E+03		8.37E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,2,4-Trichlorobenzene	UG/KG	8.00E+02	ND	9.20E+03		8.70E-02		none
SD	CHANNEL	SWSW	SVOA	1,2,4-Trichlorobenzene	ug/Kg	9.00E+02	ND	9.20E+03		9.78E-02		none
SD	CHANNEL	SD001	SVOA	1,2,4-Trichlorobenzene	UG/KG	2.10E+03	ND	9.20E+03		2.28E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/kg	1.40E+00	ND	3.40E+02		4.12E-03		none
SD	CHANNEL	SWNPDES1	SVOA	1,2-Dichlorobenzene	ug/kg	1.80E+00	ND	3.40E+02		5.29E-03		none
SD	CHANNEL	SD002200	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SD002200	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SD002200	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SD002200	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	CHANNEL	SWNPDES1	SVOA	1,2-Dichlorobenzene	ug/Kg	9.30E+01	ND	3.40E+02		2.74E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/Kg	9.90E+01	ND	3.40E+02		2.91E-01		none
SD	CHANNEL	SD001	SVOA	1,2-Dichlorobenzene	UG/KG	1.10E+02	ND	3.40E+02		3.24E-01		none
SD	CHANNEL	SD003	SVOA	1,2-Dichlorobenzene	UG/KG	1.20E+02	ND	3.40E+02		3.53E-01		none
SD	CHANNEL	SD003	SVOA	1,2-Dichlorobenzene	UG/KG	1.40E+02	ND	3.40E+02		4.12E-01		none
SD	CHANNEL	SD005	SVOA	1,2-Dichlorobenzene	UG/KG	1.70E+02	ND	3.40E+02		5.00E-01		none
SD	CHANNEL	SD005	SVOA	1,2-Dichlorobenzene	UG/KG	1.80E+02	ND	3.40E+02		5.29E-01		none
SD	CHANNEL	SD004	SVOA	1,2-Dichlorobenzene	UG/KG	1.90E+02	ND	3.40E+02		5.59E-01		none
SD	CHANNEL	SD004	SVOA	1,2-Dichlorobenzene	UG/KG	2.60E+02	ND	3.40E+02		7.65E-01		none
SD	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES1	SVOA	1,2-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.40E+02		9.71E-01		none
SD	CHANNEL	SWNPDES1	SVOA	1,2-Dichlorobenzene	ug/Kg	4.60E+02	ND	3.40E+02		1.35E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	UG/KG	5.20E+02	ND	3.40E+02		1.53E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	1,2-Dichlorobenzene	ug/Kg	6.90E+02	ND	3.40E+02		2.03E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	ug/Kg	7.60E+02	ND	3.40E+02		2.24E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	1,2-Dichlorobenzene	UG/KG	7.70E+02	ND	3.40E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	1,2-Dichlorobenzene	UG/KG	8.00E+02	ND	3.40E+02		2.35E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	UG/KG	8.70E+02	ND	3.40E+02		2.56E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	1,2-Dichlorobenzene	ug/Kg	9.00E+02	ND	3.40E+02		2.65E+00		poss-ND
SD	CHANNEL	SD001	SVOA	1,2-Dichlorobenzene	UG/KG	1.70E+03	ND	3.40E+02		5.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/kg	1.40E+00	ND	1.70E+03		8.24E-04		none
SD	CHANNEL	SWNPDES1	SVOA	1,3-Dichlorobenzene	ug/kg	1.80E+00	ND	1.70E+03		1.06E-03		none
SD	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SD002200	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SD002200	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SD002200	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SD002200	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	CHANNEL	SWNPDES1	SVOA	1,3-Dichlorobenzene	ug/Kg	9.30E+01	ND	1.70E+03		5.47E-02		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/Kg	9.90E+01	ND	1.70E+03		5.82E-02		none
SD	CHANNEL	SD001	SVOA	1,3-Dichlorobenzene	UG/KG	1.10E+02	ND	1.70E+03		6.47E-02		none
SD	CHANNEL	SD003	SVOA	1,3-Dichlorobenzene	UG/KG	1.20E+02	ND	1.70E+03		7.06E-02		none
SD	CHANNEL	SD003	SVOA	1,3-Dichlorobenzene	UG/KG	1.40E+02	ND	1.70E+03		8.24E-02		none
SD	CHANNEL	SD005	SVOA	1,3-Dichlorobenzene	UG/KG	1.70E+02	ND	1.70E+03		1.00E-01		none
SD	CHANNEL	SD005	SVOA	1,3-Dichlorobenzene	UG/KG	1.80E+02	ND	1.70E+03		1.06E-01		none
SD	CHANNEL	SD004	SVOA	1,3-Dichlorobenzene	UG/KG	1.90E+02	ND	1.70E+03		1.12E-01		none
SD	CHANNEL	SD004	SVOA	1,3-Dichlorobenzene	UG/KG	2.60E+02	ND	1.70E+03		1.53E-01		none
SD	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/Kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/Kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/Kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/Kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/Kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/Kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES1	SVOA	1,3-Dichlorobenzene	ug/Kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/Kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/kg	3.30E+02	ND	1.70E+03		1.94E-01		none
SD	CHANNEL	SWNPDES1	SVOA	1,3-Dichlorobenzene	ug/Kg	4.60E+02	ND	1.70E+03		2.71E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	UG/KG	5.20E+02	ND	1.70E+03		3.06E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,3-Dichlorobenzene	ug/Kg	6.90E+02	ND	1.70E+03		4.06E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	ug/Kg	7.60E+02	ND	1.70E+03		4.47E-01		none
SD	CHANNEL	SWNPDES1	SVOA	1,3-Dichlorobenzene	UG/KG	7.70E+02	ND	1.70E+03		4.53E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,3-Dichlorobenzene	UG/KG	8.00E+02	ND	1.70E+03		4.71E-01		none
SD	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	UG/KG	8.70E+02	ND	1.70E+03		5.12E-01		none
SD	CHANNEL	SWSW	SVOA	1,3-Dichlorobenzene	ug/Kg	9.00E+02	ND	1.70E+03		5.29E-01		none
SD	CHANNEL	SD001	SVOA	1,3-Dichlorobenzene	UG/KG	1.70E+03	ND	1.70E+03		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/kg	1.40E+00	ND	3.50E+02		4.00E-03		none
SD	CHANNEL	SWNPDES1	SVOA	1,4-Dichlorobenzene	ug/kg	1.80E+00	ND	3.50E+02		5.14E-03		none
SD	CHANNEL	SD002200	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SD002200	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SD002200	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SD002200	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	CHANNEL	SWNPDES1	SVOA	1,4-Dichlorobenzene	ug/Kg	9.30E+01	ND	3.50E+02		2.66E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/Kg	9.90E+01	ND	3.50E+02		2.83E-01		none
SD	CHANNEL	SD001	SVOA	1,4-Dichlorobenzene	UG/KG	1.10E+02	ND	3.50E+02		3.14E-01		none
SD	CHANNEL	SD003	SVOA	1,4-Dichlorobenzene	UG/KG	1.20E+02	ND	3.50E+02		3.43E-01		none
SD	CHANNEL	SD003	SVOA	1,4-Dichlorobenzene	UG/KG	1.40E+02	ND	3.50E+02		4.00E-01		none
SD	CHANNEL	SD005	SVOA	1,4-Dichlorobenzene	UG/KG	1.70E+02	ND	3.50E+02		4.86E-01		none
SD	CHANNEL	SD005	SVOA	1,4-Dichlorobenzene	UG/KG	1.80E+02	ND	3.50E+02		5.14E-01		none
SD	CHANNEL	SD004	SVOA	1,4-Dichlorobenzene	UG/KG	1.90E+02	ND	3.50E+02		5.43E-01		none
SD	CHANNEL	SD004	SVOA	1,4-Dichlorobenzene	UG/KG	2.60E+02	ND	3.50E+02		7.43E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWNPDES1	SVOA	1,4-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/Kg	3.30E+02	ND	3.50E+02		9.43E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/kg	3.30E+02	ND	3.50E+02		9.43E-01		none
SD	CHANNEL	SWNPDES1	SVOA	1,4-Dichlorobenzene	ug/Kg	4.60E+02	ND	3.50E+02		1.31E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	UG/KG	5.20E+02	ND	3.50E+02		1.49E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	1,4-Dichlorobenzene	ug/Kg	6.90E+02	ND	3.50E+02		1.97E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	ug/Kg	7.60E+02	ND	3.50E+02		2.17E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	1,4-Dichlorobenzene	UG/KG	7.70E+02	ND	3.50E+02		2.20E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	1,4-Dichlorobenzene	UG/KG	8.00E+02	ND	3.50E+02		2.29E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	1,4-Dichlorobenzene	ug/Kg	9.00E+02	ND	3.50E+02		2.57E+00		poss-ND
SD	CHANNEL	SD001	SVOA	1,4-Dichlorobenzene	UG/KG	1.70E+03	ND	3.50E+02		4.86E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/kg	4.83E+01	ND	2.08E+02		2.32E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/kg	4.83E+01	ND	2.08E+02		2.32E-01		none
SD	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/kg	4.83E+01	ND	2.08E+02		2.32E-01		none
SD	CHANNEL	SD002200	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SD002200	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SD002200	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SD002200	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4,5-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4,5-Trichlorophenol	ug/Kg	4.60E+02	ND	2.08E+02		2.21E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4,5-Trichlorophenol	ug/Kg	4.70E+02	ND	2.08E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/Kg	4.90E+02	ND	2.08E+02		2.36E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	ug/Kg	6.90E+02	ND	2.08E+02		3.32E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	ug/Kg	7.60E+02	ND	2.08E+02		3.65E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	ug/Kg	9.00E+02	ND	2.08E+02		4.33E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,5-Trichlorophenol	UG/KG	2.50E+03	ND	2.08E+02		1.20E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4,5-Trichlorophenol	UG/KG	3.80E+03	ND	2.08E+02		1.83E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,5-Trichlorophenol	UG/KG	3.90E+03	ND	2.08E+02		1.88E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,5-Trichlorophenol	UG/KG	4.20E+03	ND	2.08E+02		2.02E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/kg	3.97E+01	ND	2.08E+02		1.91E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/kg	3.97E+01	ND	2.08E+02		1.91E-01		none
SD	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/kg	3.97E+01	ND	2.08E+02		1.91E-01		none
SD	CHANNEL	SD002200	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SD002200	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SD002200	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SD002200	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES1	SVOA	2,4,6-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/Kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/kg	3.30E+02	ND	2.08E+02		1.59E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4,6-Trichlorophenol	ug/Kg	4.60E+02	ND	2.08E+02		2.21E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4,6-Trichlorophenol	ug/Kg	4.70E+02	ND	2.08E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/Kg	4.90E+02	ND	2.08E+02		2.36E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/kg	5.10E+02	DET	2.08E+02		2.45E+00		poss-det
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	UG/KG	5.20E+02	ND	2.08E+02		2.50E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4,6-Trichlorophenol	ug/Kg	6.90E+02	ND	2.08E+02		3.32E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	ug/Kg	7.60E+02	ND	2.08E+02		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4,6-Trichlorophenol	UG/KG	7.70E+02	ND	2.08E+02		3.70E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4,6-Trichlorophenol	UG/KG	8.00E+02	ND	2.08E+02		3.85E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	UG/KG	8.70E+02	ND	2.08E+02		4.18E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4,6-Trichlorophenol	ug/Kg	9.00E+02	ND	2.08E+02		4.33E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/kg	5.17E+01	ND	8.17E+01		6.33E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/kg	5.17E+01	ND	8.17E+01		6.33E-01		none
SD	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/kg	5.17E+01	ND	8.17E+01		6.33E-01		none
SD	CHANNEL	SD002200	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SD002200	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SD002200	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SD002200	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dichlorophenol	ug/Kg	2.80E+02	ND	8.17E+01		3.43E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/Kg	3.00E+02	ND	8.17E+01		3.67E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/Kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/Kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/Kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/Kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/Kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/Kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dichlorophenol	ug/kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/Kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/kg	3.30E+02	ND	8.17E+01		4.04E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dichlorophenol	ug/Kg	4.60E+02	ND	8.17E+01		5.63E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	UG/KG	5.20E+02	ND	8.17E+01		6.36E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dichlorophenol	ug/Kg	6.90E+02	ND	8.17E+01		8.45E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	ug/Kg	7.60E+02	ND	8.17E+01		9.30E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dichlorophenol	UG/KG	7.70E+02	ND	8.17E+01		9.42E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dichlorophenol	UG/KG	8.00E+02	ND	8.17E+01		9.79E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	UG/KG	8.70E+02	ND	8.17E+01		1.06E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dichlorophenol	ug/Kg	9.00E+02	ND	8.17E+01		1.10E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/kg	8.83E+01	ND	3.04E+02		2.90E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/kg	8.83E+01	ND	3.04E+02		2.90E-01		none
SD	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/kg	8.83E+01	ND	3.04E+02		2.90E-01		none
SD	CHANNEL	SD002200	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SD002200	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SD002200	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SD002200	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dimethylphenol	ug/Kg	2.80E+02	ND	3.04E+02		9.21E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/Kg	3.00E+02	ND	3.04E+02		9.87E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/Kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/Kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/Kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/Kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/Kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/Kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/Kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dimethylphenol	ug/Kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/Kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/kg	3.30E+02	ND	3.04E+02		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dimethylphenol	ug/Kg	4.60E+02	ND	3.04E+02		1.51E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	UG/KG	5.20E+02	ND	3.04E+02		1.71E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dimethylphenol	ug/Kg	6.90E+02	ND	3.04E+02		2.27E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	ug/Kg	7.60E+02	ND	3.04E+02		2.50E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dimethylphenol	UG/KG	7.70E+02	ND	3.04E+02		2.53E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dimethylphenol	UG/KG	8.00E+02	ND	3.04E+02		2.63E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	UG/KG	8.70E+02	ND	3.04E+02		2.86E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dimethylphenol	ug/Kg	9.00E+02	ND	3.04E+02		2.96E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/kg	5.94E+01	ND	6.21E+00		9.57E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/kg	5.94E+01	ND	6.21E+00		9.57E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/kg	5.94E+01	ND	6.21E+00		9.57E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrophenol	ug/Kg	9.30E+02	ND	6.21E+00		1.50E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/Kg	9.90E+02	ND	6.21E+00		1.59E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/kg	1.60E+03	ND	6.21E+00		2.58E+02		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/kg	1.60E+03	ND	6.21E+00		2.58E+02		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/kg	1.60E+03	ND	6.21E+00		2.58E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/kg	1.60E+03	ND	6.21E+00		2.58E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/kg	1.60E+03	ND	6.21E+00		2.58E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/kg	1.60E+03	ND	6.21E+00		2.58E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/kg	1.60E+03	ND	6.21E+00		2.58E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/kg	1.60E+03	ND	6.21E+00		2.58E+02		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/kg	1.60E+03	ND	6.21E+00		2.58E+02		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/Kg	1.65E+03	ND	6.21E+00		2.66E+02		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/Kg	1.65E+03	ND	6.21E+00		2.66E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/Kg	1.65E+03	ND	6.21E+00		2.66E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/Kg	1.65E+03	ND	6.21E+00		2.66E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/Kg	1.65E+03	ND	6.21E+00		2.66E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/Kg	1.65E+03	ND	6.21E+00		2.66E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/Kg	1.65E+03	ND	6.21E+00		2.66E+02		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrophenol	ug/Kg	1.65E+03	ND	6.21E+00		2.66E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/Kg	1.65E+03	ND	6.21E+00		2.66E+02		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrophenol	ug/Kg	2.31E+03	ND	6.21E+00		3.72E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	UG/KG	2.50E+03	ND	6.21E+00		4.03E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrophenol	ug/Kg	3.45E+03	ND	6.21E+00		5.56E+02		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrophenol	UG/KG	3.80E+03	ND	6.21E+00		6.12E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	ug/Kg	3.81E+03	ND	6.21E+00		6.14E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrophenol	UG/KG	3.90E+03	ND	6.21E+00		6.28E+02		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	UG/KG	4.20E+03	ND	6.21E+00		6.76E+02		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrophenol	ug/Kg	4.52E+03	ND	6.21E+00		7.28E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/kg	5.98E+01	ND	1.44E+01		4.15E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/kg	5.98E+01	ND	1.44E+01		4.15E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/kg	5.98E+01	ND	1.44E+01		4.15E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	CHANNEL	SD003	SVOA	2,4-Dinitrotoluene	UG/KG	2.10E+02	ND	1.44E+01		1.46E+01		poss-ND
SD	CHANNEL	SD001	SVOA	2,4-Dinitrotoluene	UG/KG	2.30E+02	ND	1.44E+01		1.60E+01		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD003	SVOA	2,4-Dinitrotoluene	UG/KG	2.70E+02	ND	1.44E+01		1.88E+01		poss-ND
SD	CHANNEL	SD005	SVOA	2,4-Dinitrotoluene	UG/KG	3.10E+02	ND	1.44E+01		2.15E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/Kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/Kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/Kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/Kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/Kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/Kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SD004	SVOA	2,4-Dinitrotoluene	UG/KG	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrotoluene	ug/Kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/Kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/kg	3.30E+02	ND	1.44E+01		2.29E+01		poss-ND
SD	CHANNEL	SD005	SVOA	2,4-Dinitrotoluene	UG/KG	3.50E+02	ND	1.44E+01		2.43E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrotoluene	ug/Kg	4.60E+02	ND	1.44E+01		3.19E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrotoluene	ug/Kg	4.70E+02	ND	1.44E+01		3.26E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/Kg	4.90E+02	ND	1.44E+01		3.40E+01		poss-ND
SD	CHANNEL	SD004	SVOA	2,4-Dinitrotoluene	UG/KG	5.20E+02	ND	1.44E+01		3.61E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	UG/KG	5.20E+02	ND	1.44E+01		3.61E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,4-Dinitrotoluene	ug/Kg	6.90E+02	ND	1.44E+01		4.79E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	ug/Kg	7.60E+02	ND	1.44E+01		5.28E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,4-Dinitrotoluene	UG/KG	7.70E+02	ND	1.44E+01		5.35E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,4-Dinitrotoluene	UG/KG	8.00E+02	ND	1.44E+01		5.56E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,4-Dinitrotoluene	ug/Kg	9.00E+02	ND	1.44E+01		6.25E+01		poss-ND
SD	CHANNEL	SD001	SVOA	2,4-Dinitrotoluene	UG/KG	3.00E+03	ND	1.44E+01		2.08E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/kg	5.33E+01	ND	3.98E+01		1.34E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/kg	5.33E+01	ND	3.98E+01		1.34E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/kg	5.33E+01	ND	3.98E+01		1.34E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	CHANNEL	SD003	SVOA	2,6-Dinitrotoluene	UG/KG	2.10E+02	ND	3.98E+01		5.28E+00		poss-ND
SD	CHANNEL	SD001	SVOA	2,6-Dinitrotoluene	UG/KG	2.30E+02	ND	3.98E+01		5.78E+00		poss-ND
SD	CHANNEL	SD003	SVOA	2,6-Dinitrotoluene	UG/KG	2.70E+02	ND	3.98E+01		6.78E+00		poss-ND
SD	CHANNEL	SD005	SVOA	2,6-Dinitrotoluene	UG/KG	3.10E+02	ND	3.98E+01		7.79E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/Kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/Kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/Kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/Kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/Kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/Kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SD004	SVOA	2,6-Dinitrotoluene	UG/KG	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,6-Dinitrotoluene	ug/Kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/Kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/kg	3.30E+02	ND	3.98E+01		8.29E+00		poss-ND
SD	CHANNEL	SD005	SVOA	2,6-Dinitrotoluene	UG/KG	3.50E+02	ND	3.98E+01		8.79E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,6-Dinitrotoluene	ug/Kg	4.60E+02	ND	3.98E+01		1.16E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,6-Dinitrotoluene	ug/Kg	4.70E+02	ND	3.98E+01		1.18E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/Kg	4.90E+02	ND	3.98E+01		1.23E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	UG/KG	5.20E+02	ND	3.98E+01		1.31E+01		poss-ND
SD	CHANNEL	SD004	SVOA	2,6-Dinitrotoluene	UG/KG	5.20E+02	ND	3.98E+01		1.31E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2,6-Dinitrotoluene	ug/Kg	6.90E+02	ND	3.98E+01		1.73E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	ug/Kg	7.60E+02	ND	3.98E+01		1.91E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2,6-Dinitrotoluene	UG/KG	7.70E+02	ND	3.98E+01		1.93E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2,6-Dinitrotoluene	UG/KG	8.00E+02	ND	3.98E+01		2.01E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	UG/KG	8.70E+02	ND	3.98E+01		2.19E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2,6-Dinitrotoluene	ug/Kg	9.00E+02	ND	3.98E+01		2.26E+01		poss-ND
SD	CHANNEL	SD001	SVOA	2,6-Dinitrotoluene	UG/KG	3.00E+03	ND	3.98E+01		7.54E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/kg	6.82E+01	ND	4.17E+02		1.64E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/kg	6.82E+01	ND	4.17E+02		1.64E-01		none
SD	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/kg	6.82E+01	ND	4.17E+02		1.64E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD002200	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SD002200	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SD002200	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SD002200	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	CHANNEL	SWNPDES1	SVOA	2-Chloronaphthalene	ug/Kg	9.30E+01	ND	4.17E+02		2.23E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/Kg	9.90E+01	ND	4.17E+02		2.37E-01		none
SD	CHANNEL	SD001	SVOA	2-Chloronaphthalene	UG/KG	1.10E+02	ND	4.17E+02		2.64E-01		none
SD	CHANNEL	SD003	SVOA	2-Chloronaphthalene	UG/KG	1.20E+02	ND	4.17E+02		2.88E-01		none
SD	CHANNEL	SD003	SVOA	2-Chloronaphthalene	UG/KG	1.40E+02	ND	4.17E+02		3.36E-01		none
SD	CHANNEL	SD005	SVOA	2-Chloronaphthalene	UG/KG	1.70E+02	ND	4.17E+02		4.08E-01		none
SD	CHANNEL	SD005	SVOA	2-Chloronaphthalene	UG/KG	1.80E+02	ND	4.17E+02		4.32E-01		none
SD	CHANNEL	SD004	SVOA	2-Chloronaphthalene	UG/KG	1.90E+02	ND	4.17E+02		4.56E-01		none
SD	CHANNEL	SD004	SVOA	2-Chloronaphthalene	UG/KG	2.60E+02	ND	4.17E+02		6.24E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/Kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/Kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/Kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/Kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/Kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/Kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWNPDES1	SVOA	2-Chloronaphthalene	ug/Kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/Kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/kg	3.30E+02	ND	4.17E+02		7.91E-01		none
SD	CHANNEL	SWNPDES1	SVOA	2-Chloronaphthalene	ug/Kg	4.60E+02	ND	4.17E+02		1.10E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	UG/KG	5.20E+02	ND	4.17E+02		1.25E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chloronaphthalene	ug/Kg	6.90E+02	ND	4.17E+02		1.65E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	ug/Kg	7.60E+02	ND	4.17E+02		1.82E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2-Chloronaphthalene	UG/KG	7.70E+02	ND	4.17E+02		1.85E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chloronaphthalene	UG/KG	8.00E+02	ND	4.17E+02		1.92E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	UG/KG	8.70E+02	ND	4.17E+02		2.09E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Chloronaphthalene	ug/Kg	9.00E+02	ND	4.17E+02		2.16E+00		poss-ND
SD	CHANNEL	SD001	SVOA	2-Chloronaphthalene	UG/KG	1.70E+03	ND	4.17E+02		4.08E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/kg	7.17E+01	ND	3.19E+01		2.25E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/kg	7.17E+01	ND	3.19E+01		2.25E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/kg	7.17E+01	ND	3.19E+01		2.25E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2-Chlorophenol	ug/Kg	9.30E+01	ND	3.19E+01		2.92E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/Kg	9.90E+01	ND	3.19E+01		3.10E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/Kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/Kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/Kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/Kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/Kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/Kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/Kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/Kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2-Chlorophenol	ug/Kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/Kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/kg	3.30E+02	ND	3.19E+01		1.03E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2-Chlorophenol	ug/Kg	4.60E+02	ND	3.19E+01		1.44E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	UG/KG	5.20E+02	ND	3.19E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Chlorophenol	ug/Kg	6.90E+02	ND	3.19E+01		2.16E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	ug/Kg	7.60E+02	ND	3.19E+01		2.38E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2-Chlorophenol	UG/KG	7.70E+02	ND	3.19E+01		2.41E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Chlorophenol	UG/KG	8.00E+02	ND	3.19E+01		2.51E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Chlorophenol	ug/Kg	9.00E+02	ND	3.19E+01		2.82E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SD002200	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWSW	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SD002200	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWSW	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWSW	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWSW	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SD002200	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	CHANNEL	SWNPDES1	SVOA	2-Methylnaphthalene	ug/Kg	9.30E+01	ND	3.30E+02		2.82E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	ug/Kg	9.90E+01	ND	3.30E+02		3.00E-01		none
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	ug/kg	1.05E+02	ND	3.30E+02		3.17E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	ug/kg	1.05E+02	ND	3.30E+02		3.17E-01		none
SD	CHANNEL	SWSW	SVOA	2-Methylnaphthalene	ug/kg	1.05E+02	ND	3.30E+02		3.17E-01		none
SD	CHANNEL	SD003	SVOA	2-Methylnaphthalene	UG/KG	1.50E+02	ND	3.30E+02		4.55E-01		none
SD	CHANNEL	SD005	SVOA	2-Methylnaphthalene	UG/KG	2.20E+02	ND	3.30E+02		6.67E-01		none
SD	CHANNEL	SD004	SVOA	2-Methylnaphthalene	UG/KG	2.30E+02	ND	3.30E+02		6.97E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylnaphthalene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylnaphthalene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylnaphthalene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylnaphthalene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2-Methylnaphthalene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylnaphthalene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2-Methylnaphthalene	ug/Kg	4.60E+02	ND	3.30E+02		1.39E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	UG/KG	5.20E+02	ND	3.30E+02		1.58E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylnaphthalene	ug/Kg	6.90E+02	ND	3.30E+02		2.09E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	ug/Kg	7.60E+02	ND	3.30E+02		2.30E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2-Methylnaphthalene	UG/KG	7.70E+02	ND	3.30E+02		2.33E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylnaphthalene	UG/KG	8.00E+02	ND	3.30E+02		2.42E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylnaphthalene	UG/KG	8.70E+02	ND	3.30E+02		2.64E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylnaphthalene	ug/Kg	9.00E+02	ND	3.30E+02		2.73E+00		poss-ND
SD	CHANNEL	SD001	SVOA	2-Methylnaphthalene	UG/KG	2.10E+03	ND	3.30E+02		6.36E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/kg	5.32E+01	ND	5.54E+01		9.60E-01		none
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/kg	5.32E+01	ND	5.54E+01		9.60E-01		none
SD	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/kg	5.32E+01	ND	5.54E+01		9.60E-01		none
SD	CHANNEL	SD002200	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2-Methylphenol	ug/Kg	1.90E+02	ND	5.54E+01		3.43E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/Kg	2.00E+02	ND	5.54E+01		3.61E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/Kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/Kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/Kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/Kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/Kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/Kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2-Methylphenol	ug/Kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/Kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/Kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/kg	3.30E+02	ND	5.54E+01		5.96E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2-Methylphenol	ug/Kg	4.60E+02	ND	5.54E+01		8.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	UG/KG	5.20E+02	ND	5.54E+01		9.39E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	2-Methylphenol	ug/Kg	6.90E+02	ND	5.54E+01		1.25E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	ug/Kg	7.60E+02	ND	5.54E+01		1.37E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	2-Methylphenol	UG/KG	7.70E+02	ND	5.54E+01		1.39E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	2-Methylphenol	UG/KG	8.00E+02	ND	5.54E+01		1.44E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylphenol	UG/KG	8.70E+02	ND	5.54E+01		1.57E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	2-Methylphenol	ug/Kg	9.00E+02	ND	5.54E+01		1.62E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SD002200	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SD002200	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SD002200	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/Kg	3.30E+02	ND	1.27E+02		2.60E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/Kg	3.30E+02	ND	1.27E+02		2.60E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/Kg	3.30E+02	ND	1.27E+02		2.60E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	3,3'-Dichlorobenzidine	ug/Kg	4.60E+02	ND	1.27E+02		3.62E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	3,3'-Dichlorobenzidine	ug/Kg	4.70E+02	ND	1.27E+02		3.70E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/Kg	4.90E+02	ND	1.27E+02		3.86E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/Kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/Kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	3,3'-Dichlorobenzidine	ug/Kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/Kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/Kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/kg	6.60E+02	ND	1.27E+02		5.20E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	ug/Kg	6.90E+02	ND	1.27E+02		5.43E+00		poss-ND
SD	CHANNEL	SD003	SVOA	3,3'-Dichlorobenzidine	UG/KG	7.50E+02	ND	1.27E+02		5.91E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	ug/Kg	7.60E+02	ND	1.27E+02		5.98E+00		poss-ND
SD	CHANNEL	SD001	SVOA	3,3'-Dichlorobenzidine	UG/KG	8.20E+02	ND	1.27E+02		6.46E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	ug/Kg	9.00E+02	ND	1.27E+02		7.09E+00		poss-ND
SD	CHANNEL	SD003	SVOA	3,3'-Dichlorobenzidine	UG/KG	9.70E+02	ND	1.27E+02		7.64E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	3,3'-Dichlorobenzidine	UG/KG	1.00E+03	ND	1.27E+02		7.87E+00		poss-ND
SD	CHANNEL	SD005	SVOA	3,3'-Dichlorobenzidine	UG/KG	1.10E+03	ND	1.27E+02		8.66E+00		poss-ND
SD	CHANNEL	SD004	SVOA	3,3'-Dichlorobenzidine	UG/KG	1.20E+03	ND	1.27E+02		9.45E+00		poss-ND
SD	CHANNEL	SD005	SVOA	3,3'-Dichlorobenzidine	UG/KG	1.30E+03	ND	1.27E+02		1.02E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	3,3'-Dichlorobenzidine	UG/KG	1.50E+03	ND	1.27E+02		1.18E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	3,3'-Dichlorobenzidine	UG/KG	1.60E+03	ND	1.27E+02		1.26E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	3,3'-Dichlorobenzidine	UG/KG	1.70E+03	ND	1.27E+02		1.34E+01		poss-ND
SD	CHANNEL	SD004	SVOA	3,3'-Dichlorobenzidine	UG/KG	1.90E+03	ND	1.27E+02		1.50E+01		poss-ND
SD	CHANNEL	SD001	SVOA	3,3'-Dichlorobenzidine	UG/KG	1.10E+04	ND	1.27E+02		8.66E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SD002200	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SD002200	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	CHANNEL	SD002200	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES1	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	9.30E+02	ND	1.04E+02		8.94E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	9.90E+02	ND	1.04E+02		9.52E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	1.60E+03	ND	1.04E+02		1.54E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	1.60E+03	ND	1.04E+02		1.54E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	1.60E+03	ND	1.04E+02		1.54E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	1.60E+03	ND	1.04E+02		1.54E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	1.60E+03	ND	1.04E+02		1.54E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	1.60E+03	ND	1.04E+02		1.54E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	1.60E+03	ND	1.04E+02		1.54E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	1.60E+03	ND	1.04E+02		1.54E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	1.60E+03	ND	1.04E+02		1.54E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	1.65E+03	ND	1.04E+02		1.59E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	1.65E+03	ND	1.04E+02		1.59E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	1.65E+03	ND	1.04E+02		1.59E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	1.65E+03	ND	1.04E+02		1.59E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	1.65E+03	ND	1.04E+02		1.59E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	1.65E+03	ND	1.04E+02		1.59E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	1.65E+03	ND	1.04E+02		1.59E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	1.65E+03	ND	1.04E+02		1.59E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	1.65E+03	ND	1.04E+02		1.59E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	2.31E+03	ND	1.04E+02		2.22E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	UG/KG	2.50E+03	ND	1.04E+02		2.40E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	3.45E+03	ND	1.04E+02		3.32E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	4,6-Dinitro-2-methylphenol	UG/KG	3.80E+03	ND	1.04E+02		3.65E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	3.81E+03	ND	1.04E+02		3.66E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4,6-Dinitro-2-methylphenol	UG/KG	3.90E+03	ND	1.04E+02		3.75E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	UG/KG	4.20E+03	ND	1.04E+02		4.04E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	4,6-Dinitro-2-methylphenol	ug/Kg	4.52E+03	ND	1.04E+02		4.35E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SD002200	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWSW	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWSW	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWSW	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWSW	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWSW	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SD002200	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SD002200	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	CHANNEL	SWNPDES1	SVOA	4-Bromophenylphenyl ether	ug/Kg	9.30E+01	ND	1.30E+03		7.15E-02		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	ug/Kg	9.90E+01	ND	1.30E+03		7.62E-02		none
SD	CHANNEL	SD003	SVOA	4-Bromophenylphenyl ether	UG/KG	2.10E+02	ND	1.30E+03		1.62E-01		none
SD	CHANNEL	SD001	SVOA	4-Bromophenylphenyl ether	UG/KG	2.30E+02	ND	1.30E+03		1.77E-01		none
SD	CHANNEL	SD003	SVOA	4-Bromophenylphenyl ether	UG/KG	2.70E+02	ND	1.30E+03		2.08E-01		none
SD	CHANNEL	SD005	SVOA	4-Bromophenylphenyl ether	UG/KG	3.10E+02	ND	1.30E+03		2.38E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWSW	SVOA	4-Bromophenylphenyl ether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SD004	SVOA	4-Bromophenylphenyl ether	UG/KG	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWSW	SVOA	4-Bromophenylphenyl ether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWSW	SVOA	4-Bromophenylphenyl ether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES1	SVOA	4-Bromophenylphenyl ether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWSW	SVOA	4-Bromophenylphenyl ether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWSW	SVOA	4-Bromophenylphenyl ether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SD005	SVOA	4-Bromophenylphenyl ether	UG/KG	3.50E+02	ND	1.30E+03		2.69E-01		none
SD	CHANNEL	SWNPDES1	SVOA	4-Bromophenylphenyl ether	ug/Kg	4.60E+02	ND	1.30E+03		3.54E-01		none
SD	CHANNEL	SD004	SVOA	4-Bromophenylphenyl ether	UG/KG	5.20E+02	ND	1.30E+03		4.00E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	UG/KG	5.20E+02	ND	1.30E+03		4.00E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Bromophenylphenyl ether	ug/Kg	6.90E+02	ND	1.30E+03		5.31E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	ug/Kg	7.60E+02	ND	1.30E+03		5.85E-01		none
SD	CHANNEL	SWNPDES1	SVOA	4-Bromophenylphenyl ether	UG/KG	7.70E+02	ND	1.30E+03		5.92E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Bromophenylphenyl ether	UG/KG	8.00E+02	ND	1.30E+03		6.15E-01		none
SD	CHANNEL	SWSW	SVOA	4-Bromophenylphenyl ether	UG/KG	8.70E+02	ND	1.30E+03		6.69E-01		none
SD	CHANNEL	SWSW	SVOA	4-Bromophenylphenyl ether	ug/Kg	9.00E+02	ND	1.30E+03		6.92E-01		none
SD	CHANNEL	SD001	SVOA	4-Bromophenylphenyl ether	UG/KG	3.00E+03	ND	1.30E+03		2.31E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/kg	5.15E+01	ND	3.88E+02		1.33E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/kg	5.15E+01	ND	3.88E+02		1.33E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/kg	5.15E+01	ND	3.88E+02		1.33E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SD002200	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SD002200	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SD002200	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SD002200	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	CHANNEL	SWNPDES1	SVOA	4-Chloro-3-methylphenol	ug/Kg	1.90E+02	ND	3.88E+02		4.90E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/Kg	2.00E+02	ND	3.88E+02		5.15E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/Kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/Kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/Kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/Kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/Kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES1	SVOA	4-Chloro-3-methylphenol	ug/Kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/Kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/Kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/Kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/Kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/kg	3.30E+02	ND	3.88E+02		8.51E-01		none
SD	CHANNEL	SWNPDES1	SVOA	4-Chloro-3-methylphenol	ug/Kg	4.60E+02	ND	3.88E+02		1.19E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	UG/KG	5.20E+02	ND	3.88E+02		1.34E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Chloro-3-methylphenol	ug/Kg	6.90E+02	ND	3.88E+02		1.78E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	ug/Kg	7.60E+02	ND	3.88E+02		1.96E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	4-Chloro-3-methylphenol	UG/KG	7.70E+02	ND	3.88E+02		1.98E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Chloro-3-methylphenol	UG/KG	8.00E+02	ND	3.88E+02		2.06E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Chloro-3-methylphenol	ug/Kg	9.00E+02	ND	3.88E+02		2.32E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SD002200	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SD002200	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SD002200	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	ug/kg	7.38E+01	ND	1.46E+02		5.05E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	ug/kg	7.38E+01	ND	1.46E+02		5.05E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chloroaniline	ug/kg	7.38E+01	ND	1.46E+02		5.05E-01		none
SD	CHANNEL	SWNPDES1	SVOA	4-Chloroaniline	ug/Kg	2.80E+02	ND	1.46E+02		1.92E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	ug/Kg	3.00E+02	ND	1.46E+02		2.05E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Chloroaniline	ug/kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	ug/kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Chloroaniline	ug/Kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Chloroaniline	ug/kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	ug/Kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	ug/kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	ug/kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	ug/Kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	ug/Kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	ug/kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	4-Chloroaniline	ug/Kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	ug/kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	ug/kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	ug/Kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	ug/Kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Chloroaniline	ug/kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Chloroaniline	ug/Kg	3.30E+02	ND	1.46E+02		2.26E+00		poss-ND
SD	CHANNEL	SD003	SVOA	4-Chloroaniline	UG/KG	4.50E+02	ND	1.46E+02		3.08E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	4-Chloroaniline	ug/Kg	4.60E+02	ND	1.46E+02		3.15E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	UG/KG	5.20E+02	ND	1.46E+02		3.56E+00		poss-ND
SD	CHANNEL	SD005	SVOA	4-Chloroaniline	UG/KG	6.60E+02	ND	1.46E+02		4.52E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Chloroaniline	ug/Kg	6.90E+02	ND	1.46E+02		4.73E+00		poss-ND
SD	CHANNEL	SD004	SVOA	4-Chloroaniline	UG/KG	7.00E+02	ND	1.46E+02		4.79E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	ug/Kg	7.60E+02	ND	1.46E+02		5.21E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	4-Chloroaniline	UG/KG	7.70E+02	ND	1.46E+02		5.27E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Chloroaniline	UG/KG	8.00E+02	ND	1.46E+02		5.48E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Chloroaniline	UG/KG	8.70E+02	ND	1.46E+02		5.96E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Chloroaniline	ug/Kg	9.00E+02	ND	1.46E+02		6.16E+00		poss-ND
SD	CHANNEL	SD001	SVOA	4-Chloroaniline	UG/KG	6.40E+03	ND	1.46E+02		4.38E+01		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.80E+01	ND	1.30E+03		3.69E-02		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.80E+01	ND	1.30E+03		3.69E-02		none
SD	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/kg	4.80E+01	ND	1.30E+03		3.69E-02		none
SD	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SD002200	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SD002200	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SD002200	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SD002200	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	CHANNEL	SWNPDES1	SVOA	4-Chlorophenyl-phenylether	ug/Kg	9.30E+01	ND	1.30E+03		7.15E-02		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/Kg	9.90E+01	ND	1.30E+03		7.62E-02		none
SD	CHANNEL	SD003	SVOA	4-Chlorophenyl-phenylether	UG/KG	1.50E+02	ND	1.30E+03		1.15E-01		none
SD	CHANNEL	SD001	SVOA	4-Chlorophenyl-phenylether	UG/KG	1.60E+02	ND	1.30E+03		1.23E-01		none
SD	CHANNEL	SD003	SVOA	4-Chlorophenyl-phenylether	UG/KG	1.90E+02	ND	1.30E+03		1.46E-01		none
SD	CHANNEL	SD005	SVOA	4-Chlorophenyl-phenylether	UG/KG	2.20E+02	ND	1.30E+03		1.69E-01		none
SD	CHANNEL	SD004	SVOA	4-Chlorophenyl-phenylether	UG/KG	2.30E+02	ND	1.30E+03		1.77E-01		none
SD	CHANNEL	SD005	SVOA	4-Chlorophenyl-phenylether	UG/KG	2.50E+02	ND	1.30E+03		1.92E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES1	SVOA	4-Chlorophenyl-phenylether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/Kg	3.30E+02	ND	1.30E+03		2.54E-01		none
SD	CHANNEL	SD004	SVOA	4-Chlorophenyl-phenylether	UG/KG	3.70E+02	ND	1.30E+03		2.85E-01		none
SD	CHANNEL	SWNPDES1	SVOA	4-Chlorophenyl-phenylether	ug/Kg	4.60E+02	ND	1.30E+03		3.54E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	UG/KG	5.20E+02	ND	1.30E+03		4.00E-01		none
SD	CHANNEL	SWNPDES3	SVOA	4-Chlorophenyl-phenylether	ug/Kg	6.90E+02	ND	1.30E+03		5.31E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	ug/Kg	7.60E+02	ND	1.30E+03		5.85E-01		none
SD	CHANNEL	SWNPDES1	SVOA	4-Chlorophenyl-phenylether	UG/KG	7.70E+02	ND	1.30E+03		5.92E-01		none
SD	CHANNEL	SWNPDES2	SVOA	4-Chlorophenyl-phenylether	UG/KG	8.00E+02	ND	1.30E+03		6.15E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	UG/KG	8.70E+02	ND	1.30E+03		6.69E-01		none
SD	CHANNEL	SWSW	SVOA	4-Chlorophenyl-phenylether	ug/Kg	9.00E+02	ND	1.30E+03		6.92E-01		none
SD	CHANNEL	SD001	SVOA	4-Chlorophenyl-phenylether	UG/KG	2.10E+03	ND	1.30E+03		1.62E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	ug/kg	5.77E+01	ND	2.02E+01		2.86E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/kg	5.77E+01	ND	2.02E+01		2.86E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Methylphenol	ug/kg	5.77E+01	ND	2.02E+01		2.86E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	4-Methylphenol	ug/Kg	9.30E+01	ND	2.02E+01		4.60E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/Kg	9.90E+01	ND	2.02E+01		4.90E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Methylphenol	ug/kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Methylphenol	ug/Kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	ug/Kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/Kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	ug/Kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/Kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/Kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Methylphenol	ug/kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	ug/kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	ug/kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	4-Methylphenol	ug/Kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	SVOA	4-Methylphenol	ug/Kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	ug/kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	ug/Kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Methylphenol	ug/kg	3.30E+02	ND	2.02E+01		1.63E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	4-Methylphenol	ug/Kg	4.60E+02	ND	2.02E+01		2.28E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	UG/KG	5.20E+02	ND	2.02E+01		2.57E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	4-Methylphenol	ug/Kg	6.90E+02	ND	2.02E+01		3.42E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	ug/Kg	7.60E+02	ND	2.02E+01		3.76E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	4-Methylphenol	UG/KG	7.70E+02	ND	2.02E+01		3.81E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	4-Methylphenol	UG/KG	8.00E+02	ND	2.02E+01		3.96E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Methylphenol	UG/KG	8.70E+02	ND	2.02E+01		4.31E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	4-Methylphenol	ug/Kg	9.00E+02	ND	2.02E+01		4.46E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	5.83E+01	ND	6.64E+04		8.78E-04		none
SD	CHANNEL	SWNPDES2	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	5.83E+01	ND	6.64E+04		8.78E-04		none
SD	CHANNEL	SWSW	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	5.83E+01	ND	6.64E+04		8.78E-04		none
SD	CHANNEL	SWNPDES2	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	5.83E+01	ND	6.64E+04		8.78E-04		none
SD	CHANNEL	SWNPDES3	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	5.83E+01	ND	6.64E+04		8.78E-04		none
SD	CHANNEL	SWNPDES3	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	5.83E+01	ND	6.64E+04		8.78E-04		none
SD	CHANNEL	SWSW	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	5.83E+01	ND	6.64E+04		8.78E-04		none
SD	CHANNEL	SWSW	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	5.83E+01	ND	6.64E+04		8.78E-04		none
SD	CHANNEL	SWNPDES2	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	5.83E+01	ND	6.64E+04		8.78E-04		none
SD	CHANNEL	SWNPDES3	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	5.83E+01	ND	6.64E+04		8.78E-04		none
SD	CHANNEL	SWNPDES2	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	5.83E+01	ND	6.64E+04		8.78E-04		none
SD	CHANNEL	SWNPDES3	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	5.83E+01	ND	6.64E+04		8.78E-04		none
SD	CHANNEL	SD002200	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	CHANNEL	SD002200	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	CHANNEL	SWNPDES2	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	CHANNEL	SWSW	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	CHANNEL	SWNPDES3	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	CHANNEL	SD002200	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	CHANNEL	SD002200	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/kg	4.85E+01	ND	3.30E+02		1.47E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/kg	4.85E+01	ND	3.30E+02		1.47E-01		none
SD	CHANNEL	SWSW	SVOA	Acenaphthene	ug/kg	4.85E+01	ND	3.30E+02		1.47E-01		none
SD	CHANNEL	SWSW	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SD002200	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SD002200	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SWSW	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SWSW	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SWSW	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SD002200	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SD002200	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Acenaphthene	ug/Kg	9.30E+01	ND	3.30E+02		2.82E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/Kg	9.90E+01	ND	3.30E+02		3.00E-01		none
SD	CHANNEL	SD001	SVOA	Acenaphthene	UG/KG	1.10E+02	ND	3.30E+02		3.33E-01		none
SD	CHANNEL	SD003	SVOA	Acenaphthene	UG/KG	1.20E+02	ND	3.30E+02		3.64E-01		none
SD	CHANNEL	SD003	SVOA	Acenaphthene	UG/KG	1.40E+02	ND	3.30E+02		4.24E-01		none
SD	CHANNEL	SD005	SVOA	Acenaphthene	UG/KG	1.70E+02	ND	3.30E+02		5.15E-01		none
SD	CHANNEL	SD005	SVOA	Acenaphthene	UG/KG	1.80E+02	ND	3.30E+02		5.45E-01		none
SD	CHANNEL	SD004	SVOA	Acenaphthene	UG/KG	1.90E+02	ND	3.30E+02		5.76E-01		none
SD	CHANNEL	SD004	SVOA	Acenaphthene	UG/KG	2.60E+02	ND	3.30E+02		7.88E-01		none
SD	CHANNEL	SWSW	SVOA	Acenaphthene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Acenaphthene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Acenaphthene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Acenaphthene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Acenaphthene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Acenaphthene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Acenaphthene	ug/Kg	4.60E+02	ND	3.30E+02		1.39E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	UG/KG	5.20E+02	ND	3.30E+02		1.58E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthene	ug/Kg	6.90E+02	ND	3.30E+02		2.09E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthene	ug/Kg	7.60E+02	ND	3.30E+02		2.30E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Acenaphthene	UG/KG	7.70E+02	ND	3.30E+02		2.33E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthene	UG/KG	8.00E+02	ND	3.30E+02		2.42E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Acenaphthene	ug/Kg	9.00E+02	ND	3.30E+02		2.73E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Acenaphthene	UG/KG	1.70E+03	ND	3.30E+02		5.15E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	ug/kg	5.85E+01	ND	3.30E+02		1.77E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	ug/kg	5.85E+01	ND	3.30E+02		1.77E-01		none
SD	CHANNEL	SWSW	SVOA	Acenaphthylene	ug/kg	5.85E+01	ND	3.30E+02		1.77E-01		none
SD	CHANNEL	SD002200	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SD002200	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SWSW	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SWSW	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SWSW	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SD002200	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SD002200	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Acenaphthylene	ug/Kg	9.30E+01	ND	3.30E+02		2.82E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	ug/Kg	9.90E+01	ND	3.30E+02		3.00E-01		none
SD	CHANNEL	SD001	SVOA	Acenaphthylene	UG/KG	1.10E+02	ND	3.30E+02		3.33E-01		none
SD	CHANNEL	SD003	SVOA	Acenaphthylene	UG/KG	1.20E+02	ND	3.30E+02		3.64E-01		none
SD	CHANNEL	SD003	SVOA	Acenaphthylene	UG/KG	1.40E+02	ND	3.30E+02		4.24E-01		none
SD	CHANNEL	SD005	SVOA	Acenaphthylene	UG/KG	1.70E+02	ND	3.30E+02		5.15E-01		none
SD	CHANNEL	SD005	SVOA	Acenaphthylene	UG/KG	1.80E+02	ND	3.30E+02		5.45E-01		none
SD	CHANNEL	SD004	SVOA	Acenaphthylene	UG/KG	1.90E+02	ND	3.30E+02		5.76E-01		none
SD	CHANNEL	SD004	SVOA	Acenaphthylene	UG/KG	2.60E+02	ND	3.30E+02		7.88E-01		none
SD	CHANNEL	SWSW	SVOA	Acenaphthylene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Acenaphthylene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Acenaphthylene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Acenaphthylene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Acenaphthylene	ug/Kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Acenaphthylene	ug/kg	3.30E+02	ND	3.30E+02		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Acenaphthylene	ug/Kg	4.60E+02	ND	3.30E+02		1.39E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	UG/KG	5.20E+02	ND	3.30E+02		1.58E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Acenaphthylene	ug/Kg	6.90E+02	ND	3.30E+02		2.09E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	ug/Kg	7.60E+02	ND	3.30E+02		2.30E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Acenaphthylene	UG/KG	7.70E+02	ND	3.30E+02		2.33E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Acenaphthylene	UG/KG	8.00E+02	ND	3.30E+02		2.42E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Acenaphthylene	UG/KG	8.70E+02	ND	3.30E+02		2.64E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Acenaphthylene	ug/Kg	9.00E+02	ND	3.30E+02		2.73E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Acenaphthylene	UG/KG	1.70E+03	ND	3.30E+02		5.15E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/kg	4.63E+01	ND	5.72E+01	8.45E+02	8.09E-01	5.48E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/kg	4.63E+01	ND	5.72E+01	8.45E+02	8.09E-01	5.48E-02	none
SD	CHANNEL	SWSW	SVOA	Anthracene	ug/kg	4.63E+01	ND	5.72E+01	8.45E+02	8.09E-01	5.48E-02	none
SD	CHANNEL	SD002200	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SD002200	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWSW	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWSW	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWSW	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWSW	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SD002200	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SD002200	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Anthracene	ug/Kg	9.30E+01	ND	5.72E+01	8.45E+02	1.63E+00	1.10E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/Kg	9.90E+01	ND	5.72E+01	8.45E+02	1.73E+00	1.17E-01	poss-ND
SD	CHANNEL	SD001	SVOA	Anthracene	UG/KG	1.10E+02	ND	5.72E+01	8.45E+02	1.92E+00	1.30E-01	poss-ND
SD	CHANNEL	SD003	SVOA	Anthracene	UG/KG	1.20E+02	ND	5.72E+01	8.45E+02	2.10E+00	1.42E-01	poss-ND
SD	CHANNEL	SD003	SVOA	Anthracene	UG/KG	1.40E+02	ND	5.72E+01	8.45E+02	2.45E+00	1.66E-01	poss-ND
SD	CHANNEL	SD005	SVOA	Anthracene	UG/KG	1.70E+02	ND	5.72E+01	8.45E+02	2.97E+00	2.01E-01	poss-ND
SD	CHANNEL	SD005	SVOA	Anthracene	UG/KG	1.80E+02	ND	5.72E+01	8.45E+02	3.15E+00	2.13E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Anthracene	UG/KG	1.90E+02	ND	5.72E+01	8.45E+02	3.32E+00	2.25E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Anthracene	UG/KG	2.60E+02	ND	5.72E+01	8.45E+02	4.55E+00	3.08E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Anthracene	ug/kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Anthracene	ug/Kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Anthracene	ug/kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/Kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/Kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/Kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/Kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES1	SVOA	Anthracene	ug/Kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/Kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Anthracene	ug/Kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Anthracene	ug/kg	3.30E+02	ND	5.72E+01	8.45E+02	5.77E+00	3.91E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Anthracene	ug/Kg	4.60E+02	ND	5.72E+01	8.45E+02	8.04E+00	5.44E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	UG/KG	5.20E+02	ND	5.72E+01	8.45E+02	9.09E+00	6.15E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Anthracene	ug/Kg	6.90E+02	ND	5.72E+01	8.45E+02	1.21E+01	8.17E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	ug/Kg	7.60E+02	ND	5.72E+01	8.45E+02	1.33E+01	8.99E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Anthracene	UG/KG	7.70E+02	ND	5.72E+01	8.45E+02	1.35E+01	9.11E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Anthracene	UG/KG	8.00E+02	ND	5.72E+01	8.45E+02	1.40E+01	9.47E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Anthracene	UG/KG	8.70E+02	ND	5.72E+01	8.45E+02	1.52E+01	1.03E+00	prob-ND
SD	CHANNEL	SWSW	SVOA	Anthracene	ug/Kg	9.00E+02	ND	5.72E+01	8.45E+02	1.57E+01	1.07E+00	prob-ND
SD	CHANNEL	SD001	SVOA	Anthracene	UG/KG	1.70E+03	ND	5.72E+01	8.45E+02	2.97E+01	2.01E+00	prob-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/kg	4.70E+01	ND	1.08E+02	1.05E+03	4.35E-01	4.48E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/kg	4.70E+01	ND	1.08E+02	1.05E+03	4.35E-01	4.48E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/kg	4.70E+01	ND	1.08E+02	1.05E+03	4.35E-01	4.48E-02	none
SD	CHANNEL	SD002200	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SD002200	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SD002200	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SD002200	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	CHANNEL	SWNPDES1	SVOA	Benzo(a)anthracene	ug/Kg	9.30E+01	ND	1.08E+02	1.05E+03	8.61E-01	8.86E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/Kg	9.90E+01	ND	1.08E+02	1.05E+03	9.17E-01	9.43E-02	none
SD	CHANNEL	SD003	SVOA	Benzo(a)anthracene	UG/KG	1.50E+02	ND	1.08E+02	1.05E+03	1.39E+00	1.43E-01	poss-ND
SD	CHANNEL	SD001	SVOA	Benzo(a)anthracene	UG/KG	1.60E+02	ND	1.08E+02	1.05E+03	1.48E+00	1.52E-01	poss-ND
SD	CHANNEL	SD003	SVOA	Benzo(a)anthracene	UG/KG	1.90E+02	ND	1.08E+02	1.05E+03	1.76E+00	1.81E-01	poss-ND
SD	CHANNEL	SD005	SVOA	Benzo(a)anthracene	UG/KG	2.20E+02	ND	1.08E+02	1.05E+03	2.04E+00	2.10E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Benzo(a)anthracene	UG/KG	2.30E+02	ND	1.08E+02	1.05E+03	2.13E+00	2.19E-01	poss-ND
SD	CHANNEL	SD005	SVOA	Benzo(a)anthracene	UG/KG	2.50E+02	ND	1.08E+02	1.05E+03	2.31E+00	2.38E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/Kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/Kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/Kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/Kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzo(a)anthracene	ug/Kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/Kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/Kg	3.30E+02	ND	1.08E+02	1.05E+03	3.06E+00	3.14E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Benzo(a)anthracene	UG/KG	3.70E+02	ND	1.08E+02	1.05E+03	3.43E+00	3.52E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzo(a)anthracene	ug/Kg	4.60E+02	ND	1.08E+02	1.05E+03	4.26E+00	4.38E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	UG/KG	5.20E+02	ND	1.08E+02	1.05E+03	4.81E+00	4.95E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)anthracene	ug/Kg	6.90E+02	ND	1.08E+02	1.05E+03	6.39E+00	6.57E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	ug/Kg	7.60E+02	ND	1.08E+02	1.05E+03	7.04E+00	7.24E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzo(a)anthracene	UG/KG	7.70E+02	ND	1.08E+02	1.05E+03	7.13E+00	7.33E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)anthracene	UG/KG	8.00E+02	ND	1.08E+02	1.05E+03	7.41E+00	7.62E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	UG/KG	8.70E+02	ND	1.08E+02	1.05E+03	8.06E+00	8.29E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)anthracene	ug/Kg	9.00E+02	ND	1.08E+02	1.05E+03	8.33E+00	8.57E-01	poss-ND
SD	CHANNEL	SD001	SVOA	Benzo(a)anthracene	UG/KG	2.10E+03	ND	1.08E+02	1.05E+03	1.94E+01	2.00E+00	prob-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/kg	5.06E+01	ND	1.50E+02	1.45E+03	3.37E-01	3.49E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/kg	5.06E+01	ND	1.50E+02	1.45E+03	3.37E-01	3.49E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/kg	5.06E+01	ND	1.50E+02	1.45E+03	3.37E-01	3.49E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SD002200	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SD002200	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SD002200	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SD002200	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	CHANNEL	SWNPDES1	SVOA	Benzo(a)pyrene	ug/Kg	9.30E+01	ND	1.50E+02	1.45E+03	6.20E-01	6.41E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/Kg	9.90E+01	ND	1.50E+02	1.45E+03	6.60E-01	6.83E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	UG/KG	1.50E+02	DET	1.50E+02	1.45E+03	1.00E+00	1.03E-01	poss-det

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD003	SVOA	Benzo(a)pyrene	UG/KG	2.10E+02	ND	1.50E+02	1.45E+03	1.40E+00	1.45E-01	poss-ND
SD	CHANNEL	SD001	SVOA	Benzo(a)pyrene	UG/KG	2.30E+02	ND	1.50E+02	1.45E+03	1.53E+00	1.59E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzo(a)pyrene	UG/KG	2.30E+02	DET	1.50E+02	1.45E+03	1.53E+00	1.59E-01	poss-det
SD	CHANNEL	SD003	SVOA	Benzo(a)pyrene	UG/KG	2.70E+02	ND	1.50E+02	1.45E+03	1.80E+00	1.86E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	UG/KG	2.70E+02	DET	1.50E+02	1.45E+03	1.80E+00	1.86E-01	poss-det
SD	CHANNEL	SD005	SVOA	Benzo(a)pyrene	UG/KG	3.10E+02	ND	1.50E+02	1.45E+03	2.07E+00	2.14E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Benzo(a)pyrene	UG/KG	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/Kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/Kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/Kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/Kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/Kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzo(a)pyrene	ug/Kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/Kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/Kg	3.30E+02	ND	1.50E+02	1.45E+03	2.20E+00	2.28E-01	poss-ND
SD	CHANNEL	SD005	SVOA	Benzo(a)pyrene	UG/KG	3.50E+02	ND	1.50E+02	1.45E+03	2.33E+00	2.41E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzo(a)pyrene	ug/Kg	4.60E+02	ND	1.50E+02	1.45E+03	3.07E+00	3.17E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/kg	4.79E+02	DET	1.50E+02	1.45E+03	3.19E+00	3.30E-01	poss-det
SD	CHANNEL	SD004	SVOA	Benzo(a)pyrene	UG/KG	5.20E+02	ND	1.50E+02	1.45E+03	3.47E+00	3.59E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	UG/KG	5.20E+02	ND	1.50E+02	1.45E+03	3.47E+00	3.59E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(a)pyrene	ug/Kg	6.90E+02	ND	1.50E+02	1.45E+03	4.60E+00	4.76E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(a)pyrene	ug/Kg	7.60E+02	ND	1.50E+02	1.45E+03	5.07E+00	5.24E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(a)pyrene	ug/Kg	9.00E+02	ND	1.50E+02	1.45E+03	6.00E+00	6.21E-01	poss-ND
SD	CHANNEL	SD001	SVOA	Benzo(a)pyrene	UG/KG	3.00E+03	ND	1.50E+02	1.45E+03	2.00E+01	2.07E+00	prob-ND
SD	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SD002200	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SD002200	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SD002200	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SD002200	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/kg	9.02E+01	ND	1.04E+04		8.67E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/kg	9.02E+01	ND	1.04E+04		8.67E-03		none
SD	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/kg	9.02E+01	ND	1.04E+04		8.67E-03		none
SD	CHANNEL	SWNPDES1	SVOA	Benzo(b)fluoranthene	ug/Kg	9.30E+01	ND	1.04E+04		8.94E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/Kg	9.90E+01	ND	1.04E+04		9.52E-03		none
SD	CHANNEL	SD003	SVOA	Benzo(b)fluoranthene	UG/KG	1.50E+02	ND	1.04E+04		1.44E-02		none
SD	CHANNEL	SD001	SVOA	Benzo(b)fluoranthene	UG/KG	1.60E+02	ND	1.04E+04		1.54E-02		none
SD	CHANNEL	SD003	SVOA	Benzo(b)fluoranthene	UG/KG	1.90E+02	ND	1.04E+04		1.83E-02		none
SD	CHANNEL	SD005	SVOA	Benzo(b)fluoranthene	UG/KG	2.20E+02	ND	1.04E+04		2.12E-02		none
SD	CHANNEL	SD004	SVOA	Benzo(b)fluoranthene	UG/KG	2.30E+02	ND	1.04E+04		2.21E-02		none
SD	CHANNEL	SD005	SVOA	Benzo(b)fluoranthene	UG/KG	2.50E+02	ND	1.04E+04		2.40E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/kg	3.02E+02	DET	1.04E+04		2.90E-02		none
SD	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/Kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/Kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/Kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/Kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/Kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Benzo(b)fluoranthene	ug/Kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/Kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/Kg	3.30E+02	ND	1.04E+04		3.17E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Benzo(b)fluoranthene	UG/KG	3.50E+02	DET	1.04E+04		3.37E-02		none
SD	CHANNEL	SD004	SVOA	Benzo(b)fluoranthene	UG/KG	3.70E+02	ND	1.04E+04		3.56E-02		none
SD	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	UG/KG	4.50E+02	DET	1.04E+04		4.33E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Benzo(b)fluoranthene	ug/Kg	4.60E+02	ND	1.04E+04		4.42E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	UG/KG	5.20E+02	ND	1.04E+04		5.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	UG/KG	5.60E+02	DET	1.04E+04		5.38E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(b)fluoranthene	ug/Kg	6.90E+02	ND	1.04E+04		6.63E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(b)fluoranthene	ug/Kg	7.60E+02	ND	1.04E+04		7.31E-02		none
SD	CHANNEL	SWSW	SVOA	Benzo(b)fluoranthene	ug/Kg	9.00E+02	ND	1.04E+04		8.65E-02		none
SD	CHANNEL	SD001	SVOA	Benzo(b)fluoranthene	UG/KG	2.10E+03	ND	1.04E+04		2.02E-01		none
SD	CHANNEL	SD002200	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD002200	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SD002200	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SD002200	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	CHANNEL	SWNPDES1	SVOA	Benzo(g,h,i)perylene	ug/Kg	9.30E+01	ND	2.90E+02	6.30E+03	3.21E-01	1.48E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/Kg	9.90E+01	ND	2.90E+02	6.30E+03	3.41E-01	1.57E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	UG/KG	1.30E+02	DET	2.90E+02	6.30E+03	4.48E-01	2.06E-02	none
SD	CHANNEL	SD003	SVOA	Benzo(g,h,i)perylene	UG/KG	2.40E+02	ND	2.90E+02	6.30E+03	8.28E-01	3.81E-02	none
SD	CHANNEL	SD001	SVOA	Benzo(g,h,i)perylene	UG/KG	2.60E+02	ND	2.90E+02	6.30E+03	8.97E-01	4.13E-02	none
SD	CHANNEL	SD003	SVOA	Benzo(g,h,i)perylene	UG/KG	3.10E+02	ND	2.90E+02	6.30E+03	1.07E+00	4.92E-02	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/Kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/Kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/Kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/Kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/Kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/Kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzo(g,h,i)perylene	ug/Kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/Kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/kg	3.30E+02	ND	2.90E+02	6.30E+03	1.14E+00	5.24E-02	poss-ND
SD	CHANNEL	SD005	SVOA	Benzo(g,h,i)perylene	UG/KG	3.50E+02	ND	2.90E+02	6.30E+03	1.21E+00	5.56E-02	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/kg	3.70E+02	DET	2.90E+02	6.30E+03	1.28E+00	5.87E-02	poss-det
SD	CHANNEL	SD005	SVOA	Benzo(g,h,i)perylene	UG/KG	4.00E+02	ND	2.90E+02	6.30E+03	1.38E+00	6.35E-02	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzo(g,h,i)perylene	ug/Kg	4.60E+02	ND	2.90E+02	6.30E+03	1.59E+00	7.30E-02	poss-ND
SD	CHANNEL	SD004	SVOA	Benzo(g,h,i)perylene	UG/KG	6.00E+02	ND	2.90E+02	6.30E+03	2.07E+00	9.52E-02	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(g,h,i)perylene	ug/Kg	6.90E+02	ND	2.90E+02	6.30E+03	2.38E+00	1.10E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	UG/KG	7.10E+02	DET	2.90E+02	6.30E+03	2.45E+00	1.13E-01	poss-det
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/Kg	7.60E+02	ND	2.90E+02	6.30E+03	2.62E+00	1.21E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzo(g,h,i)perylene	UG/KG	7.70E+02	ND	2.90E+02	6.30E+03	2.66E+00	1.22E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(g,h,i)perylene	ug/Kg	9.00E+02	ND	2.90E+02	6.30E+03	3.10E+00	1.43E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Benzo(g,h,i)perylene	UG/KG	9.40E+02	DET	2.90E+02	6.30E+03	3.24E+00	1.49E-01	poss-det
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	UG/KG	1.70E+03	DET	2.90E+02	6.30E+03	5.86E+00	2.70E-01	poss-det
SD	CHANNEL	SD001	SVOA	Benzo(g,h,i)perylene	UG/KG	3.40E+03	ND	2.90E+02	6.30E+03	1.17E+01	5.40E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(g,h,i)perylene	ug/kg	1.00E+04	DET	2.90E+02	6.30E+03	3.45E+01	1.59E+00	prob-det
SD	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SD002200	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SD002200	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SD002200	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SD002200	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Benzo(k)fluoranthene	ug/Kg	9.30E+01	ND	2.40E+02		3.88E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/Kg	9.90E+01	ND	2.40E+02		4.13E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/kg	1.31E+02	ND	2.40E+02		5.44E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/kg	1.31E+02	ND	2.40E+02		5.44E-01		none
SD	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/kg	1.31E+02	ND	2.40E+02		5.44E-01		none
SD	CHANNEL	SD003	SVOA	Benzo(k)fluoranthene	UG/KG	1.50E+02	ND	2.40E+02		6.25E-01		none
SD	CHANNEL	SD001	SVOA	Benzo(k)fluoranthene	UG/KG	1.60E+02	ND	2.40E+02		6.67E-01		none
SD	CHANNEL	SD003	SVOA	Benzo(k)fluoranthene	UG/KG	1.90E+02	ND	2.40E+02		7.92E-01		none
SD	CHANNEL	SD005	SVOA	Benzo(k)fluoranthene	UG/KG	2.20E+02	ND	2.40E+02		9.17E-01		none
SD	CHANNEL	SD004	SVOA	Benzo(k)fluoranthene	UG/KG	2.30E+02	ND	2.40E+02		9.58E-01		none
SD	CHANNEL	SD005	SVOA	Benzo(k)fluoranthene	UG/KG	2.50E+02	ND	2.40E+02		1.04E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/Kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/Kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/Kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/Kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/Kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzo(k)fluoranthene	ug/Kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/Kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/Kg	3.30E+02	ND	2.40E+02		1.38E+00		poss-ND
SD	CHANNEL	SD004	SVOA	Benzo(k)fluoranthene	UG/KG	3.70E+02	ND	2.40E+02		1.54E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzo(k)fluoranthene	ug/Kg	4.60E+02	ND	2.40E+02		1.92E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	UG/KG	5.20E+02	ND	2.40E+02		2.17E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzo(k)fluoranthene	ug/Kg	6.90E+02	ND	2.40E+02		2.88E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	ug/Kg	7.60E+02	ND	2.40E+02		3.17E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzo(k)fluoranthene	UG/KG	7.70E+02	ND	2.40E+02		3.21E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzo(k)fluoranthene	UG/KG	8.00E+02	ND	2.40E+02		3.33E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	UG/KG	8.70E+02	ND	2.40E+02		3.63E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzo(k)fluoranthene	ug/Kg	9.00E+02	ND	2.40E+02		3.75E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Benzo(k)fluoranthene	UG/KG	2.10E+03	ND	2.40E+02		8.75E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/kg	6.01E+01	ND	1.04E+00		5.78E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/kg	6.01E+01	ND	1.04E+00		5.78E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/kg	6.01E+01	ND	1.04E+00		5.78E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	CHANNEL	SD003	SVOA	Benzyl alcohol	UG/KG	2.10E+02	ND	1.04E+00		2.02E+02		poss-ND
SD	CHANNEL	SD005	SVOA	Benzyl alcohol	UG/KG	3.10E+02	ND	1.04E+00		2.98E+02		poss-ND
SD	CHANNEL	SD004	SVOA	Benzyl alcohol	UG/KG	3.30E+02	ND	1.04E+00		3.17E+02		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzyl alcohol	ug/Kg	4.70E+02	ND	1.04E+00		4.52E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/Kg	4.90E+02	ND	1.04E+00		4.71E+02		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/Kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/Kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/Kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzyl alcohol	ug/Kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/Kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/Kg	6.60E+02	ND	1.04E+00		6.35E+02		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Benzyl alcohol	ug/Kg	9.20E+02	ND	1.04E+00		8.85E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Benzyl alcohol	ug/Kg	1.40E+03	ND	1.04E+00		1.35E+03		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Benzyl alcohol	ug/Kg	1.50E+03	ND	1.04E+00		1.44E+03		poss-ND
SD	CHANNEL	SWSW	SVOA	Benzyl alcohol	ug/Kg	1.80E+03	ND	1.04E+00		1.73E+03		poss-ND
SD	CHANNEL	SD001	SVOA	Benzyl alcohol	UG/KG	3.00E+03	ND	1.04E+00		2.88E+03		poss-ND
SD	CHANNEL	SD002200	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SD002200	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SD002200	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SD002200	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	CHANNEL	SD001	SVOA	Bis(2-chloroethyl)ether	UG/KG	1.10E+02	ND	3.52E+03		3.13E-02		none
SD	CHANNEL	SD003	SVOA	Bis(2-chloroethyl)ether	UG/KG	1.20E+02	ND	3.52E+03		3.41E-02		none
SD	CHANNEL	SD003	SVOA	Bis(2-chloroethyl)ether	UG/KG	1.40E+02	ND	3.52E+03		3.98E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	ug/kg	1.44E+02	ND	3.52E+03		4.10E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	ug/kg	1.44E+02	ND	3.52E+03		4.10E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroethyl)ether	ug/kg	1.44E+02	ND	3.52E+03		4.10E-02		none
SD	CHANNEL	SD005	SVOA	Bis(2-chloroethyl)ether	UG/KG	1.70E+02	ND	3.52E+03		4.83E-02		none
SD	CHANNEL	SD005	SVOA	Bis(2-chloroethyl)ether	UG/KG	1.80E+02	ND	3.52E+03		5.11E-02		none
SD	CHANNEL	SD004	SVOA	Bis(2-chloroethyl)ether	UG/KG	1.90E+02	ND	3.52E+03		5.40E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Bis(2-chloroethyl)ether	ug/Kg	1.90E+02	ND	3.52E+03		5.40E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	ug/Kg	2.00E+02	ND	3.52E+03		5.68E-02		none
SD	CHANNEL	SD004	SVOA	Bis(2-chloroethyl)ether	UG/KG	2.60E+02	ND	3.52E+03		7.39E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroethyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroethyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroethyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Bis(2-chloroethyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroethyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroethyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Bis(2-chloroethyl)ether	ug/Kg	4.60E+02	ND	3.52E+03		1.31E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	UG/KG	5.20E+02	ND	3.52E+03		1.48E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroethyl)ether	ug/Kg	6.90E+02	ND	3.52E+03		1.96E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	ug/Kg	7.60E+02	ND	3.52E+03		2.16E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Bis(2-chloroethyl)ether	UG/KG	7.70E+02	ND	3.52E+03		2.19E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroethyl)ether	UG/KG	8.00E+02	ND	3.52E+03		2.27E-01		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroethyl)ether	UG/KG	8.70E+02	ND	3.52E+03		2.47E-01		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroethyl)ether	ug/Kg	9.00E+02	ND	3.52E+03		2.56E-01		none
SD	CHANNEL	SD001	SVOA	Bis(2-chloroethyl)ether	UG/KG	1.70E+03	ND	3.52E+03		4.83E-01		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SD002200	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SD002200	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SD002200	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SD002200	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	9.30E+01	ND	3.52E+03		2.64E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	9.90E+01	ND	3.52E+03		2.81E-02		none
SD	CHANNEL	SD001	SVOA	Bis(2-chloroisopropyl)ether	UG/KG	1.10E+02	ND	3.52E+03		3.13E-02		none
SD	CHANNEL	SD003	SVOA	Bis(2-chloroisopropyl)ether	UG/KG	1.20E+02	ND	3.52E+03		3.41E-02		none
SD	CHANNEL	SD003	SVOA	Bis(2-chloroisopropyl)ether	UG/KG	1.40E+02	ND	3.52E+03		3.98E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	1.54E+02	ND	3.52E+03		4.38E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	1.54E+02	ND	3.52E+03		4.38E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	1.54E+02	ND	3.52E+03		4.38E-02		none
SD	CHANNEL	SD005	SVOA	Bis(2-chloroisopropyl)ether	UG/KG	1.70E+02	ND	3.52E+03		4.83E-02		none
SD	CHANNEL	SD005	SVOA	Bis(2-chloroisopropyl)ether	UG/KG	1.80E+02	ND	3.52E+03		5.11E-02		none
SD	CHANNEL	SD004	SVOA	Bis(2-chloroisopropyl)ether	UG/KG	1.90E+02	ND	3.52E+03		5.40E-02		none
SD	CHANNEL	SD004	SVOA	Bis(2-chloroisopropyl)ether	UG/KG	2.60E+02	ND	3.52E+03		7.39E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	3.30E+02	ND	3.52E+03		9.38E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	4.60E+02	ND	3.52E+03		1.31E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	UG/KG	5.20E+02	ND	3.52E+03		1.48E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	6.90E+02	ND	3.52E+03		1.96E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	7.60E+02	ND	3.52E+03		2.16E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Bis(2-chloroisopropyl)ether	UG/KG	7.70E+02	ND	3.52E+03		2.19E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-chloroisopropyl)ether	UG/KG	8.00E+02	ND	3.52E+03		2.27E-01		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroisopropyl)ether	UG/KG	8.70E+02	ND	3.52E+03		2.47E-01		none
SD	CHANNEL	SWSW	SVOA	Bis(2-chloroisopropyl)ether	ug/Kg	9.00E+02	ND	3.52E+03		2.56E-01		none
SD	CHANNEL	SD001	SVOA	Bis(2-chloroisopropyl)ether	UG/KG	1.70E+03	ND	3.52E+03		4.83E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	9.30E+01	ND	1.82E+02		5.11E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	9.90E+01	ND	1.82E+02		5.44E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	9.93E+01	ND	1.82E+02		5.46E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	9.93E+01	ND	1.82E+02		5.46E-01		none
SD	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	9.93E+01	ND	1.82E+02		5.46E-01		none
SD	CHANNEL	SD003	SVOA	Bis(2-ethylhexyl)phthalate	UG/KG	1.50E+02	ND	1.82E+02		8.24E-01		none
SD	CHANNEL	SD001	SVOA	Bis(2-ethylhexyl)phthalate	UG/KG	1.60E+02	ND	1.82E+02		8.79E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD002200	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SD003	SVOA	Bis(2-ethylhexyl)phthalate	UG/KG	1.90E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	UG/KG	2.10E+02	ND	1.82E+02		1.15E+00		poss-ND
SD	CHANNEL	SD005	SVOA	Bis(2-ethylhexyl)phthalate	UG/KG	2.20E+02	ND	1.82E+02		1.21E+00		poss-ND
SD	CHANNEL	SD004	SVOA	Bis(2-ethylhexyl)phthalate	UG/KG	2.30E+02	ND	1.82E+02		1.26E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	UG/KG	2.30E+02	ND	1.82E+02		1.26E+00		poss-ND
SD	CHANNEL	SD005	SVOA	Bis(2-ethylhexyl)phthalate	UG/KG	2.50E+02	ND	1.82E+02		1.37E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Bis(2-ethylhexyl)phthalate	UG/KG	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	3.30E+02	ND	1.82E+02		1.81E+00		poss-ND
SD	CHANNEL	SD004	SVOA	Bis(2-ethylhexyl)phthalate	UG/KG	3.70E+02	ND	1.82E+02		2.03E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	UG/KG	4.60E+02	ND	1.82E+02		2.53E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	4.60E+02	ND	1.82E+02		2.53E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	6.90E+02	ND	1.82E+02		3.79E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	7.60E+02	ND	1.82E+02		4.18E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Bis(2-ethylhexyl)phthalate	ug/Kg	9.00E+02	ND	1.82E+02		4.95E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Bis(2-ethylhexyl)phthalate	UG/KG	2.10E+03	ND	1.82E+02		1.15E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/kg	7.04E+01	ND	1.10E+04		6.40E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/kg	7.04E+01	ND	1.10E+04		6.40E-03		none
SD	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/kg	7.04E+01	ND	1.10E+04		6.40E-03		none
SD	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SD002200	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SD002200	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SD002200	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SD002200	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	CHANNEL	SWNPDES1	SVOA	Butylbenzyl phthalate	ug/Kg	9.30E+01	ND	1.10E+04		8.45E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/Kg	9.90E+01	ND	1.10E+04		9.00E-03		none
SD	CHANNEL	SD003	SVOA	Butylbenzyl phthalate	UG/KG	1.50E+02	ND	1.10E+04		1.36E-02		none
SD	CHANNEL	SD001	SVOA	Butylbenzyl phthalate	UG/KG	1.60E+02	ND	1.10E+04		1.45E-02		none
SD	CHANNEL	SD003	SVOA	Butylbenzyl phthalate	UG/KG	1.90E+02	ND	1.10E+04		1.73E-02		none
SD	CHANNEL	SD005	SVOA	Butylbenzyl phthalate	UG/KG	2.20E+02	ND	1.10E+04		2.00E-02		none
SD	CHANNEL	SD004	SVOA	Butylbenzyl phthalate	UG/KG	2.30E+02	ND	1.10E+04		2.09E-02		none
SD	CHANNEL	SD005	SVOA	Butylbenzyl phthalate	UG/KG	2.50E+02	ND	1.10E+04		2.27E-02		none
SD	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Butylbenzyl phthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SD004	SVOA	Butylbenzyl phthalate	UG/KG	3.70E+02	ND	1.10E+04		3.36E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Butylbenzyl phthalate	ug/Kg	4.60E+02	ND	1.10E+04		4.18E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	UG/KG	5.20E+02	ND	1.10E+04		4.73E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Butylbenzyl phthalate	ug/Kg	6.90E+02	ND	1.10E+04		6.27E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	ug/Kg	7.60E+02	ND	1.10E+04		6.91E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Butylbenzyl phthalate	UG/KG	7.70E+02	ND	1.10E+04		7.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Butylbenzyl phthalate	UG/KG	8.00E+02	ND	1.10E+04		7.27E-02		none
SD	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	UG/KG	8.70E+02	ND	1.10E+04		7.91E-02		none
SD	CHANNEL	SWSW	SVOA	Butylbenzyl phthalate	ug/Kg	9.00E+02	ND	1.10E+04		8.18E-02		none
SD	CHANNEL	SD001	SVOA	Butylbenzyl phthalate	UG/KG	2.10E+03	ND	1.10E+04		1.91E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/kg	5.71E+01	ND	1.66E+02	1.29E+03	3.44E-01	4.43E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/kg	5.71E+01	ND	1.66E+02	1.29E+03	3.44E-01	4.43E-02	none
SD	CHANNEL	SWSW	SVOA	Chrysene	ug/kg	5.71E+01	ND	1.66E+02	1.29E+03	3.44E-01	4.43E-02	none
SD	CHANNEL	SD002200	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWSW	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SD002200	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWSW	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWSW	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWSW	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SD002200	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SD002200	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	UG/KG	7.60E+01	DET	1.66E+02	1.29E+03	4.58E-01	5.89E-02	none
SD	CHANNEL	SWNPDES1	SVOA	Chrysene	ug/Kg	9.30E+01	ND	1.66E+02	1.29E+03	5.60E-01	7.21E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/Kg	9.90E+01	ND	1.66E+02	1.29E+03	5.96E-01	7.67E-02	none
SD	CHANNEL	SD003	SVOA	Chrysene	UG/KG	1.50E+02	ND	1.66E+02	1.29E+03	9.04E-01	1.16E-01	none
SD	CHANNEL	SD001	SVOA	Chrysene	UG/KG	1.60E+02	ND	1.66E+02	1.29E+03	9.64E-01	1.24E-01	none
SD	CHANNEL	SD003	SVOA	Chrysene	UG/KG	1.90E+02	ND	1.66E+02	1.29E+03	1.14E+00	1.47E-01	poss-ND
SD	CHANNEL	SD005	SVOA	Chrysene	UG/KG	2.20E+02	ND	1.66E+02	1.29E+03	1.33E+00	1.71E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Chrysene	UG/KG	2.30E+02	ND	1.66E+02	1.29E+03	1.39E+00	1.78E-01	poss-ND
SD	CHANNEL	SD005	SVOA	Chrysene	UG/KG	2.50E+02	ND	1.66E+02	1.29E+03	1.51E+00	1.94E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Chrysene	ug/kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Chrysene	ug/Kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Chrysene	ug/Kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Chrysene	ug/kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/Kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/Kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/Kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/Kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Chrysene	ug/Kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Chrysene	ug/kg	3.30E+02	ND	1.66E+02	1.29E+03	1.99E+00	2.56E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Chrysene	UG/KG	3.70E+02	ND	1.66E+02	1.29E+03	2.23E+00	2.87E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Chrysene	UG/KG	4.20E+02	DET	1.66E+02	1.29E+03	2.53E+00	3.26E-01	poss-det
SD	CHANNEL	SWNPDES1	SVOA	Chrysene	ug/Kg	4.60E+02	ND	1.66E+02	1.29E+03	2.77E+00	3.57E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	UG/KG	4.90E+02	DET	1.66E+02	1.29E+03	2.95E+00	3.80E-01	poss-det
SD	CHANNEL	SWSW	SVOA	Chrysene	UG/KG	5.80E+02	DET	1.66E+02	1.29E+03	3.49E+00	4.50E-01	poss-det
SD	CHANNEL	SWNPDES3	SVOA	Chrysene	ug/Kg	6.90E+02	ND	1.66E+02	1.29E+03	4.16E+00	5.35E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Chrysene	ug/Kg	7.60E+02	ND	1.66E+02	1.29E+03	4.58E+00	5.89E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Chrysene	ug/Kg	9.00E+02	ND	1.66E+02	1.29E+03	5.42E+00	6.98E-01	poss-ND
SD	CHANNEL	SD001	SVOA	Chrysene	UG/KG	2.10E+03	ND	1.66E+02	1.29E+03	1.27E+01	1.63E+00	prob-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/kg	5.93E+01	ND	3.30E+01		1.80E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/kg	5.93E+01	ND	3.30E+01		1.80E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/kg	5.93E+01	ND	3.30E+01		1.80E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Dibenz(a,h)anthracene	ug/Kg	9.30E+01	ND	3.30E+01		2.82E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	UG/KG	9.70E+01	DET	3.30E+01		2.94E+00		poss-det
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/Kg	9.90E+01	ND	3.30E+01		3.00E+00		poss-ND
SD	CHANNEL	SD003	SVOA	Dibenz(a,h)anthracene	UG/KG	2.40E+02	ND	3.30E+01		7.27E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Dibenz(a,h)anthracene	UG/KG	2.60E+02	ND	3.30E+01		7.88E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD003	SVOA	Dibenz(a,h)anthracene	UG/KG	3.10E+02	ND	3.30E+01		9.39E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/Kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/Kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/Kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/Kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/Kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/Kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Dibenz(a,h)anthracene	ug/Kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/Kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/kg	3.30E+02	ND	3.30E+01		1.00E+01		poss-ND
SD	CHANNEL	SD005	SVOA	Dibenz(a,h)anthracene	UG/KG	3.50E+02	ND	3.30E+01		1.06E+01		poss-ND
SD	CHANNEL	SD004	SVOA	Dibenz(a,h)anthracene	UG/KG	3.70E+02	ND	3.30E+01		1.12E+01		poss-ND
SD	CHANNEL	SD005	SVOA	Dibenz(a,h)anthracene	UG/KG	4.00E+02	ND	3.30E+01		1.21E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Dibenz(a,h)anthracene	ug/Kg	4.60E+02	ND	3.30E+01		1.39E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	UG/KG	5.20E+02	ND	3.30E+01		1.58E+01		poss-ND
SD	CHANNEL	SD004	SVOA	Dibenz(a,h)anthracene	UG/KG	6.00E+02	ND	3.30E+01		1.82E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/kg	6.32E+02	DET	3.30E+01		1.92E+01		poss-det
SD	CHANNEL	SWNPDES3	SVOA	Dibenz(a,h)anthracene	ug/Kg	6.90E+02	ND	3.30E+01		2.09E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenz(a,h)anthracene	ug/Kg	7.60E+02	ND	3.30E+01		2.30E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Dibenz(a,h)anthracene	UG/KG	7.70E+02	ND	3.30E+01		2.33E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	UG/KG	8.70E+02	ND	3.30E+01		2.64E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Dibenz(a,h)anthracene	ug/Kg	9.00E+02	ND	3.30E+01		2.73E+01		poss-ND
SD	CHANNEL	SD001	SVOA	Dibenz(a,h)anthracene	UG/KG	3.40E+03	ND	3.30E+01		1.03E+02		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/kg	4.91E+01	ND	2.00E+03		2.45E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/kg	4.91E+01	ND	2.00E+03		2.45E-02		none
SD	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/kg	4.91E+01	ND	2.00E+03		2.45E-02		none
SD	CHANNEL	SD002200	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SD002200	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SD002200	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SD002200	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Dibenzofuran	ug/Kg	9.30E+01	ND	2.00E+03		4.65E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/Kg	9.90E+01	ND	2.00E+03		4.95E-02		none
SD	CHANNEL	SD003	SVOA	Dibenzofuran	UG/KG	1.80E+02	ND	2.00E+03		9.00E-02		none
SD	CHANNEL	SD005	SVOA	Dibenzofuran	UG/KG	2.60E+02	ND	2.00E+03		1.30E-01		none
SD	CHANNEL	SD004	SVOA	Dibenzofuran	UG/KG	2.80E+02	ND	2.00E+03		1.40E-01		none
SD	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/Kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/Kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/Kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/Kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/Kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/Kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Dibenzofuran	ug/Kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/Kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/kg	3.30E+02	ND	2.00E+03		1.65E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Dibenzofuran	ug/Kg	4.60E+02	ND	2.00E+03		2.30E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	UG/KG	5.20E+02	ND	2.00E+03		2.60E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dibenzofuran	ug/Kg	6.90E+02	ND	2.00E+03		3.45E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	ug/Kg	7.60E+02	ND	2.00E+03		3.80E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Dibenzofuran	UG/KG	7.70E+02	ND	2.00E+03		3.85E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dibenzofuran	UG/KG	8.00E+02	ND	2.00E+03		4.00E-01		none
SD	CHANNEL	SWSW	SVOA	Dibenzofuran	UG/KG	8.70E+02	ND	2.00E+03		4.35E-01		none
SD	CHANNEL	SWSW	SVOA	Dibenzofuran	ug/Kg	9.00E+02	ND	2.00E+03		4.50E-01		none
SD	CHANNEL	SD001	SVOA	Dibenzofuran	UG/KG	2.60E+03	ND	2.00E+03		1.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	ug/kg	5.72E+01	ND	6.30E+02		9.08E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	ug/kg	5.72E+01	ND	6.30E+02		9.08E-02		none
SD	CHANNEL	SWSW	SVOA	Diethylphthalate	ug/kg	5.72E+01	ND	6.30E+02		9.08E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Diethylphthalate	ug/Kg	9.30E+01	ND	6.30E+02		1.48E-01		none
SD	CHANNEL	SD002200	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SD002200	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SWSW	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SWSW	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SWSW	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SWSW	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SD002200	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SD002200	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	ug/Kg	9.90E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SD001	SVOA	Diethylphthalate	UG/KG	1.10E+02	ND	6.30E+02		1.75E-01		none
SD	CHANNEL	SD003	SVOA	Diethylphthalate	UG/KG	1.20E+02	ND	6.30E+02		1.90E-01		none
SD	CHANNEL	SD003	SVOA	Diethylphthalate	UG/KG	1.40E+02	ND	6.30E+02		2.22E-01		none
SD	CHANNEL	SD005	SVOA	Diethylphthalate	UG/KG	1.70E+02	ND	6.30E+02		2.70E-01		none
SD	CHANNEL	SD005	SVOA	Diethylphthalate	UG/KG	1.80E+02	ND	6.30E+02		2.86E-01		none
SD	CHANNEL	SD004	SVOA	Diethylphthalate	UG/KG	1.90E+02	ND	6.30E+02		3.02E-01		none
SD	CHANNEL	SD004	SVOA	Diethylphthalate	UG/KG	2.60E+02	ND	6.30E+02		4.13E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWSW	SVOA	Diethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWSW	SVOA	Diethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWSW	SVOA	Diethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWSW	SVOA	Diethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Diethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWSW	SVOA	Diethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Diethylphthalate	ug/Kg	4.60E+02	ND	6.30E+02		7.30E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	UG/KG	5.20E+02	ND	6.30E+02		8.25E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Diethylphthalate	ug/Kg	6.90E+02	ND	6.30E+02		1.10E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	ug/Kg	7.60E+02	ND	6.30E+02		1.21E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Diethylphthalate	UG/KG	7.70E+02	ND	6.30E+02		1.22E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Diethylphthalate	UG/KG	8.00E+02	ND	6.30E+02		1.27E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Diethylphthalate	UG/KG	8.70E+02	ND	6.30E+02		1.38E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Diethylphthalate	ug/Kg	9.00E+02	ND	6.30E+02		1.43E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Diethylphthalate	UG/KG	1.70E+03	ND	6.30E+02		2.70E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/kg	4.81E+01	ND	6.30E+02		7.63E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/kg	4.81E+01	ND	6.30E+02		7.63E-02		none
SD	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/kg	4.81E+01	ND	6.30E+02		7.63E-02		none
SD	CHANNEL	SD002200	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SD002200	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SD002200	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SD002200	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Dimethylphthalate	ug/Kg	9.30E+01	ND	6.30E+02		1.48E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/Kg	9.90E+01	ND	6.30E+02		1.57E-01		none
SD	CHANNEL	SD001	SVOA	Dimethylphthalate	UG/KG	1.10E+02	ND	6.30E+02		1.75E-01		none
SD	CHANNEL	SD003	SVOA	Dimethylphthalate	UG/KG	1.20E+02	ND	6.30E+02		1.90E-01		none
SD	CHANNEL	SD003	SVOA	Dimethylphthalate	UG/KG	1.40E+02	ND	6.30E+02		2.22E-01		none
SD	CHANNEL	SD005	SVOA	Dimethylphthalate	UG/KG	1.70E+02	ND	6.30E+02		2.70E-01		none
SD	CHANNEL	SD005	SVOA	Dimethylphthalate	UG/KG	1.80E+02	ND	6.30E+02		2.86E-01		none
SD	CHANNEL	SD004	SVOA	Dimethylphthalate	UG/KG	1.90E+02	ND	6.30E+02		3.02E-01		none
SD	CHANNEL	SD004	SVOA	Dimethylphthalate	UG/KG	2.60E+02	ND	6.30E+02		4.13E-01		none
SD	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Dimethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/Kg	3.30E+02	ND	6.30E+02		5.24E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/kg	3.30E+02	ND	6.30E+02		5.24E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Dimethylphthalate	ug/Kg	4.60E+02	ND	6.30E+02		7.30E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	UG/KG	5.20E+02	ND	6.30E+02		8.25E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Dimethylphthalate	ug/Kg	6.90E+02	ND	6.30E+02		1.10E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	ug/Kg	7.60E+02	ND	6.30E+02		1.21E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Dimethylphthalate	UG/KG	7.70E+02	ND	6.30E+02		1.22E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Dimethylphthalate	UG/KG	8.00E+02	ND	6.30E+02		1.27E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Dimethylphthalate	UG/KG	8.70E+02	ND	6.30E+02		1.38E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Dimethylphthalate	ug/Kg	9.00E+02	ND	6.30E+02		1.43E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Dimethylphthalate	UG/KG	1.70E+03	ND	6.30E+02		2.70E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SD002200	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SD002200	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SD002200	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/kg	8.43E+01	ND	1.10E+04		7.66E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/kg	8.43E+01	ND	1.10E+04		7.66E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/kg	8.43E+01	ND	1.10E+04		7.66E-03		none
SD	CHANNEL	SWNPDES1	SVOA	Di-n-butylphthalate	ug/Kg	9.30E+01	ND	1.10E+04		8.45E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/Kg	9.90E+01	ND	1.10E+04		9.00E-03		none
SD	CHANNEL	SD001	SVOA	Di-n-butylphthalate	UG/KG	1.10E+02	ND	1.10E+04		1.00E-02		none
SD	CHANNEL	SD003	SVOA	Di-n-butylphthalate	UG/KG	1.20E+02	ND	1.10E+04		1.09E-02		none
SD	CHANNEL	SD003	SVOA	Di-n-butylphthalate	UG/KG	1.40E+02	ND	1.10E+04		1.27E-02		none
SD	CHANNEL	SD005	SVOA	Di-n-butylphthalate	UG/KG	1.70E+02	ND	1.10E+04		1.55E-02		none
SD	CHANNEL	SD005	SVOA	Di-n-butylphthalate	UG/KG	1.80E+02	ND	1.10E+04		1.64E-02		none
SD	CHANNEL	SD004	SVOA	Di-n-butylphthalate	UG/KG	1.90E+02	ND	1.10E+04		1.73E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/kg	2.38E+02	DET	1.10E+04		2.16E-02		none
SD	CHANNEL	SD004	SVOA	Di-n-butylphthalate	UG/KG	2.60E+02	ND	1.10E+04		2.36E-02		none
SD	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Di-n-butylphthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/Kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/kg	3.30E+02	ND	1.10E+04		3.00E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Di-n-butylphthalate	ug/Kg	4.60E+02	ND	1.10E+04		4.18E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	UG/KG	5.20E+02	ND	1.10E+04		4.73E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-butylphthalate	ug/Kg	6.90E+02	ND	1.10E+04		6.27E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	ug/Kg	7.60E+02	ND	1.10E+04		6.91E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Di-n-butylphthalate	UG/KG	7.70E+02	ND	1.10E+04		7.00E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-butylphthalate	UG/KG	8.00E+02	ND	1.10E+04		7.27E-02		none
SD	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	UG/KG	8.70E+02	ND	1.10E+04		7.91E-02		none
SD	CHANNEL	SWSW	SVOA	Di-n-butylphthalate	ug/Kg	9.00E+02	ND	1.10E+04		8.18E-02		none
SD	CHANNEL	SD001	SVOA	Di-n-butylphthalate	UG/KG	1.70E+03	ND	1.10E+04		1.55E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/kg	5.44E+01	ND	4.06E+04		1.34E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/kg	5.44E+01	ND	4.06E+04		1.34E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/kg	5.44E+01	ND	4.06E+04		1.34E-03		none
SD	CHANNEL	SD002200	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SD002200	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SD002200	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SD002200	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	CHANNEL	SWNPDES1	SVOA	Di-n-octyl phthalate	ug/Kg	9.30E+01	ND	4.06E+04		2.29E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/Kg	9.90E+01	ND	4.06E+04		2.44E-03		none
SD	CHANNEL	SD003	SVOA	Di-n-octyl phthalate	UG/KG	2.10E+02	ND	4.06E+04		5.17E-03		none
SD	CHANNEL	SD001	SVOA	Di-n-octyl phthalate	UG/KG	2.30E+02	ND	4.06E+04		5.67E-03		none
SD	CHANNEL	SD003	SVOA	Di-n-octyl phthalate	UG/KG	2.70E+02	ND	4.06E+04		6.65E-03		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD005	SVOA	Di-n-octyl phthalate	UG/KG	3.10E+02	ND	4.06E+04		7.64E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/Kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SD004	SVOA	Di-n-octyl phthalate	UG/KG	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/Kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/Kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/Kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/Kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/Kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWNPDES1	SVOA	Di-n-octyl phthalate	ug/Kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/Kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/kg	3.30E+02	ND	4.06E+04		8.13E-03		none
SD	CHANNEL	SD005	SVOA	Di-n-octyl phthalate	UG/KG	3.50E+02	ND	4.06E+04		8.62E-03		none
SD	CHANNEL	SWNPDES1	SVOA	Di-n-octyl phthalate	ug/Kg	4.60E+02	ND	4.06E+04		1.13E-02		none
SD	CHANNEL	SD004	SVOA	Di-n-octyl phthalate	UG/KG	5.20E+02	ND	4.06E+04		1.28E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	UG/KG	5.20E+02	ND	4.06E+04		1.28E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Di-n-octyl phthalate	ug/Kg	6.90E+02	ND	4.06E+04		1.70E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	ug/Kg	7.60E+02	ND	4.06E+04		1.87E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Di-n-octyl phthalate	UG/KG	7.70E+02	ND	4.06E+04		1.90E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Di-n-octyl phthalate	UG/KG	8.00E+02	ND	4.06E+04		1.97E-02		none
SD	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	UG/KG	8.70E+02	ND	4.06E+04		2.14E-02		none
SD	CHANNEL	SWSW	SVOA	Di-n-octyl phthalate	ug/Kg	9.00E+02	ND	4.06E+04		2.22E-02		none
SD	CHANNEL	SD001	SVOA	Di-n-octyl phthalate	UG/KG	3.00E+03	ND	4.06E+04		7.39E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/kg	7.09E+01	ND	4.23E+02	2.23E+03	1.68E-01	3.18E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/kg	7.09E+01	ND	4.23E+02	2.23E+03	1.68E-01	3.18E-02	none
SD	CHANNEL	SWSW	SVOA	Fluoranthene	ug/kg	7.09E+01	ND	4.23E+02	2.23E+03	1.68E-01	3.18E-02	none
SD	CHANNEL	SWSW	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SD002200	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SD002200	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SWSW	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SWSW	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SWSW	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SD002200	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SD002200	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	CHANNEL	SWNPDES1	SVOA	Fluoranthene	ug/Kg	9.30E+01	ND	4.23E+02	2.23E+03	2.20E-01	4.17E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/Kg	9.90E+01	ND	4.23E+02	2.23E+03	2.34E-01	4.44E-02	none
SD	CHANNEL	SD001	SVOA	Fluoranthene	UG/KG	1.10E+02	ND	4.23E+02	2.23E+03	2.60E-01	4.93E-02	none
SD	CHANNEL	SD003	SVOA	Fluoranthene	UG/KG	1.20E+02	ND	4.23E+02	2.23E+03	2.84E-01	5.38E-02	none
SD	CHANNEL	SD003	SVOA	Fluoranthene	UG/KG	1.40E+02	ND	4.23E+02	2.23E+03	3.31E-01	6.28E-02	none
SD	CHANNEL	SD005	SVOA	Fluoranthene	UG/KG	1.70E+02	ND	4.23E+02	2.23E+03	4.02E-01	7.62E-02	none
SD	CHANNEL	SD005	SVOA	Fluoranthene	UG/KG	1.80E+02	ND	4.23E+02	2.23E+03	4.26E-01	8.07E-02	none
SD	CHANNEL	SD004	SVOA	Fluoranthene	UG/KG	1.90E+02	ND	4.23E+02	2.23E+03	4.49E-01	8.52E-02	none
SD	CHANNEL	SD004	SVOA	Fluoranthene	UG/KG	2.60E+02	ND	4.23E+02	2.23E+03	6.15E-01	1.17E-01	none
SD	CHANNEL	SWSW	SVOA	Fluoranthene	ug/kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWSW	SVOA	Fluoranthene	ug/Kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWSW	SVOA	Fluoranthene	ug/Kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWSW	SVOA	Fluoranthene	ug/kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/Kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/Kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/Kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/Kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/Kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES1	SVOA	Fluoranthene	ug/Kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWSW	SVOA	Fluoranthene	ug/kg	3.30E+02	ND	4.23E+02	2.23E+03	7.80E-01	1.48E-01	none
SD	CHANNEL	SWNPDES1	SVOA	Fluoranthene	ug/Kg	4.60E+02	ND	4.23E+02	2.23E+03	1.09E+00	2.06E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	UG/KG	5.20E+02	ND	4.23E+02	2.23E+03	1.23E+00	2.33E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluoranthene	ug/Kg	6.90E+02	ND	4.23E+02	2.23E+03	1.63E+00	3.09E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	ug/Kg	7.60E+02	ND	4.23E+02	2.23E+03	1.80E+00	3.41E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Fluoranthene	UG/KG	7.70E+02	ND	4.23E+02	2.23E+03	1.82E+00	3.45E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluoranthene	UG/KG	8.00E+02	ND	4.23E+02	2.23E+03	1.89E+00	3.59E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Fluoranthene	UG/KG	8.70E+02	ND	4.23E+02	2.23E+03	2.06E+00	3.90E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Fluoranthene	ug/Kg	9.00E+02	ND	4.23E+02	2.23E+03	2.13E+00	4.04E-01	poss-ND
SD	CHANNEL	SD001	SVOA	Fluoranthene	UG/KG	1.70E+03	ND	4.23E+02	2.23E+03	4.02E+00	7.62E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/kg	4.41E+01	ND	7.74E+01	5.36E+02	5.70E-01	8.23E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/kg	4.41E+01	ND	7.74E+01	5.36E+02	5.70E-01	8.23E-02	none
SD	CHANNEL	SWSW	SVOA	Fluorene	ug/kg	4.41E+01	ND	7.74E+01	5.36E+02	5.70E-01	8.23E-02	none
SD	CHANNEL	SD002200	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SD002200	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SD002200	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SD002200	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Fluorene	ug/Kg	9.30E+01	ND	7.74E+01	5.36E+02	1.20E+00	1.74E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/Kg	9.90E+01	ND	7.74E+01	5.36E+02	1.28E+00	1.85E-01	poss-ND
SD	CHANNEL	SD001	SVOA	Fluorene	UG/KG	1.10E+02	ND	7.74E+01	5.36E+02	1.42E+00	2.05E-01	poss-ND
SD	CHANNEL	SD003	SVOA	Fluorene	UG/KG	1.20E+02	ND	7.74E+01	5.36E+02	1.55E+00	2.24E-01	poss-ND
SD	CHANNEL	SD003	SVOA	Fluorene	UG/KG	1.40E+02	ND	7.74E+01	5.36E+02	1.81E+00	2.61E-01	poss-ND
SD	CHANNEL	SD005	SVOA	Fluorene	UG/KG	1.70E+02	ND	7.74E+01	5.36E+02	2.20E+00	3.17E-01	poss-ND
SD	CHANNEL	SD005	SVOA	Fluorene	UG/KG	1.80E+02	ND	7.74E+01	5.36E+02	2.33E+00	3.36E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Fluorene	UG/KG	1.90E+02	ND	7.74E+01	5.36E+02	2.45E+00	3.54E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Fluorene	UG/KG	2.60E+02	ND	7.74E+01	5.36E+02	3.36E+00	4.85E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Fluorene	ug/kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Fluorene	ug/kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Fluorene	ug/kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/Kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/Kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/Kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Fluorene	ug/Kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Fluorene	ug/Kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/Kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Fluorene	ug/kg	3.30E+02	ND	7.74E+01	5.36E+02	4.26E+00	6.16E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Fluorene	ug/Kg	4.60E+02	ND	7.74E+01	5.36E+02	5.94E+00	8.58E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	UG/KG	5.20E+02	ND	7.74E+01	5.36E+02	6.72E+00	9.70E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Fluorene	ug/Kg	6.90E+02	ND	7.74E+01	5.36E+02	8.91E+00	1.29E+00	prob-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	ug/Kg	7.60E+02	ND	7.74E+01	5.36E+02	9.82E+00	1.42E+00	prob-ND
SD	CHANNEL	SWNPDES1	SVOA	Fluorene	UG/KG	7.70E+02	ND	7.74E+01	5.36E+02	9.95E+00	1.44E+00	prob-ND
SD	CHANNEL	SWNPDES2	SVOA	Fluorene	UG/KG	8.00E+02	ND	7.74E+01	5.36E+02	1.03E+01	1.49E+00	prob-ND
SD	CHANNEL	SWSW	SVOA	Fluorene	UG/KG	8.70E+02	ND	7.74E+01	5.36E+02	1.12E+01	1.62E+00	prob-ND
SD	CHANNEL	SWSW	SVOA	Fluorene	ug/Kg	9.00E+02	ND	7.74E+01	5.36E+02	1.16E+01	1.68E+00	prob-ND
SD	CHANNEL	SD001	SVOA	Fluorene	UG/KG	1.70E+03	ND	7.74E+01	5.36E+02	2.20E+01	3.17E+00	prob-ND
SD	CHANNEL	SD002200	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorobenzene	ug/Kg	9.30E+01	ND	2.00E+01		4.65E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/Kg	9.90E+01	ND	2.00E+01		4.95E+00		poss-ND
SD	CHANNEL	SD003	SVOA	Hexachlorobenzene	UG/KG	1.50E+02	ND	2.00E+01		7.50E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Hexachlorobenzene	UG/KG	1.60E+02	ND	2.00E+01		8.00E+00		poss-ND
SD	CHANNEL	SD003	SVOA	Hexachlorobenzene	UG/KG	1.90E+02	ND	2.00E+01		9.50E+00		poss-ND
SD	CHANNEL	SD005	SVOA	Hexachlorobenzene	UG/KG	2.20E+02	ND	2.00E+01		1.10E+01		poss-ND
SD	CHANNEL	SD004	SVOA	Hexachlorobenzene	UG/KG	2.30E+02	ND	2.00E+01		1.15E+01		poss-ND
SD	CHANNEL	SD005	SVOA	Hexachlorobenzene	UG/KG	2.50E+02	ND	2.00E+01		1.25E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/Kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/Kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/Kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/Kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/Kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorobenzene	ug/Kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/Kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/kg	3.30E+02	ND	2.00E+01		1.65E+01		poss-ND
SD	CHANNEL	SD004	SVOA	Hexachlorobenzene	UG/KG	3.70E+02	ND	2.00E+01		1.85E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorobenzene	ug/Kg	4.60E+02	ND	2.00E+01		2.30E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	UG/KG	5.20E+02	ND	2.00E+01		2.60E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobenzene	ug/Kg	6.90E+02	ND	2.00E+01		3.45E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	ug/Kg	7.60E+02	ND	2.00E+01		3.80E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorobenzene	UG/KG	7.70E+02	ND	2.00E+01		3.85E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobenzene	UG/KG	8.00E+02	ND	2.00E+01		4.00E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobenzene	UG/KG	8.70E+02	ND	2.00E+01		4.35E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobenzene	ug/Kg	9.00E+02	ND	2.00E+01		4.50E+01		poss-ND
SD	CHANNEL	SD001	SVOA	Hexachlorobenzene	UG/KG	2.10E+03	ND	2.00E+01		1.05E+02		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/kg	7.20E+00	ND	2.65E+01		2.72E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorobutadiene	ug/kg	8.90E+00	ND	2.65E+01		3.36E-01		none
SD	CHANNEL	SD002200	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorobutadiene	ug/Kg	1.90E+02	ND	2.65E+01		7.17E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/Kg	2.00E+02	ND	2.65E+01		7.55E+00		poss-ND
SD	CHANNEL	SD003	SVOA	Hexachlorobutadiene	UG/KG	2.10E+02	ND	2.65E+01		7.92E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Hexachlorobutadiene	UG/KG	2.30E+02	ND	2.65E+01		8.68E+00		poss-ND
SD	CHANNEL	SD003	SVOA	Hexachlorobutadiene	UG/KG	2.70E+02	ND	2.65E+01		1.02E+01		poss-ND
SD	CHANNEL	SD005	SVOA	Hexachlorobutadiene	UG/KG	3.10E+02	ND	2.65E+01		1.17E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SD004	SVOA	Hexachlorobutadiene	UG/KG	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/Kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/Kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/Kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/Kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/Kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/Kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorobutadiene	ug/Kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/Kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/kg	3.30E+02	ND	2.65E+01		1.25E+01		poss-ND
SD	CHANNEL	SD005	SVOA	Hexachlorobutadiene	UG/KG	3.50E+02	ND	2.65E+01		1.32E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorobutadiene	ug/Kg	4.60E+02	ND	2.65E+01		1.74E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	UG/KG	5.20E+02	ND	2.65E+01		1.96E+01		poss-ND
SD	CHANNEL	SD004	SVOA	Hexachlorobutadiene	UG/KG	5.20E+02	ND	2.65E+01		1.96E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorobutadiene	ug/Kg	6.90E+02	ND	2.65E+01		2.60E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	ug/Kg	7.60E+02	ND	2.65E+01		2.87E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorobutadiene	UG/KG	7.70E+02	ND	2.65E+01		2.91E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorobutadiene	UG/KG	8.00E+02	ND	2.65E+01		3.02E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	UG/KG	8.70E+02	ND	2.65E+01		3.28E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachlorobutadiene	ug/Kg	9.00E+02	ND	2.65E+01		3.40E+01		poss-ND
SD	CHANNEL	SD001	SVOA	Hexachlorobutadiene	UG/KG	3.00E+03	ND	2.65E+01		1.13E+02		poss-ND
SD	CHANNEL	SD002200	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SD002200	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SD002200	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SD002200	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/kg	1.09E+02	ND	9.01E+02		1.21E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/kg	1.09E+02	ND	9.01E+02		1.21E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/kg	1.09E+02	ND	9.01E+02		1.21E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/Kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/Kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/Kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/Kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/Kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/Kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorocyclopentadiene	ug/Kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/Kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/kg	3.30E+02	ND	9.01E+02		3.66E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorocyclopentadiene	ug/Kg	4.60E+02	ND	9.01E+02		5.11E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorocyclopentadiene	ug/Kg	4.70E+02	ND	9.01E+02		5.22E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/Kg	4.90E+02	ND	9.01E+02		5.44E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	UG/KG	5.20E+02	ND	9.01E+02		5.77E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachlorocyclopentadiene	ug/Kg	6.90E+02	ND	9.01E+02		7.66E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	ug/Kg	7.60E+02	ND	9.01E+02		8.44E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Hexachlorocyclopentadiene	UG/KG	7.70E+02	ND	9.01E+02		8.55E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachlorocyclopentadiene	UG/KG	8.00E+02	ND	9.01E+02		8.88E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	UG/KG	8.70E+02	ND	9.01E+02		9.66E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachlorocyclopentadiene	ug/Kg	9.00E+02	ND	9.01E+02		9.99E-01		none
SD	CHANNEL	SD003	SVOA	Hexachlorocyclopentadiene	UG/KG	1.50E+03	ND	9.01E+02		1.66E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Hexachlorocyclopentadiene	UG/KG	1.60E+03	ND	9.01E+02		1.78E+00		poss-ND
SD	CHANNEL	SD003	SVOA	Hexachlorocyclopentadiene	UG/KG	1.90E+03	ND	9.01E+02		2.11E+00		poss-ND
SD	CHANNEL	SD005	SVOA	Hexachlorocyclopentadiene	UG/KG	2.20E+03	ND	9.01E+02		2.44E+00		poss-ND
SD	CHANNEL	SD004	SVOA	Hexachlorocyclopentadiene	UG/KG	2.30E+03	ND	9.01E+02		2.55E+00		poss-ND
SD	CHANNEL	SD005	SVOA	Hexachlorocyclopentadiene	UG/KG	2.50E+03	ND	9.01E+02		2.77E+00		poss-ND
SD	CHANNEL	SD004	SVOA	Hexachlorocyclopentadiene	UG/KG	3.70E+03	ND	9.01E+02		4.11E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Hexachlorocyclopentadiene	UG/KG	2.10E+04	ND	9.01E+02		2.33E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SD002200	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SD002200	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SD002200	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SD002200	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	CHANNEL	SD003	SVOA	Hexachloroethane	UG/KG	1.50E+02	ND	1.00E+03		1.50E-01		none
SD	CHANNEL	SD001	SVOA	Hexachloroethane	UG/KG	1.60E+02	ND	1.00E+03		1.60E-01		none
SD	CHANNEL	SD003	SVOA	Hexachloroethane	UG/KG	1.90E+02	ND	1.00E+03		1.90E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Hexachloroethane	ug/Kg	1.90E+02	ND	1.00E+03		1.90E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/Kg	2.00E+02	ND	1.00E+03		2.00E-01		none
SD	CHANNEL	SD005	SVOA	Hexachloroethane	UG/KG	2.20E+02	ND	1.00E+03		2.20E-01		none
SD	CHANNEL	SD004	SVOA	Hexachloroethane	UG/KG	2.30E+02	ND	1.00E+03		2.30E-01		none
SD	CHANNEL	SD005	SVOA	Hexachloroethane	UG/KG	2.50E+02	ND	1.00E+03		2.50E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/Kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/Kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/Kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/Kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/Kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/Kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Hexachloroethane	ug/Kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/Kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/kg	3.30E+02	ND	1.00E+03		3.30E-01		none
SD	CHANNEL	SD004	SVOA	Hexachloroethane	UG/KG	3.70E+02	ND	1.00E+03		3.70E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Hexachloroethane	ug/Kg	4.60E+02	ND	1.00E+03		4.60E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	UG/KG	5.20E+02	ND	1.00E+03		5.20E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Hexachloroethane	ug/Kg	6.90E+02	ND	1.00E+03		6.90E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	ug/Kg	7.60E+02	ND	1.00E+03		7.60E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Hexachloroethane	UG/KG	7.70E+02	ND	1.00E+03		7.70E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Hexachloroethane	UG/KG	8.00E+02	ND	1.00E+03		8.00E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachloroethane	UG/KG	8.70E+02	ND	1.00E+03		8.70E-01		none
SD	CHANNEL	SWSW	SVOA	Hexachloroethane	ug/Kg	9.00E+02	ND	1.00E+03		9.00E-01		none
SD	CHANNEL	SD001	SVOA	Hexachloroethane	UG/KG	2.10E+03	ND	1.00E+03		2.10E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	5.66E+01	ND	7.80E+01	8.37E+02	7.26E-01	6.76E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	5.66E+01	ND	7.80E+01	8.37E+02	7.26E-01	6.76E-02	none
SD	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	5.66E+01	ND	7.80E+01	8.37E+02	7.26E-01	6.76E-02	none
SD	CHANNEL	SD002200	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SD002200	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SD002200	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SD002200	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	CHANNEL	SWNPDES1	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	9.30E+01	ND	7.80E+01	8.37E+02	1.19E+00	1.11E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	9.90E+01	ND	7.80E+01	8.37E+02	1.27E+00	1.18E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	UG/KG	1.30E+02	DET	7.80E+01	8.37E+02	1.67E+00	1.55E-01	poss-det
SD	CHANNEL	SD003	SVOA	Indeno(1,2,3-CD)pyrene	UG/KG	2.40E+02	ND	7.80E+01	8.37E+02	3.08E+00	2.87E-01	poss-ND
SD	CHANNEL	SD001	SVOA	Indeno(1,2,3-CD)pyrene	UG/KG	2.60E+02	ND	7.80E+01	8.37E+02	3.33E+00	3.11E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	UG/KG	2.70E+02	DET	7.80E+01	8.37E+02	3.46E+00	3.23E-01	poss-det
SD	CHANNEL	SD003	SVOA	Indeno(1,2,3-CD)pyrene	UG/KG	3.10E+02	ND	7.80E+01	8.37E+02	3.97E+00	3.71E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	3.30E+02	ND	7.80E+01	8.37E+02	4.23E+00	3.94E-01	poss-ND
SD	CHANNEL	SD005	SVOA	Indeno(1,2,3-CD)pyrene	UG/KG	3.50E+02	ND	7.80E+01	8.37E+02	4.49E+00	4.18E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Indeno(1,2,3-CD)pyrene	UG/KG	3.70E+02	ND	7.80E+01	8.37E+02	4.74E+00	4.42E-01	poss-ND
SD	CHANNEL	SD005	SVOA	Indeno(1,2,3-CD)pyrene	UG/KG	4.00E+02	ND	7.80E+01	8.37E+02	5.13E+00	4.78E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	4.60E+02	ND	7.80E+01	8.37E+02	5.90E+00	5.50E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	UG/KG	5.20E+02	ND	7.80E+01	8.37E+02	6.67E+00	6.22E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Indeno(1,2,3-CD)pyrene	UG/KG	6.00E+02	ND	7.80E+01	8.37E+02	7.69E+00	7.17E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	6.90E+02	ND	7.80E+01	8.37E+02	8.85E+00	8.25E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	7.60E+02	ND	7.80E+01	8.37E+02	9.74E+00	9.08E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Indeno(1,2,3-CD)pyrene	UG/KG	7.70E+02	ND	7.80E+01	8.37E+02	9.87E+00	9.20E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Indeno(1,2,3-CD)pyrene	ug/Kg	9.00E+02	ND	7.80E+01	8.37E+02	1.15E+01	1.08E+00	prob-ND
SD	CHANNEL	SWNPDES2	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	1.26E+03	DET	7.80E+01	8.37E+02	1.62E+01	1.51E+00	prob-det
SD	CHANNEL	SD001	SVOA	Indeno(1,2,3-CD)pyrene	UG/KG	3.40E+03	ND	7.80E+01	8.37E+02	4.36E+01	4.06E+00	prob-ND
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	ug/kg	6.68E+01	ND	4.32E+02		1.55E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	ug/kg	6.68E+01	ND	4.32E+02		1.55E-01		none
SD	CHANNEL	SWSW	SVOA	Isophorone	ug/kg	6.68E+01	ND	4.32E+02		1.55E-01		none
SD	CHANNEL	SD002200	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWSW	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SD002200	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWSW	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWSW	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWSW	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SD002200	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SD002200	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Isophorone	ug/Kg	9.30E+01	ND	4.32E+02		2.15E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	ug/Kg	9.90E+01	ND	4.32E+02		2.29E-01		none
SD	CHANNEL	SD001	SVOA	Isophorone	UG/KG	1.10E+02	ND	4.32E+02		2.55E-01		none
SD	CHANNEL	SD003	SVOA	Isophorone	UG/KG	1.20E+02	ND	4.32E+02		2.78E-01		none
SD	CHANNEL	SD003	SVOA	Isophorone	UG/KG	1.40E+02	ND	4.32E+02		3.24E-01		none
SD	CHANNEL	SD005	SVOA	Isophorone	UG/KG	1.70E+02	ND	4.32E+02		3.94E-01		none
SD	CHANNEL	SD005	SVOA	Isophorone	UG/KG	1.80E+02	ND	4.32E+02		4.17E-01		none
SD	CHANNEL	SD004	SVOA	Isophorone	UG/KG	1.90E+02	ND	4.32E+02		4.40E-01		none
SD	CHANNEL	SD004	SVOA	Isophorone	UG/KG	2.60E+02	ND	4.32E+02		6.02E-01		none
SD	CHANNEL	SWSW	SVOA	Isophorone	ug/Kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWSW	SVOA	Isophorone	ug/kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	ug/kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWSW	SVOA	Isophorone	ug/Kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWSW	SVOA	Isophorone	ug/kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	ug/Kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	ug/Kg	3.30E+02	ND	4.32E+02		7.64E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	ug/kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	ug/kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	ug/kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	ug/Kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	ug/Kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	ug/kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Isophorone	ug/Kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	ug/Kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	ug/kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWSW	SVOA	Isophorone	ug/kg	3.30E+02	ND	4.32E+02		7.64E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Isophorone	ug/Kg	4.60E+02	ND	4.32E+02		1.06E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	UG/KG	5.20E+02	ND	4.32E+02		1.20E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Isophorone	ug/Kg	6.90E+02	ND	4.32E+02		1.60E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	ug/Kg	7.60E+02	ND	4.32E+02		1.76E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Isophorone	UG/KG	7.70E+02	ND	4.32E+02		1.78E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Isophorone	UG/KG	8.00E+02	ND	4.32E+02		1.85E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Isophorone	UG/KG	8.70E+02	ND	4.32E+02		2.01E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Isophorone	ug/Kg	9.00E+02	ND	4.32E+02		2.08E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Isophorone	UG/KG	1.70E+03	ND	4.32E+02		3.94E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/kg	7.20E+00	ND	1.76E+02	5.61E+02	4.09E-02	1.28E-02	none
SD	CHANNEL	SWNPDES1	SVOA	Naphthalene	ug/kg	8.90E+00	ND	1.76E+02	5.61E+02	5.06E-02	1.59E-02	none
SD	CHANNEL	SD002200	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SD002200	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWSW	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWSW	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWSW	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWSW	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SD002200	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SD002200	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	CHANNEL	SWNPDES1	SVOA	Naphthalene	ug/Kg	9.30E+01	ND	1.76E+02	5.61E+02	5.28E-01	1.66E-01	none
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/Kg	9.90E+01	ND	1.76E+02	5.61E+02	5.63E-01	1.76E-01	none
SD	CHANNEL	SD001	SVOA	Naphthalene	UG/KG	1.10E+02	ND	1.76E+02	5.61E+02	6.25E-01	1.96E-01	none
SD	CHANNEL	SD003	SVOA	Naphthalene	UG/KG	1.20E+02	ND	1.76E+02	5.61E+02	6.82E-01	2.14E-01	none
SD	CHANNEL	SD003	SVOA	Naphthalene	UG/KG	1.40E+02	ND	1.76E+02	5.61E+02	7.95E-01	2.50E-01	none
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/kg	1.65E+02	ND	1.76E+02	5.61E+02	9.38E-01	2.94E-01	none
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/kg	1.65E+02	ND	1.76E+02	5.61E+02	9.38E-01	2.94E-01	none
SD	CHANNEL	SWSW	SVOA	Naphthalene	ug/kg	1.65E+02	ND	1.76E+02	5.61E+02	9.38E-01	2.94E-01	none
SD	CHANNEL	SD005	SVOA	Naphthalene	UG/KG	1.70E+02	ND	1.76E+02	5.61E+02	9.66E-01	3.03E-01	none
SD	CHANNEL	SD005	SVOA	Naphthalene	UG/KG	1.80E+02	ND	1.76E+02	5.61E+02	1.02E+00	3.21E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Naphthalene	UG/KG	1.90E+02	ND	1.76E+02	5.61E+02	1.08E+00	3.39E-01	poss-ND
SD	CHANNEL	SD004	SVOA	Naphthalene	UG/KG	2.60E+02	ND	1.76E+02	5.61E+02	1.48E+00	4.63E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Naphthalene	ug/kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Naphthalene	ug/Kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Naphthalene	ug/kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/Kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/Kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/Kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/Kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Naphthalene	ug/Kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/Kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Naphthalene	ug/Kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/Kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Naphthalene	ug/kg	3.30E+02	ND	1.76E+02	5.61E+02	1.88E+00	5.88E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Naphthalene	ug/Kg	4.60E+02	ND	1.76E+02	5.61E+02	2.61E+00	8.20E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	UG/KG	5.20E+02	ND	1.76E+02	5.61E+02	2.95E+00	9.27E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Naphthalene	ug/Kg	6.90E+02	ND	1.76E+02	5.61E+02	3.92E+00	1.23E+00	prob-ND
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	ug/Kg	7.60E+02	ND	1.76E+02	5.61E+02	4.32E+00	1.35E+00	prob-ND
SD	CHANNEL	SWNPDES1	SVOA	Naphthalene	UG/KG	7.70E+02	ND	1.76E+02	5.61E+02	4.38E+00	1.37E+00	prob-ND
SD	CHANNEL	SWNPDES2	SVOA	Naphthalene	UG/KG	8.00E+02	ND	1.76E+02	5.61E+02	4.55E+00	1.43E+00	prob-ND
SD	CHANNEL	SWSW	SVOA	Naphthalene	UG/KG	8.70E+02	ND	1.76E+02	5.61E+02	4.94E+00	1.55E+00	prob-ND
SD	CHANNEL	SWSW	SVOA	Naphthalene	ug/Kg	9.00E+02	ND	1.76E+02	5.61E+02	5.11E+00	1.60E+00	prob-ND
SD	CHANNEL	SD001	SVOA	Naphthalene	UG/KG	1.70E+03	ND	1.76E+02	5.61E+02	9.66E+00	3.03E+00	prob-ND
SD	CHANNEL	SD002200	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWSW	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SD002200	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWSW	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWSW	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWSW	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SD002200	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD002200	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Nitrobenzene	ug/Kg	9.30E+01	ND	1.45E+02		6.41E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	ug/Kg	9.90E+01	ND	1.45E+02		6.83E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	ug/kg	1.09E+02	ND	1.45E+02		7.51E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	ug/kg	1.09E+02	ND	1.45E+02		7.51E-01		none
SD	CHANNEL	SWSW	SVOA	Nitrobenzene	ug/kg	1.09E+02	ND	1.45E+02		7.51E-01		none
SD	CHANNEL	SD001	SVOA	Nitrobenzene	UG/KG	1.10E+02	ND	1.45E+02		7.59E-01		none
SD	CHANNEL	SD003	SVOA	Nitrobenzene	UG/KG	1.20E+02	ND	1.45E+02		8.28E-01		none
SD	CHANNEL	SD003	SVOA	Nitrobenzene	UG/KG	1.40E+02	ND	1.45E+02		9.66E-01		none
SD	CHANNEL	SD005	SVOA	Nitrobenzene	UG/KG	1.70E+02	ND	1.45E+02		1.17E+00		poss-ND
SD	CHANNEL	SD005	SVOA	Nitrobenzene	UG/KG	1.80E+02	ND	1.45E+02		1.24E+00		poss-ND
SD	CHANNEL	SD004	SVOA	Nitrobenzene	UG/KG	1.90E+02	ND	1.45E+02		1.31E+00		poss-ND
SD	CHANNEL	SD004	SVOA	Nitrobenzene	UG/KG	2.60E+02	ND	1.45E+02		1.79E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Nitrobenzene	ug/Kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	ug/kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Nitrobenzene	ug/kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Nitrobenzene	ug/Kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	ug/Kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	ug/kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	ug/kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	ug/Kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	ug/Kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	ug/Kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	ug/kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Nitrobenzene	ug/kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	ug/kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Nitrobenzene	ug/Kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	ug/Kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	ug/kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Nitrobenzene	ug/kg	3.30E+02	ND	1.45E+02		2.28E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Nitrobenzene	ug/kg	4.60E+02	ND	1.45E+02		3.17E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	UG/KG	5.20E+02	ND	1.45E+02		3.59E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Nitrobenzene	ug/Kg	6.90E+02	ND	1.45E+02		4.76E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	ug/Kg	7.60E+02	ND	1.45E+02		5.24E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Nitrobenzene	UG/KG	7.70E+02	ND	1.45E+02		5.31E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Nitrobenzene	UG/KG	8.00E+02	ND	1.45E+02		5.52E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Nitrobenzene	UG/KG	8.70E+02	ND	1.45E+02		6.00E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Nitrobenzene	ug/Kg	9.00E+02	ND	1.45E+02		6.21E+00		poss-ND
SD	CHANNEL	SD001	SVOA	Nitrobenzene	UG/KG	1.70E+03	ND	1.45E+02		1.17E+01		poss-ND
SD	CHANNEL	SD002200	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SD002200	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SD002200	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SD002200	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	CHANNEL	SWNPDES1	SVOA	Pentachlorophenol	ug/Kg	4.70E+02	ND	2.30E+03		2.04E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/Kg	4.90E+02	ND	2.30E+03		2.13E-01		none
SD	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/kg	1.60E+03	ND	2.30E+03		6.96E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/kg	1.60E+03	ND	2.30E+03		6.96E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/kg	1.60E+03	ND	2.30E+03		6.96E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/kg	1.60E+03	ND	2.30E+03		6.96E-01		none
SD	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/kg	1.60E+03	ND	2.30E+03		6.96E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/kg	1.60E+03	ND	2.30E+03		6.96E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/kg	1.60E+03	ND	2.30E+03		6.96E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/kg	1.60E+03	ND	2.30E+03		6.96E-01		none
SD	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/kg	1.60E+03	ND	2.30E+03		6.96E-01		none
SD	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/Kg	1.65E+03	ND	2.30E+03		7.17E-01		none
SD	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/Kg	1.65E+03	ND	2.30E+03		7.17E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/Kg	1.65E+03	ND	2.30E+03		7.17E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/Kg	1.65E+03	ND	2.30E+03		7.17E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/Kg	1.65E+03	ND	2.30E+03		7.17E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/Kg	1.65E+03	ND	2.30E+03		7.17E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Pentachlorophenol	ug/Kg	1.65E+03	ND	2.30E+03		7.17E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/Kg	1.65E+03	ND	2.30E+03		7.17E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/Kg	1.65E+03	ND	2.30E+03		7.17E-01		none
SD	CHANNEL	SWNPDES1	SVOA	Pentachlorophenol	ug/Kg	2.31E+03	ND	2.30E+03		1.00E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	UG/KG	2.50E+03	ND	2.30E+03		1.09E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pentachlorophenol	ug/Kg	3.45E+03	ND	2.30E+03		1.50E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Pentachlorophenol	UG/KG	3.80E+03	ND	2.30E+03		1.65E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	ug/Kg	3.81E+03	ND	2.30E+03		1.66E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pentachlorophenol	UG/KG	3.90E+03	ND	2.30E+03		1.70E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Pentachlorophenol	ug/Kg	4.52E+03	ND	2.30E+03		1.97E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/kg	4.81E+01	ND	2.04E+02	1.17E+03	2.36E-01	4.11E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/kg	4.81E+01	ND	2.04E+02	1.17E+03	2.36E-01	4.11E-02	none
SD	CHANNEL	SWSW	SVOA	Phenanthrene	ug/kg	4.81E+01	ND	2.04E+02	1.17E+03	2.36E-01	4.11E-02	none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD002200	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SD002200	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWSW	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWSW	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWSW	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWSW	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SD002200	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SD002200	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	CHANNEL	SWSW	SVOA	Phenanthrene	UG/KG	8.70E+01	DET	2.04E+02	1.17E+03	4.26E-01	7.44E-02	none
SD	CHANNEL	SWNPDES1	SVOA	Phenanthrene	ug/Kg	9.30E+01	ND	2.04E+02	1.17E+03	4.56E-01	7.95E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/Kg	9.90E+01	ND	2.04E+02	1.17E+03	4.85E-01	8.46E-02	none
SD	CHANNEL	SD001	SVOA	Phenanthrene	UG/KG	1.10E+02	ND	2.04E+02	1.17E+03	5.39E-01	9.40E-02	none
SD	CHANNEL	SD003	SVOA	Phenanthrene	UG/KG	1.20E+02	ND	2.04E+02	1.17E+03	5.88E-01	1.03E-01	none
SD	CHANNEL	SD003	SVOA	Phenanthrene	UG/KG	1.40E+02	ND	2.04E+02	1.17E+03	6.86E-01	1.20E-01	none
SD	CHANNEL	SD005	SVOA	Phenanthrene	UG/KG	1.70E+02	ND	2.04E+02	1.17E+03	8.33E-01	1.45E-01	none
SD	CHANNEL	SD005	SVOA	Phenanthrene	UG/KG	1.80E+02	ND	2.04E+02	1.17E+03	8.82E-01	1.54E-01	none
SD	CHANNEL	SD004	SVOA	Phenanthrene	UG/KG	1.90E+02	ND	2.04E+02	1.17E+03	9.31E-01	1.62E-01	none
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	UG/KG	1.90E+02	DET	2.04E+02	1.17E+03	9.31E-01	1.62E-01	none
SD	CHANNEL	SD004	SVOA	Phenanthrene	UG/KG	2.60E+02	ND	2.04E+02	1.17E+03	1.27E+00	2.22E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Phenanthrene	ug/Kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Phenanthrene	ug/kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Phenanthrene	ug/Kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Phenanthrene	ug/kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/Kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/Kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/Kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/Kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/Kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Phenanthrene	ug/Kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Phenanthrene	ug/kg	3.30E+02	ND	2.04E+02	1.17E+03	1.62E+00	2.82E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Phenanthrene	ug/Kg	4.60E+02	ND	2.04E+02	1.17E+03	2.25E+00	3.93E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	UG/KG	5.20E+02	ND	2.04E+02	1.17E+03	2.55E+00	4.44E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenanthrene	ug/Kg	6.90E+02	ND	2.04E+02	1.17E+03	3.38E+00	5.90E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenanthrene	ug/Kg	7.60E+02	ND	2.04E+02	1.17E+03	3.73E+00	6.50E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Phenanthrene	UG/KG	7.70E+02	ND	2.04E+02	1.17E+03	3.77E+00	6.58E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Phenanthrene	ug/Kg	9.00E+02	ND	2.04E+02	1.17E+03	4.41E+00	7.69E-01	poss-ND
SD	CHANNEL	SD001	SVOA	Phenanthrene	UG/KG	1.70E+03	ND	2.04E+02	1.17E+03	8.33E+00	1.45E+00	prob-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	ug/kg	5.18E+01	ND	4.91E+01		1.05E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/kg	5.18E+01	ND	4.91E+01		1.05E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Phenol	ug/kg	5.18E+01	ND	4.91E+01		1.05E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SD002200	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Phenol	ug/Kg	1.90E+02	ND	4.91E+01		3.87E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/Kg	2.00E+02	ND	4.91E+01		4.07E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Phenol	ug/kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Phenol	ug/Kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Phenol	ug/Kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Phenol	ug/kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	ug/Kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/Kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	ug/kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	ug/Kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/Kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	ug/kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	ug/Kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	ug/kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Phenol	ug/Kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/Kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	SVOA	Phenol	ug/kg	3.30E+02	ND	4.91E+01		6.72E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Phenol	ug/Kg	4.60E+02	ND	4.91E+01		9.37E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	UG/KG	5.20E+02	ND	4.91E+01		1.06E+01		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Phenol	ug/Kg	6.90E+02	ND	4.91E+01		1.41E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	ug/Kg	7.60E+02	ND	4.91E+01		1.55E+01		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Phenol	UG/KG	7.70E+02	ND	4.91E+01		1.57E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Phenol	UG/KG	8.00E+02	ND	4.91E+01		1.63E+01		poss-ND
SD	CHANNEL	SWSW	SVOA	Phenol	ug/Kg	9.00E+02	ND	4.91E+01		1.83E+01		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/kg	6.09E+01	ND	1.95E+02	1.52E+03	3.12E-01	4.01E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/kg	6.09E+01	ND	1.95E+02	1.52E+03	3.12E-01	4.01E-02	none
SD	CHANNEL	SWSW	SVOA	Pyrene	ug/kg	6.09E+01	ND	1.95E+02	1.52E+03	3.12E-01	4.01E-02	none
SD	CHANNEL	SD002200	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SD002200	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SWSW	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SWSW	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SWSW	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SWSW	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SD002200	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SD002200	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/kg	9.29E+01	DET	1.95E+02	1.52E+03	4.76E-01	6.11E-02	none
SD	CHANNEL	SWNPDES1	SVOA	Pyrene	ug/Kg	9.30E+01	ND	1.95E+02	1.52E+03	4.77E-01	6.12E-02	none
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/Kg	9.90E+01	ND	1.95E+02	1.52E+03	5.08E-01	6.51E-02	none
SD	CHANNEL	SD001	SVOA	Pyrene	UG/KG	1.10E+02	ND	1.95E+02	1.52E+03	5.64E-01	7.24E-02	none
SD	CHANNEL	SD003	SVOA	Pyrene	UG/KG	1.20E+02	ND	1.95E+02	1.52E+03	6.15E-01	7.89E-02	none
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	UG/KG	1.20E+02	DET	1.95E+02	1.52E+03	6.15E-01	7.89E-02	none
SD	CHANNEL	SWNPDES1	SVOA	Pyrene	UG/KG	1.20E+02	DET	1.95E+02	1.52E+03	6.15E-01	7.89E-02	none
SD	CHANNEL	SD003	SVOA	Pyrene	UG/KG	1.40E+02	ND	1.95E+02	1.52E+03	7.18E-01	9.21E-02	none
SD	CHANNEL	SD005	SVOA	Pyrene	UG/KG	1.70E+02	ND	1.95E+02	1.52E+03	8.72E-01	1.12E-01	none
SD	CHANNEL	SD005	SVOA	Pyrene	UG/KG	1.80E+02	ND	1.95E+02	1.52E+03	9.23E-01	1.18E-01	none
SD	CHANNEL	SD004	SVOA	Pyrene	UG/KG	1.90E+02	ND	1.95E+02	1.52E+03	9.74E-01	1.25E-01	none
SD	CHANNEL	SD004	SVOA	Pyrene	UG/KG	2.60E+02	ND	1.95E+02	1.52E+03	1.33E+00	1.71E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Pyrene	ug/kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Pyrene	ug/Kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Pyrene	ug/Kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Pyrene	ug/kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/Kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/Kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/Kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/Kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Pyrene	ug/Kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/Kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Pyrene	ug/kg	3.30E+02	ND	1.95E+02	1.52E+03	1.69E+00	2.17E-01	poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Pyrene	ug/Kg	4.60E+02	ND	1.95E+02	1.52E+03	2.36E+00	3.03E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	UG/KG	5.20E+02	ND	1.95E+02	1.52E+03	2.67E+00	3.42E-01	poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pyrene	ug/Kg	6.90E+02	ND	1.95E+02	1.52E+03	3.54E+00	4.54E-01	poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyrene	ug/Kg	7.60E+02	ND	1.95E+02	1.52E+03	3.90E+00	5.00E-01	poss-ND
SD	CHANNEL	SWSW	SVOA	Pyrene	ug/Kg	9.00E+02	ND	1.95E+02	1.52E+03	4.62E+00	5.92E-01	poss-ND
SD	CHANNEL	SD001	SVOA	Pyrene	UG/KG	1.70E+03	ND	1.95E+02	1.52E+03	8.72E+00	1.12E+00	prob-ND
SD	CHANNEL	SWSW	SVOA	Pyridine	ug/kg	4.72E+01	ND	1.06E+02		4.45E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Pyridine	ug/kg	4.72E+01	ND	1.06E+02		4.45E-01		none
SD	CHANNEL	SWSW	SVOA	Pyridine	ug/kg	4.72E+01	ND	1.06E+02		4.45E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Pyridine	ug/kg	4.72E+01	ND	1.06E+02		4.45E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Pyridine	ug/kg	4.72E+01	ND	1.06E+02		4.45E-01		none
SD	CHANNEL	SWSW	SVOA	Pyridine	ug/kg	4.72E+01	ND	1.06E+02		4.45E-01		none
SD	CHANNEL	SWSW	SVOA	Pyridine	ug/kg	4.72E+01	ND	1.06E+02		4.45E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Pyridine	ug/kg	4.72E+01	ND	1.06E+02		4.45E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Pyridine	ug/kg	4.72E+01	ND	1.06E+02		4.45E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Pyridine	ug/kg	4.72E+01	ND	1.06E+02		4.45E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Pyridine	ug/kg	4.72E+01	ND	1.06E+02		4.45E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Pyridine	ug/kg	5.29E+01	DET	1.06E+02		4.99E-01		none
SD	CHANNEL	SD002200	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	CHANNEL	SD002200	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	CHANNEL	SWNPDES2	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	CHANNEL	SWNPDES3	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	CHANNEL	SWSW	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	CHANNEL	SD002200	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	CHANNEL	SD002200	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	CHANNEL	SWSW	SVOA	Pyridine	ug/Kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Pyridine	ug/kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pyridine	ug/kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Pyridine	ug/Kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Pyridine	ug/kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyridine	ug/Kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pyridine	ug/Kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyridine	ug/kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyridine	ug/Kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES3	SVOA	Pyridine	ug/kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pyridine	ug/kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pyridine	ug/Kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyridine	ug/kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Pyridine	ug/Kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyridine	ug/Kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyridine	ug/kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Pyridine	ug/kg	3.30E+02	ND	1.06E+02		3.11E+00		poss-ND
SD	CHANNEL	SWNPDES1	SVOA	Pyridine	ug/Kg	4.60E+02	ND	1.06E+02		4.34E+00		poss-ND
SD	CHANNEL	SWNPDES3	SVOA	Pyridine	ug/Kg	6.90E+02	ND	1.06E+02		6.51E+00		poss-ND
SD	CHANNEL	SWNPDES2	SVOA	Pyridine	ug/Kg	7.60E+02	ND	1.06E+02		7.17E+00		poss-ND
SD	CHANNEL	SWSW	SVOA	Pyridine	ug/Kg	9.00E+02	ND	1.06E+02		8.49E+00		poss-ND
SD	CHANNEL		SVOA	Total PAH				1.61E+03	2.28E+04			none
SD	CHANNEL	0001-PPRCS2	SVOC	Total PAHs	ug/kg	1690	ND	1.61E+03	2.28E+04	1.05E+00	7.41E-02	Poss-ND
SD	CHANNEL	PPRCS3*27	SVOC	Total PAHs	ug/kg	26300	ND	1.61E+03	2.28E+04	1.63E+01	1.15E+00	Prob-ND
SD	CHANNEL	SD0022001A	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	SD0022001E	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	SD0022001S	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	SD0022001W	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	0003-PPRCS2	SVOC	Total PAHs	ug/kg	2080	ND	1.61E+03	2.28E+04	1.29E+00	9.12E-02	Poss-ND
SD	CHANNEL	003-PPRCS3*	SVOC	Total PAHs	ug/kg	1860	ND	1.61E+03	2.28E+04	1.16E+00	8.16E-02	Poss-ND
SD	CHANNEL	0004-PPRCS2	SVOC	Total PAHs	ug/kg	3940	ND	1.61E+03	2.28E+04	2.45E+00	1.73E-01	Poss-ND
SD	CHANNEL	004-PPRCS3*	SVOC	Total PAHs	ug/kg	2910	ND	1.61E+03	2.28E+04	1.81E+00	1.28E-01	Poss-ND
SD	CHANNEL	0005-PPRCS2	SVOC	Total PAHs	ug/kg	2690	ND	1.61E+03	2.28E+04	1.67E+00	1.18E-01	Poss-ND
SD	CHANNEL	005-PPRCS3*	SVOC	Total PAHs	ug/kg	2680	ND	1.61E+03	2.28E+04	1.66E+00	1.18E-01	Poss-ND
SD	CHANNEL	DES1-033879	SVOC	Total PAHs	ug/kg	8470	DET	1.61E+03	2.28E+04	5.26E+00	3.71E-01	Poss-DET
SD	CHANNEL	NPDES1-9935	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	NPDES1-9817	SVOC	Total PAHs	ug/kg	5980	ND	1.61E+03	2.28E+04	3.71E+00	2.62E-01	Poss-ND
SD	CHANNEL	ES1-98-13658	SVOC	Total PAHs	ug/kg	1217.9	ND	1.61E+03	2.28E+04	7.56E-01	5.34E-02	None-ND
SD	CHANNEL	NPDES2-2076	SVOC	Total PAHs	ug/kg	997.599998	DET	1.61E+03	2.28E+04	6.20E-01	4.38E-02	None-DET
SD	CHANNEL	NPDES2-9935	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	NPDES2-9817	SVOC	Total PAHs	ug/kg	9880	ND	1.61E+03	2.28E+04	6.14E+00	4.33E-01	Poss-ND
SD	CHANNEL	DES2-033879	SVOC	Total PAHs	ug/kg	7567	DET	1.61E+03	2.28E+04	4.70E+00	3.32E-01	Poss-DET
SD	CHANNEL	NPDES2-9833	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	ES2-D0F220	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	NPDES2-2010	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	ES2-D1G180	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	NPDES2-2021	SVOC	Total PAHs	ug/kg	861	ND	1.61E+03	2.28E+04	5.35E-01	3.78E-02	None-ND
SD	CHANNEL	NPDES2-2016	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	NPDES2-2013	SVOC	Total PAHs	ug/kg	1946.5	DET	1.61E+03	2.28E+04	1.21E+00	8.54E-02	Poss-DET
SD	CHANNEL	NPDES2-9916	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	ES2-D0L220	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	ES3-D1G180	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	DES3-033879	SVOC	Total PAHs	ug/kg	6316	DET	1.61E+03	2.28E+04	3.92E+00	2.77E-01	Poss-DET
SD	CHANNEL	ES3-D0L220	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	NPDES3-9833	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	NPDES3-9916	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	PDES3-98172	SVOC	Total PAHs	ug/kg	8970	ND	1.61E+03	2.28E+04	5.57E+00	3.93E-01	Poss-ND
SD	CHANNEL	ES3-D0F220	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	ES3-98-13660	SVOC	Total PAHs	ug/kg	1294.2	ND	1.61E+03	2.28E+04	8.04E-01	5.68E-02	None-ND
SD	CHANNEL	NPDES3-2076	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	NPDES3-2016	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	NPDES3-2021	SVOC	Total PAHs	ug/kg	861	ND	1.61E+03	2.28E+04	5.35E-01	3.78E-02	None-ND
SD	CHANNEL	NPDES3-2010	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	NPDES3-2013	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	WSW-983399-	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	NSW-201015	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	SW-D0L22012	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	NSW-981725-	SVOC	Total PAHs	ug/kg	11700	ND	1.61E+03	2.28E+04	7.27E+00	5.13E-01	Poss-ND
SD	CHANNEL	SW-D0F22027	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	NSW-991691-	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	SW-033879*0	SVOC	Total PAHs	ug/kg	7777	DET	1.61E+03	2.28E+04	4.83E+00	3.41E-01	Poss-DET
SD	CHANNEL	WSW-207616	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	NSW-201325	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	NSW-202145	SVOC	Total PAHs	ug/kg	861	ND	1.61E+03	2.28E+04	5.35E-01	3.78E-02	None-ND
SD	CHANNEL	NSW-201669	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	CHANNEL	W-D1G18025	SVOC	Total PAHs	ug/kg	4290	ND	1.61E+03	2.28E+04	2.66E+00	1.88E-01	Poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1,1,2-Tetrachloroethane	ug/kg	1.40E+00	ND	9.40E+02		1.49E-03		none
SD	CHANNEL	SWNPDES1	VOA	1,1,1,2-Tetrachloroethane	ug/kg	1.80E+00	ND	9.40E+02		1.91E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/kg	2.10E-01	ND	1.70E+02		1.24E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	ug/kg	2.10E-01	ND	1.70E+02		1.24E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/kg	2.10E-01	ND	1.70E+02		1.24E-03		none
SD	CHANNEL	SWSW	VOA	1,1,1-Trichloroethane	ug/kg	2.10E-01	ND	1.70E+02		1.24E-03		none
SD	CHANNEL	SWSW	VOA	1,1,1-Trichloroethane	ug/kg	2.10E-01	ND	1.70E+02		1.24E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	ug/kg	2.10E-01	ND	1.70E+02		1.24E-03		none
SD	CHANNEL	SWSW	VOA	1,1,1-Trichloroethane	ug/kg	4.80E-01	ND	1.70E+02		2.82E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	ug/kg	4.80E-01	ND	1.70E+02		2.82E-03		none
SD	CHANNEL	SWSW	VOA	1,1,1-Trichloroethane	ug/kg	4.80E-01	ND	1.70E+02		2.82E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/kg	4.80E-01	ND	1.70E+02		2.82E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	ug/kg	4.80E-01	ND	1.70E+02		2.82E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/kg	4.80E-01	ND	1.70E+02		2.82E-03		none
SD	CHANNEL	SD002200	VOA	1,1,1-Trichloroethane	ug/kg	6.49E-01	ND	1.70E+02		3.82E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	ug/kg	6.49E-01	ND	1.70E+02		3.82E-03		none
SD	CHANNEL	SD002200	VOA	1,1,1-Trichloroethane	ug/kg	6.49E-01	ND	1.70E+02		3.82E-03		none
SD	CHANNEL	SD002200	VOA	1,1,1-Trichloroethane	ug/kg	6.49E-01	ND	1.70E+02		3.82E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/kg	6.49E-01	ND	1.70E+02		3.82E-03		none
SD	CHANNEL	SWSW	VOA	1,1,1-Trichloroethane	ug/kg	6.49E-01	ND	1.70E+02		3.82E-03		none
SD	CHANNEL	SD002200	VOA	1,1,1-Trichloroethane	ug/kg	6.49E-01	ND	1.70E+02		3.82E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/kg	1.40E+00	ND	1.70E+02		8.24E-03		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES1	VOA	1,1,1-Trichloroethane	ug/kg	1.80E+00	ND	1.70E+02		1.06E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWSW	VOA	1,1,1-Trichloroethane	ug/Kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	ug/kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	ug/Kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/Kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWSW	VOA	1,1,1-Trichloroethane	ug/kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWSW	VOA	1,1,1-Trichloroethane	ug/kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	ug/kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,1,1-Trichloroethane	ug/Kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,1,1-Trichloroethane	ug/Kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/Kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	ug/Kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	ug/kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWSW	VOA	1,1,1-Trichloroethane	ug/kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/Kg	5.00E+00	ND	1.70E+02		2.94E-02		none
SD	CHANNEL	SD003	VOA	1,1,1-Trichloroethane	UG/KG	7.50E+00	ND	1.70E+02		4.41E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	UG/KG	7.90E+00	ND	1.70E+02		4.65E-02		none
SD	CHANNEL	SD001	VOA	1,1,1-Trichloroethane	UG/KG	8.20E+00	ND	1.70E+02		4.82E-02		none
SD	CHANNEL	SD003	VOA	1,1,1-Trichloroethane	UG/KG	9.70E+00	ND	1.70E+02		5.71E-02		none
SD	CHANNEL	SD004	VOA	1,1,1-Trichloroethane	UG/KG	1.20E+01	ND	1.70E+02		7.06E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	UG/KG	1.20E+01	ND	1.70E+02		7.06E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,1,1-Trichloroethane	UG/KG	1.20E+01	ND	1.70E+02		7.06E-02		none
SD	CHANNEL	SD005	VOA	1,1,1-Trichloroethane	UG/KG	1.30E+01	ND	1.70E+02		7.65E-02		none
SD	CHANNEL	SWSW	VOA	1,1,1-Trichloroethane	UG/KG	1.30E+01	ND	1.70E+02		7.65E-02		none
SD	CHANNEL	SD004	VOA	1,1,1-Trichloroethane	UG/KG	1.90E+01	ND	1.70E+02		1.12E-01		none
SD	CHANNEL	SWSW	VOA	1,1,1-Trichloroethane	ug/Kg	2.00E+01	ND	1.70E+02		1.18E-01		none
SD	CHANNEL	SWNPDES3	VOA	1,1,1-Trichloroethane	ug/Kg	2.00E+01	ND	1.70E+02		1.18E-01		none
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	ug/Kg	2.00E+01	ND	1.70E+02		1.18E-01		none
SD	CHANNEL	SD001	VOA	1,1,1-Trichloroethane	UG/KG	2.10E+01	ND	1.70E+02		1.24E-01		none
SD	CHANNEL	SD005	VOA	1,1,1-Trichloroethane	UG/KG	5.50E+01	ND	1.70E+02		3.24E-01		none
SD	CHANNEL	SWSW	VOA	1,1,1-Trichloroethane	ug/Kg	6.00E+03	ND	1.70E+02		3.53E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,1,1-Trichloroethane	ug/Kg	6.00E+03	ND	1.70E+02		3.53E+01		poss-ND
SD	CHANNEL	SWSW	VOA	1,1,2,2-Tetrachloroethane	ug/kg	3.50E-01	ND	9.40E+02		3.72E-04		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	ug/kg	3.50E-01	ND	9.40E+02		3.72E-04		none
SD	CHANNEL	SWSW	VOA	1,1,2,2-Tetrachloroethane	ug/kg	3.50E-01	ND	9.40E+02		3.72E-04		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/kg	3.50E-01	ND	9.40E+02		3.72E-04		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	ug/kg	3.50E-01	ND	9.40E+02		3.72E-04		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/kg	3.50E-01	ND	9.40E+02		3.72E-04		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/kg	3.90E-01	ND	9.40E+02		4.15E-04		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	ug/kg	3.90E-01	ND	9.40E+02		4.15E-04		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/kg	3.90E-01	ND	9.40E+02		4.15E-04		none
SD	CHANNEL	SWSW	VOA	1,1,2,2-Tetrachloroethane	ug/kg	3.90E-01	ND	9.40E+02		4.15E-04		none
SD	CHANNEL	SWSW	VOA	1,1,2,2-Tetrachloroethane	ug/kg	3.90E-01	ND	9.40E+02		4.15E-04		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	ug/kg	3.90E-01	ND	9.40E+02		4.15E-04		none
SD	CHANNEL	SD002200	VOA	1,1,2,2-Tetrachloroethane	ug/kg	1.05E+00	ND	9.40E+02		1.12E-03		none
SD	CHANNEL	SD002200	VOA	1,1,2,2-Tetrachloroethane	ug/kg	1.05E+00	ND	9.40E+02		1.12E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	ug/kg	1.05E+00	ND	9.40E+02		1.12E-03		none
SD	CHANNEL	SD002200	VOA	1,1,2,2-Tetrachloroethane	ug/kg	1.05E+00	ND	9.40E+02		1.12E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/kg	1.05E+00	ND	9.40E+02		1.12E-03		none
SD	CHANNEL	SWSW	VOA	1,1,2,2-Tetrachloroethane	ug/kg	1.05E+00	ND	9.40E+02		1.12E-03		none
SD	CHANNEL	SD002200	VOA	1,1,2,2-Tetrachloroethane	ug/kg	1.05E+00	ND	9.40E+02		1.12E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/kg	1.40E+00	ND	9.40E+02		1.49E-03		none
SD	CHANNEL	SWNPDES1	VOA	1,1,2,2-Tetrachloroethane	ug/kg	1.80E+00	ND	9.40E+02		1.91E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWSW	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWSW	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWSW	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWNPDES1	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWNPDES1	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWSW	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	5.00E+00	ND	9.40E+02		5.32E-03		none
SD	CHANNEL	SD003	VOA	1,1,2,2-Tetrachloroethane	UG/KG	7.50E+00	ND	9.40E+02		7.98E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	UG/KG	7.90E+00	ND	9.40E+02		8.40E-03		none
SD	CHANNEL	SD001	VOA	1,1,2,2-Tetrachloroethane	UG/KG	8.20E+00	ND	9.40E+02		8.72E-03		none
SD	CHANNEL	SD003	VOA	1,1,2,2-Tetrachloroethane	UG/KG	9.70E+00	ND	9.40E+02		1.03E-02		none
SD	CHANNEL	SD004	VOA	1,1,2,2-Tetrachloroethane	UG/KG	1.20E+01	ND	9.40E+02		1.28E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	UG/KG	1.20E+01	ND	9.40E+02		1.28E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,1,2,2-Tetrachloroethane	UG/KG	1.20E+01	ND	9.40E+02		1.28E-02		none
SD	CHANNEL	SD005	VOA	1,1,2,2-Tetrachloroethane	UG/KG	1.30E+01	ND	9.40E+02		1.38E-02		none
SD	CHANNEL	SWSW	VOA	1,1,2,2-Tetrachloroethane	UG/KG	1.30E+01	ND	9.40E+02		1.38E-02		none
SD	CHANNEL	SD004	VOA	1,1,2,2-Tetrachloroethane	UG/KG	1.90E+01	ND	9.40E+02		2.02E-02		none
SD	CHANNEL	SWSW	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	2.00E+01	ND	9.40E+02		2.13E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	2.00E+01	ND	9.40E+02		2.13E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	2.00E+01	ND	9.40E+02		2.13E-02		none
SD	CHANNEL	SD001	VOA	1,1,2,2-Tetrachloroethane	UG/KG	2.10E+01	ND	9.40E+02		2.23E-02		none
SD	CHANNEL	SD005	VOA	1,1,2,2-Tetrachloroethane	UG/KG	5.50E+01	ND	9.40E+02		5.85E-02		none
SD	CHANNEL	SWSW	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	6.00E+03	ND	9.40E+02		6.38E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	VOA	1,1,2,2-Tetrachloroethane	ug/Kg	6.00E+03	ND	9.40E+02		6.38E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/kg	3.00E-01	ND	5.18E+02		5.79E-04		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	ug/kg	3.00E-01	ND	5.18E+02		5.79E-04		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/kg	3.00E-01	ND	5.18E+02		5.79E-04		none
SD	CHANNEL	SWSW	VOA	1,1,2-Trichloroethane	ug/kg	3.00E-01	ND	5.18E+02		5.79E-04		none
SD	CHANNEL	SWSW	VOA	1,1,2-Trichloroethane	ug/kg	3.00E-01	ND	5.18E+02		5.79E-04		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	ug/kg	3.00E-01	ND	5.18E+02		5.79E-04		none
SD	CHANNEL	SWSW	VOA	1,1,2-Trichloroethane	ug/kg	5.90E-01	ND	5.18E+02		1.14E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	ug/kg	5.90E-01	ND	5.18E+02		1.14E-03		none
SD	CHANNEL	SWSW	VOA	1,1,2-Trichloroethane	ug/kg	5.90E-01	ND	5.18E+02		1.14E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/kg	5.90E-01	ND	5.18E+02		1.14E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	ug/kg	5.90E-01	ND	5.18E+02		1.14E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/kg	5.90E-01	ND	5.18E+02		1.14E-03		none
SD	CHANNEL	SD002200	VOA	1,1,2-Trichloroethane	ug/kg	9.76E-01	ND	5.18E+02		1.88E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	ug/kg	9.76E-01	ND	5.18E+02		1.88E-03		none
SD	CHANNEL	SD002200	VOA	1,1,2-Trichloroethane	ug/kg	9.76E-01	ND	5.18E+02		1.88E-03		none
SD	CHANNEL	SD002200	VOA	1,1,2-Trichloroethane	ug/kg	9.76E-01	ND	5.18E+02		1.88E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/kg	9.76E-01	ND	5.18E+02		1.88E-03		none
SD	CHANNEL	SWSW	VOA	1,1,2-Trichloroethane	ug/kg	9.76E-01	ND	5.18E+02		1.88E-03		none
SD	CHANNEL	SD002200	VOA	1,1,2-Trichloroethane	ug/kg	9.76E-01	ND	5.18E+02		1.88E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/kg	1.40E+00	ND	5.18E+02		2.70E-03		none
SD	CHANNEL	SWNPDES1	VOA	1,1,2-Trichloroethane	ug/kg	1.80E+00	ND	5.18E+02		3.47E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWSW	VOA	1,1,2-Trichloroethane	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWSW	VOA	1,1,2-Trichloroethane	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWSW	VOA	1,1,2-Trichloroethane	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES1	VOA	1,1,2-Trichloroethane	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES1	VOA	1,1,2-Trichloroethane	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWSW	VOA	1,1,2-Trichloroethane	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SD003	VOA	1,1,2-Trichloroethane	UG/KG	7.50E+00	ND	5.18E+02		1.45E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	UG/KG	7.90E+00	ND	5.18E+02		1.53E-02		none
SD	CHANNEL	SD001	VOA	1,1,2-Trichloroethane	UG/KG	8.20E+00	ND	5.18E+02		1.58E-02		none
SD	CHANNEL	SD003	VOA	1,1,2-Trichloroethane	UG/KG	9.70E+00	ND	5.18E+02		1.87E-02		none
SD	CHANNEL	SD004	VOA	1,1,2-Trichloroethane	UG/KG	1.20E+01	ND	5.18E+02		2.32E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	UG/KG	1.20E+01	ND	5.18E+02		2.32E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,1,2-Trichloroethane	UG/KG	1.20E+01	ND	5.18E+02		2.32E-02		none
SD	CHANNEL	SD005	VOA	1,1,2-Trichloroethane	UG/KG	1.30E+01	ND	5.18E+02		2.51E-02		none
SD	CHANNEL	SWSW	VOA	1,1,2-Trichloroethane	UG/KG	1.30E+01	ND	5.18E+02		2.51E-02		none
SD	CHANNEL	SD004	VOA	1,1,2-Trichloroethane	UG/KG	1.90E+01	ND	5.18E+02		3.67E-02		none
SD	CHANNEL	SWSW	VOA	1,1,2-Trichloroethane	ug/Kg	2.00E+01	ND	5.18E+02		3.86E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1,2-Trichloroethane	ug/Kg	2.00E+01	ND	5.18E+02		3.86E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	ug/Kg	2.00E+01	ND	5.18E+02		3.86E-02		none
SD	CHANNEL	SD001	VOA	1,1,2-Trichloroethane	UG/KG	2.10E+01	ND	5.18E+02		4.05E-02		none
SD	CHANNEL	SD005	VOA	1,1,2-Trichloroethane	UG/KG	5.50E+01	ND	5.18E+02		1.06E-01		none
SD	CHANNEL	SWSW	VOA	1,1,2-Trichloroethane	ug/Kg	6.00E+03	ND	5.18E+02		1.16E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,1,2-Trichloroethane	ug/Kg	6.00E+03	ND	5.18E+02		1.16E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/kg	2.30E-01	ND	5.75E-01		4.00E-01		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/kg	2.30E-01	ND	5.75E-01		4.00E-01		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/kg	2.30E-01	ND	5.75E-01		4.00E-01		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/kg	2.30E-01	ND	5.75E-01		4.00E-01		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/kg	2.30E-01	ND	5.75E-01		4.00E-01		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/kg	2.30E-01	ND	5.75E-01		4.00E-01		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/kg	5.10E-01	ND	5.75E-01		8.87E-01		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/kg	5.10E-01	ND	5.75E-01		8.87E-01		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/kg	5.10E-01	ND	5.75E-01		8.87E-01		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/kg	5.10E-01	ND	5.75E-01		8.87E-01		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/kg	5.10E-01	ND	5.75E-01		8.87E-01		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/kg	5.10E-01	ND	5.75E-01		8.87E-01		none
SD	CHANNEL	SD002200	VOA	1,1-Dichloroethane	ug/kg	7.14E-01	ND	5.75E-01		1.24E+00		poss-ND
SD	CHANNEL	SD002200	VOA	1,1-Dichloroethane	ug/kg	7.14E-01	ND	5.75E-01		1.24E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/kg	7.14E-01	ND	5.75E-01		1.24E+00		poss-ND
SD	CHANNEL	SD002200	VOA	1,1-Dichloroethane	ug/kg	7.14E-01	ND	5.75E-01		1.24E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/kg	7.14E-01	ND	5.75E-01		1.24E+00		poss-ND
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/kg	7.14E-01	ND	5.75E-01		1.24E+00		poss-ND
SD	CHANNEL	SD002200	VOA	1,1-Dichloroethane	ug/kg	7.14E-01	ND	5.75E-01		1.24E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/kg	1.40E+00	ND	5.75E-01		2.43E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethane	ug/kg	1.80E+00	ND	5.75E-01		3.13E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/Kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/Kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/Kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethane	ug/Kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethane	ug/Kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/Kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/Kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/Kg	5.00E+00	ND	5.75E-01		8.70E+00		poss-ND
SD	CHANNEL	SD003	VOA	1,1-Dichloroethane	UG/KG	7.50E+00	ND	5.75E-01		1.30E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	UG/KG	7.90E+00	ND	5.75E-01		1.37E+01		poss-ND
SD	CHANNEL	SD001	VOA	1,1-Dichloroethane	UG/KG	8.20E+00	ND	5.75E-01		1.43E+01		poss-ND
SD	CHANNEL	SD003	VOA	1,1-Dichloroethane	UG/KG	9.70E+00	ND	5.75E-01		1.69E+01		poss-ND
SD	CHANNEL	SD004	VOA	1,1-Dichloroethane	UG/KG	1.20E+01	ND	5.75E-01		2.09E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	UG/KG	1.20E+01	ND	5.75E-01		2.09E+01		poss-ND
SD	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethane	UG/KG	1.20E+01	ND	5.75E-01		2.09E+01		poss-ND
SD	CHANNEL	SD005	VOA	1,1-Dichloroethane	UG/KG	1.30E+01	ND	5.75E-01		2.26E+01		poss-ND
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethane	UG/KG	1.30E+01	ND	5.75E-01		2.26E+01		poss-ND
SD	CHANNEL	SD004	VOA	1,1-Dichloroethane	UG/KG	1.90E+01	ND	5.75E-01		3.30E+01		poss-ND
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/Kg	2.00E+01	ND	5.75E-01		3.48E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/Kg	2.00E+01	ND	5.75E-01		3.48E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethane	ug/Kg	2.00E+01	ND	5.75E-01		3.48E+01		poss-ND
SD	CHANNEL	SD001	VOA	1,1-Dichloroethane	UG/KG	2.10E+01	ND	5.75E-01		3.65E+01		poss-ND
SD	CHANNEL	SD005	VOA	1,1-Dichloroethane	UG/KG	5.50E+01	ND	5.75E-01		9.57E+01		poss-ND
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethane	ug/Kg	6.00E+03	ND	5.75E-01		1.04E+04		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethane	ug/Kg	6.00E+03	ND	5.75E-01		1.04E+04		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/kg	3.90E-01	ND	1.94E+01		2.01E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/kg	3.90E-01	ND	1.94E+01		2.01E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/kg	3.90E-01	ND	1.94E+01		2.01E-02		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/kg	3.90E-01	ND	1.94E+01		2.01E-02		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/kg	3.90E-01	ND	1.94E+01		2.01E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/kg	3.90E-01	ND	1.94E+01		2.01E-02		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/kg	6.50E-01	ND	1.94E+01		3.35E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/kg	6.50E-01	ND	1.94E+01		3.35E-02		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/kg	6.50E-01	ND	1.94E+01		3.35E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/kg	6.50E-01	ND	1.94E+01		3.35E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/kg	6.50E-01	ND	1.94E+01		3.35E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/kg	6.50E-01	ND	1.94E+01		3.35E-02		none
SD	CHANNEL	SD002200	VOA	1,1-Dichloroethene	ug/kg	7.54E-01	ND	1.94E+01		3.89E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/kg	7.54E-01	ND	1.94E+01		3.89E-02		none
SD	CHANNEL	SD002200	VOA	1,1-Dichloroethene	ug/kg	7.54E-01	ND	1.94E+01		3.89E-02		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/kg	7.54E-01	ND	1.94E+01		3.89E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/kg	7.54E-01	ND	1.94E+01		3.89E-02		none
SD	CHANNEL	SD002200	VOA	1,1-Dichloroethene	ug/kg	7.54E-01	ND	1.94E+01		3.89E-02		none
SD	CHANNEL	SD002200	VOA	1,1-Dichloroethene	ug/kg	7.54E-01	ND	1.94E+01		3.89E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/kg	1.40E+00	ND	1.94E+01		7.22E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethene	ug/kg	1.80E+00	ND	1.94E+01		9.28E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/Kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/Kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/Kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethene	ug/Kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethene	ug/Kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/Kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/Kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/Kg	5.00E+00	ND	1.94E+01		2.58E-01		none
SD	CHANNEL	SD003	VOA	1,1-Dichloroethene	UG/KG	7.50E+00	ND	1.94E+01		3.87E-01		none
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	UG/KG	7.90E+00	ND	1.94E+01		4.07E-01		none
SD	CHANNEL	SD001	VOA	1,1-Dichloroethene	UG/KG	8.20E+00	ND	1.94E+01		4.23E-01		none
SD	CHANNEL	SD003	VOA	1,1-Dichloroethene	UG/KG	9.70E+00	ND	1.94E+01		5.00E-01		none
SD	CHANNEL	SD004	VOA	1,1-Dichloroethene	UG/KG	1.20E+01	ND	1.94E+01		6.19E-01		none
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	UG/KG	1.20E+01	ND	1.94E+01		6.19E-01		none
SD	CHANNEL	SWNPDES1	VOA	1,1-Dichloroethene	UG/KG	1.20E+01	ND	1.94E+01		6.19E-01		none
SD	CHANNEL	SD005	VOA	1,1-Dichloroethene	UG/KG	1.30E+01	ND	1.94E+01		6.70E-01		none
SD	CHANNEL	SD004	VOA	1,1-Dichloroethene	UG/KG	1.90E+01	ND	1.94E+01		9.79E-01		none
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/Kg	2.00E+01	ND	1.94E+01		1.03E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/Kg	2.00E+01	ND	1.94E+01		1.03E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloroethene	ug/Kg	2.00E+01	ND	1.94E+01		1.03E+00		poss-ND
SD	CHANNEL	SD001	VOA	1,1-Dichloroethene	UG/KG	2.10E+01	ND	1.94E+01		1.08E+00		poss-ND
SD	CHANNEL	SD005	VOA	1,1-Dichloroethene	UG/KG	5.50E+01	ND	1.94E+01		2.84E+00		poss-ND
SD	CHANNEL	SWSW	VOA	1,1-Dichloroethene	ug/Kg	6.00E+03	ND	1.94E+01		3.09E+02		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,1-Dichloroethene	ug/Kg	6.00E+03	ND	1.94E+01		3.09E+02		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,1-Dichloropropene	ug/kg	1.40E+00	ND	3.33E+02		4.20E-03		none
SD	CHANNEL	SWNPDES1	VOA	1,1-Dichloropropene	ug/kg	1.80E+00	ND	3.33E+02		5.41E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,2,3-Trichloropropane	ug/kg	2.90E+00	ND	1.70E+02		1.71E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,2,3-Trichloropropane	ug/kg	3.50E+00	ND	1.70E+02		2.06E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dibromoethane	ug/kg	1.40E+00	ND	5.75E-01		2.43E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	1,2-Dibromoethane	ug/kg	1.80E+00	ND	5.75E-01		3.13E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/kg	3.10E-01	ND	2.60E+02		1.19E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/kg	3.10E-01	ND	2.60E+02		1.19E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	ug/kg	3.10E-01	ND	2.60E+02		1.19E-03		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethane	ug/kg	3.10E-01	ND	2.60E+02		1.19E-03		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethane	ug/kg	3.10E-01	ND	2.60E+02		1.19E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	ug/kg	3.10E-01	ND	2.60E+02		1.19E-03		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethane	ug/kg	6.20E-01	ND	2.60E+02		2.38E-03		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	ug/kg	6.20E-01	ND	2.60E+02		2.38E-03		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethane	ug/kg	6.20E-01	ND	2.60E+02		2.38E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/kg	6.20E-01	ND	2.60E+02		2.38E-03		none
SD	CHANNEL	SD002200	VOA	1,2-Dichloroethane	ug/kg	7.79E-01	ND	2.60E+02		3.00E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	ug/kg	7.79E-01	ND	2.60E+02		3.00E-03		none
SD	CHANNEL	SD002200	VOA	1,2-Dichloroethane	ug/kg	7.79E-01	ND	2.60E+02		3.00E-03		none
SD	CHANNEL	SD002200	VOA	1,2-Dichloroethane	ug/kg	7.79E-01	ND	2.60E+02		3.00E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/kg	7.79E-01	ND	2.60E+02		3.00E-03		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethane	ug/kg	7.79E-01	ND	2.60E+02		3.00E-03		none
SD	CHANNEL	SD002200	VOA	1,2-Dichloroethane	ug/kg	7.79E-01	ND	2.60E+02		3.00E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/kg	1.30E+00	DET	2.60E+02		5.00E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/kg	1.40E+00	ND	2.60E+02		5.38E-03		none
SD	CHANNEL	SWNPDES1	VOA	1,2-Dichloroethane	ug/kg	1.80E+00	ND	2.60E+02		6.92E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	ug/kg	4.20E+00	DET	2.60E+02		1.62E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethane	ug/Kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethane	ug/kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	ug/kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	ug/Kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/Kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethane	ug/kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/Kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	ug/kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,2-Dichloroethane	ug/Kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,2-Dichloroethane	ug/Kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/Kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	ug/Kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	ug/kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethane	ug/kg	5.00E+00	ND	2.60E+02		1.92E-02		none
SD	CHANNEL	SD003	VOA	1,2-Dichloroethane	UG/KG	7.50E+00	ND	2.60E+02		2.88E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	UG/KG	7.90E+00	ND	2.60E+02		3.04E-02		none
SD	CHANNEL	SD001	VOA	1,2-Dichloroethane	UG/KG	8.20E+00	ND	2.60E+02		3.15E-02		none
SD	CHANNEL	SD003	VOA	1,2-Dichloroethane	UG/KG	9.70E+00	ND	2.60E+02		3.73E-02		none
SD	CHANNEL	SD004	VOA	1,2-Dichloroethane	UG/KG	1.20E+01	ND	2.60E+02		4.62E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	UG/KG	1.20E+01	ND	2.60E+02		4.62E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,2-Dichloroethane	UG/KG	1.20E+01	ND	2.60E+02		4.62E-02		none
SD	CHANNEL	SD005	VOA	1,2-Dichloroethane	UG/KG	1.30E+01	ND	2.60E+02		5.00E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethane	UG/KG	1.30E+01	ND	2.60E+02		5.00E-02		none
SD	CHANNEL	SD004	VOA	1,2-Dichloroethane	UG/KG	1.90E+01	ND	2.60E+02		7.31E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethane	ug/Kg	2.00E+01	ND	2.60E+02		7.69E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethane	ug/Kg	2.00E+01	ND	2.60E+02		7.69E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	ug/Kg	2.00E+01	ND	2.60E+02		7.69E-02		none
SD	CHANNEL	SD001	VOA	1,2-Dichloroethane	UG/KG	2.10E+01	ND	2.60E+02		8.08E-02		none
SD	CHANNEL	SD005	VOA	1,2-Dichloroethane	UG/KG	5.50E+01	ND	2.60E+02		2.12E-01		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethane	ug/Kg	6.00E+03	ND	2.60E+02		2.31E+01		poss-ND
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethane	ug/Kg	6.00E+03	ND	2.60E+02		2.31E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloroethene (total)	UG/KG	7.90E+00	ND	2.60E+02		3.04E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloroethene (total)	UG/KG	1.20E+01	ND	2.60E+02		4.62E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,2-Dichloroethene (total)	UG/KG	1.20E+01	ND	2.60E+02		4.62E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloroethene (total)	UG/KG	1.30E+01	ND	2.60E+02		5.00E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloropropane	ug/kg	2.80E-01	ND	3.33E+02		8.41E-04		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	ug/kg	2.80E-01	ND	3.33E+02		8.41E-04		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloropropane	ug/kg	2.80E-01	ND	3.33E+02		8.41E-04		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/kg	2.80E-01	ND	3.33E+02		8.41E-04		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	ug/kg	2.80E-01	ND	3.33E+02		8.41E-04		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/kg	2.80E-01	ND	3.33E+02		8.41E-04		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/kg	4.90E-01	ND	3.33E+02		1.47E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	ug/kg	4.90E-01	ND	3.33E+02		1.47E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/kg	4.90E-01	ND	3.33E+02		1.47E-03		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloropropane	ug/kg	4.90E-01	ND	3.33E+02		1.47E-03		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloropropane	ug/kg	4.90E-01	ND	3.33E+02		1.47E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	ug/kg	4.90E-01	ND	3.33E+02		1.47E-03		none
SD	CHANNEL	SD002200	VOA	1,2-Dichloropropane	ug/kg	1.15E+00	ND	3.33E+02		3.45E-03		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	ug/kg	1.15E+00	ND	3.33E+02		3.45E-03		none
SD	CHANNEL	SD002200	VOA	1,2-Dichloropropane	ug/kg	1.15E+00	ND	3.33E+02		3.45E-03		none
SD	CHANNEL	SD002200	VOA	1,2-Dichloropropane	ug/kg	1.15E+00	ND	3.33E+02		3.45E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/kg	1.15E+00	ND	3.33E+02		3.45E-03		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloropropane	ug/kg	1.15E+00	ND	3.33E+02		3.45E-03		none
SD	CHANNEL	SD002200	VOA	1,2-Dichloropropane	ug/kg	1.15E+00	ND	3.33E+02		3.45E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/kg	1.40E+00	ND	3.33E+02		4.20E-03		none
SD	CHANNEL	SWNPDES1	VOA	1,2-Dichloropropane	ug/kg	1.80E+00	ND	3.33E+02		5.41E-03		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloropropane	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloropropane	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloropropane	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,2-Dichloropropane	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,2-Dichloropropane	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloropropane	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SD003	VOA	1,2-Dichloropropane	UG/KG	7.50E+00	ND	3.33E+02		2.25E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	UG/KG	7.90E+00	ND	3.33E+02		2.37E-02		none
SD	CHANNEL	SD001	VOA	1,2-Dichloropropane	UG/KG	8.20E+00	ND	3.33E+02		2.46E-02		none
SD	CHANNEL	SD003	VOA	1,2-Dichloropropane	UG/KG	9.70E+00	ND	3.33E+02		2.91E-02		none
SD	CHANNEL	SD004	VOA	1,2-Dichloropropane	UG/KG	1.20E+01	ND	3.33E+02		3.60E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	UG/KG	1.20E+01	ND	3.33E+02		3.60E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,2-Dichloropropane	UG/KG	1.20E+01	ND	3.33E+02		3.60E-02		none
SD	CHANNEL	SD005	VOA	1,2-Dichloropropane	UG/KG	1.30E+01	ND	3.33E+02		3.90E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloropropane	UG/KG	1.30E+01	ND	3.33E+02		3.90E-02		none
SD	CHANNEL	SD004	VOA	1,2-Dichloropropane	UG/KG	1.90E+01	ND	3.33E+02		5.71E-02		none
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	ug/Kg	2.00E+01	ND	3.33E+02		6.01E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,2-Dichloropropane	ug/Kg	2.00E+01	ND	3.33E+02		6.01E-02		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloropropane	ug/Kg	2.00E+01	ND	3.33E+02		6.01E-02		none
SD	CHANNEL	SD001	VOA	1,2-Dichloropropane	UG/KG	2.10E+01	ND	3.33E+02		6.31E-02		none
SD	CHANNEL	SD005	VOA	1,2-Dichloropropane	UG/KG	5.50E+01	ND	3.33E+02		1.65E-01		none
SD	CHANNEL	SWSW	VOA	1,2-Dichloropropane	ug/Kg	6.00E+03	ND	3.33E+02		1.80E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	1,2-Dichloropropane	ug/Kg	6.00E+03	ND	3.33E+02		1.80E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	1,3,5-Trimethylbenzene	ug/kg	1.40E+00	ND	2.50E+01		5.60E-02		none
SD	CHANNEL	SWNPDES1	VOA	1,3,5-Trimethylbenzene	ug/kg	1.80E+00	ND	2.50E+01		7.20E-02		none
SD	CHANNEL	SWNPDES3	VOA	1,3-Dichloropropane	ug/kg	1.40E+00	ND	3.33E+02		4.20E-03		none
SD	CHANNEL	SWNPDES1	VOA	1,3-Dichloropropane	ug/kg	1.80E+00	ND	3.33E+02		5.41E-03		none
SD	CHANNEL	SWNPDES3	VOA	2,2-Dichloropropane	ug/kg	1.40E+00	ND	3.33E+02		4.20E-03		none
SD	CHANNEL	SWNPDES1	VOA	2,2-Dichloropropane	ug/kg	1.80E+00	ND	3.33E+02		5.41E-03		none
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	ug/kg	1.07E+00	ND	4.24E+01		2.52E-02		none
SD	CHANNEL	SD002200	VOA	2-Butanone	ug/kg	1.07E+00	ND	4.24E+01		2.53E-02		none
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	ug/kg	1.07E+00	ND	4.24E+01		2.53E-02		none
SD	CHANNEL	SWSW	VOA	2-Butanone	ug/kg	1.80E+00	DET	4.24E+01		4.25E-02		none
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	ug/kg	2.30E+00	DET	4.24E+01		5.42E-02		none
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	ug/kg	2.66E+00	ND	4.24E+01		6.27E-02		none
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/kg	2.66E+00	ND	4.24E+01		6.27E-02		none
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/kg	2.66E+00	ND	4.24E+01		6.27E-02		none
SD	CHANNEL	SWSW	VOA	2-Butanone	ug/kg	2.66E+00	ND	4.24E+01		6.27E-02		none
SD	CHANNEL	SWSW	VOA	2-Butanone	ug/kg	2.66E+00	ND	4.24E+01		6.27E-02		none
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	ug/kg	2.66E+00	ND	4.24E+01		6.27E-02		none
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/kg	2.70E+00	DET	4.24E+01		6.37E-02		none
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/kg	4.30E+00	DET	4.24E+01		1.01E-01		none
SD	CHANNEL	SD002200	VOA	2-Butanone	ug/kg	4.50E+00	DET	4.24E+01		1.06E-01		none
SD	CHANNEL	SWSW	VOA	2-Butanone	ug/kg	6.30E+00	DET	4.24E+01		1.49E-01		none
SD	CHANNEL	SD002200	VOA	2-Butanone	ug/kg	6.30E+00	DET	4.24E+01		1.49E-01		none
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/kg	7.20E+00	ND	4.24E+01		1.70E-01		none
SD	CHANNEL	SWNPDES1	VOA	2-Butanone	ug/kg	8.90E+00	ND	4.24E+01		2.10E-01		none
SD	CHANNEL	SD002200	VOA	2-Butanone	ug/kg	9.50E+00	DET	4.24E+01		2.24E-01		none
SD	CHANNEL	SWSW	VOA	2-Butanone	ug/kg	1.09E+01	DET	4.24E+01		2.57E-01		none
SD	CHANNEL	SD003	VOA	2-Butanone	UG/KG	1.50E+01	ND	4.24E+01		3.54E-01		none
SD	CHANNEL	SD001	VOA	2-Butanone	UG/KG	1.60E+01	ND	4.24E+01		3.77E-01		none
SD	CHANNEL	SD003	VOA	2-Butanone	UG/KG	1.90E+01	ND	4.24E+01		4.48E-01		none
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	UG/KG	1.90E+01	DET	4.24E+01		4.48E-01		none
SD	CHANNEL	SWNPDES1	VOA	2-Butanone	UG/KG	2.30E+01	ND	4.24E+01		5.42E-01		none
SD	CHANNEL	SWSW	VOA	2-Butanone	UG/KG	2.60E+01	ND	4.24E+01		6.13E-01		none
SD	CHANNEL	SD004	VOA	2-Butanone	UG/KG	2.90E+01	DET	4.24E+01		6.84E-01		none
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	UG/KG	3.10E+01	DET	4.24E+01		7.31E-01		none
SD	CHANNEL	SD004	VOA	2-Butanone	UG/KG	3.70E+01	ND	4.24E+01		8.73E-01		none
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/kg	3.88E+01	DET	4.24E+01		9.15E-01		none
SD	CHANNEL	SD001	VOA	2-Butanone	UG/KG	4.30E+01	ND	4.24E+01		1.01E+00		poss-ND
SD	CHANNEL	SD005	VOA	2-Butanone	UG/KG	4.70E+01	DET	4.24E+01		1.11E+00		poss-det
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWSW	VOA	2-Butanone	ug/Kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWSW	VOA	2-Butanone	ug/kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	ug/kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	ug/Kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWSW	VOA	2-Butanone	ug/kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/Kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	ug/kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	2-Butanone	ug/Kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	2-Butanone	ug/Kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	ug/kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/Kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	ug/Kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWSW	VOA	2-Butanone	ug/kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/Kg	5.00E+01	ND	4.24E+01		1.18E+00		poss-ND
SD	CHANNEL	SD005	VOA	2-Butanone	UG/KG	1.10E+02	ND	4.24E+01		2.59E+00		poss-ND
SD	CHANNEL	SWSW	VOA	2-Butanone	ug/Kg	2.50E+02	ND	4.24E+01		5.90E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	2-Butanone	ug/Kg	2.50E+02	ND	4.24E+01		5.90E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	ug/Kg	2.50E+02	ND	4.24E+01		5.90E+00		poss-ND
SD	CHANNEL	SWSW	VOA	2-Butanone	ug/Kg	6.20E+04	ND	4.24E+01		1.46E+03		poss-ND
SD	CHANNEL	SWNPDES2	VOA	2-Butanone	ug/Kg	6.20E+04	ND	4.24E+01		1.46E+03		poss-ND
SD	CHANNEL	SWNPDES3	VOA	2-Chlorotoluene	ug/kg	1.40E+00	ND	8.20E+02		1.71E-03		none
SD	CHANNEL	SWNPDES1	VOA	2-Chlorotoluene	ug/kg	1.80E+00	ND	8.20E+02		2.20E-03		none
SD	CHANNEL	SWSW	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	CHANNEL	SD002200	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	CHANNEL	SD002200	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	CHANNEL	SD002200	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	CHANNEL	SWSW	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	CHANNEL	SD002200	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/kg	1.30E+00	ND	5.82E+01		2.23E-02		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/kg	1.30E+00	ND	5.82E+01		2.23E-02		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/kg	1.30E+00	ND	5.82E+01		2.23E-02		none
SD	CHANNEL	SWSW	VOA	2-Hexanone	ug/kg	1.30E+00	ND	5.82E+01		2.23E-02		none
SD	CHANNEL	SWSW	VOA	2-Hexanone	ug/kg	1.30E+00	ND	5.82E+01		2.23E-02		none
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/kg	1.30E+00	ND	5.82E+01		2.23E-02		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/kg	7.20E+00	ND	5.82E+01		1.24E-01		none
SD	CHANNEL	SWNPDES1	VOA	2-Hexanone	ug/kg	8.90E+00	ND	5.82E+01		1.53E-01		none
SD	CHANNEL	SD003	VOA	2-Hexanone	UG/KG	1.50E+01	ND	5.82E+01		2.58E-01		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	UG/KG	1.60E+01	ND	5.82E+01		2.75E-01		none
SD	CHANNEL	SD001	VOA	2-Hexanone	UG/KG	1.60E+01	ND	5.82E+01		2.75E-01		none
SD	CHANNEL	SD003	VOA	2-Hexanone	UG/KG	1.90E+01	ND	5.82E+01		3.26E-01		none
SD	CHANNEL	SD004	VOA	2-Hexanone	UG/KG	2.30E+01	ND	5.82E+01		3.95E-01		none
SD	CHANNEL	SWNPDES1	VOA	2-Hexanone	UG/KG	2.30E+01	ND	5.82E+01		3.95E-01		none
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	UG/KG	2.40E+01	ND	5.82E+01		4.12E-01		none
SD	CHANNEL	SD005	VOA	2-Hexanone	UG/KG	2.50E+01	ND	5.82E+01		4.30E-01		none
SD	CHANNEL	SWSW	VOA	2-Hexanone	UG/KG	2.60E+01	ND	5.82E+01		4.47E-01		none
SD	CHANNEL	SD004	VOA	2-Hexanone	UG/KG	3.70E+01	ND	5.82E+01		6.36E-01		none
SD	CHANNEL	SD001	VOA	2-Hexanone	UG/KG	4.30E+01	ND	5.82E+01		7.39E-01		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWSW	VOA	2-Hexanone	ug/Kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWSW	VOA	2-Hexanone	ug/kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/Kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWSW	VOA	2-Hexanone	ug/kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/Kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/Kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/Kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWNPDES1	VOA	2-Hexanone	ug/Kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWNPDES1	VOA	2-Hexanone	ug/Kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/Kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SWSW	VOA	2-Hexanone	ug/kg	5.00E+01	ND	5.82E+01		8.59E-01		none
SD	CHANNEL	SD005	VOA	2-Hexanone	UG/KG	1.10E+02	ND	5.82E+01		1.89E+00		poss-ND
SD	CHANNEL	SWSW	VOA	2-Hexanone	ug/Kg	2.50E+02	ND	5.82E+01		4.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/Kg	2.50E+02	ND	5.82E+01		4.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	2-Hexanone	ug/Kg	2.50E+02	ND	5.82E+01		4.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	2-Hexanone	ug/Kg	6.20E+04	ND	5.82E+01		1.07E+03		poss-ND
SD	CHANNEL	SWSW	VOA	2-Hexanone	ug/Kg	6.20E+04	ND	5.82E+01		1.07E+03		poss-ND
SD	CHANNEL	SWNPDES3	VOA	4-Chlorotoluene	ug/kg	1.40E+00	ND	8.20E+02		1.71E-03		none
SD	CHANNEL	SWNPDES1	VOA	4-Chlorotoluene	ug/kg	1.80E+00	ND	8.20E+02		2.20E-03		none
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/kg	8.50E-01	ND	2.51E+01		3.39E-02		none
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/kg	8.50E-01	ND	2.51E+01		3.39E-02		none
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/kg	8.50E-01	ND	2.51E+01		3.39E-02		none
SD	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/kg	8.50E-01	ND	2.51E+01		3.39E-02		none
SD	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/kg	8.50E-01	ND	2.51E+01		3.39E-02		none
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/kg	8.50E-01	ND	2.51E+01		3.39E-02		none
SD	CHANNEL	SD002200	VOA	4-Methyl-2-pentanone	ug/kg	1.01E+00	ND	2.51E+01		4.04E-02		none
SD	CHANNEL	SD002200	VOA	4-Methyl-2-pentanone	ug/kg	1.01E+00	ND	2.51E+01		4.04E-02		none
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/kg	1.01E+00	ND	2.51E+01		4.04E-02		none
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/kg	1.01E+00	ND	2.51E+01		4.04E-02		none
SD	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/kg	1.01E+00	ND	2.51E+01		4.04E-02		none
SD	CHANNEL	SD002200	VOA	4-Methyl-2-pentanone	ug/kg	1.01E+00	ND	2.51E+01		4.04E-02		none
SD	CHANNEL	SD002200	VOA	4-Methyl-2-pentanone	ug/kg	1.01E+00	ND	2.51E+01		4.04E-02		none
SD	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/kg	1.43E+00	ND	2.51E+01		5.70E-02		none
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/kg	1.43E+00	ND	2.51E+01		5.70E-02		none
SD	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/kg	1.43E+00	ND	2.51E+01		5.70E-02		none
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/kg	1.43E+00	ND	2.51E+01		5.70E-02		none
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/kg	1.43E+00	ND	2.51E+01		5.70E-02		none
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/kg	1.43E+00	ND	2.51E+01		5.70E-02		none
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/kg	7.20E+00	ND	2.51E+01		2.87E-01		none
SD	CHANNEL	SWNPDES1	VOA	4-Methyl-2-pentanone	ug/kg	8.90E+00	ND	2.51E+01		3.55E-01		none
SD	CHANNEL	SD003	VOA	4-Methyl-2-pentanone	UG/KG	1.50E+01	ND	2.51E+01		5.98E-01		none
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	UG/KG	1.60E+01	ND	2.51E+01		6.37E-01		none
SD	CHANNEL	SD001	VOA	4-Methyl-2-pentanone	UG/KG	1.60E+01	ND	2.51E+01		6.37E-01		none
SD	CHANNEL	SD003	VOA	4-Methyl-2-pentanone	UG/KG	1.90E+01	ND	2.51E+01		7.57E-01		none
SD	CHANNEL	SD004	VOA	4-Methyl-2-pentanone	UG/KG	2.30E+01	ND	2.51E+01		9.16E-01		none
SD	CHANNEL	SWNPDES1	VOA	4-Methyl-2-pentanone	UG/KG	2.30E+01	ND	2.51E+01		9.16E-01		none
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	UG/KG	2.40E+01	ND	2.51E+01		9.56E-01		none
SD	CHANNEL	SD005	VOA	4-Methyl-2-pentanone	UG/KG	2.50E+01	ND	2.51E+01		9.96E-01		none
SD	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	UG/KG	2.60E+01	ND	2.51E+01		1.04E+00		poss-ND
SD	CHANNEL	SD004	VOA	4-Methyl-2-pentanone	UG/KG	3.70E+01	ND	2.51E+01		1.47E+00		poss-ND
SD	CHANNEL	SD001	VOA	4-Methyl-2-pentanone	UG/KG	4.30E+01	ND	2.51E+01		1.71E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/Kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/Kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/Kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/Kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	4-Methyl-2-pentanone	ug/Kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/Kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	4-Methyl-2-pentanone	ug/Kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/Kg	5.00E+01	ND	2.51E+01		1.99E+00		poss-ND
SD	CHANNEL	SD005	VOA	4-Methyl-2-pentanone	UG/KG	1.10E+02	ND	2.51E+01		4.38E+00		poss-ND
SD	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/Kg	2.50E+02	ND	2.51E+01		9.96E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	4-Methyl-2-pentanone	ug/Kg	2.50E+02	ND	2.51E+01		9.96E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/Kg	2.50E+02	ND	2.51E+01		9.96E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	4-Methyl-2-pentanone	ug/Kg	6.20E+04	ND	2.51E+01		2.47E+03		poss-ND
SD	CHANNEL	SWSW	VOA	4-Methyl-2-pentanone	ug/Kg	6.20E+04	ND	2.51E+01		2.47E+03		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/kg	2.76E+00	ND	9.90E+00		2.79E-01		none
SD	CHANNEL	SWSW	VOA	Acetone	ug/kg	2.76E+00	ND	9.90E+00		2.79E-01		none
SD	CHANNEL	SWNPDES2	VOA	Acetone	ug/kg	2.76E+00	ND	9.90E+00		2.79E-01		none
SD	CHANNEL	SWNPDES1	VOA	Acetone	ug/kg	8.90E+00	ND	9.90E+00		8.99E-01		none
SD	CHANNEL	SWSW	VOA	Acetone	ug/kg	1.13E+01	DET	9.90E+00		1.14E+00		poss-det
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/kg	1.14E+01	DET	9.90E+00		1.15E+00		poss-det
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/kg	1.18E+01	DET	9.90E+00		1.19E+00		poss-det
SD	CHANNEL	SWNPDES2	VOA	Acetone	ug/kg	1.22E+01	DET	9.90E+00		1.23E+00		poss-det
SD	CHANNEL	SWNPDES2	VOA	Acetone	ug/kg	1.26E+01	DET	9.90E+00		1.27E+00		poss-det
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/kg	1.35E+01	DET	9.90E+00		1.36E+00		poss-det
SD	CHANNEL	SWSW	VOA	Acetone	ug/kg	1.67E+01	DET	9.90E+00		1.69E+00		poss-det
SD	CHANNEL	SWNPDES2	VOA	Acetone	ug/kg	1.70E+01	DET	9.90E+00		1.72E+00		poss-det
SD	CHANNEL	SWNPDES2	VOA	Acetone	ug/kg	2.10E+01	DET	9.90E+00		2.12E+00		poss-det
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/kg	2.20E+01	DET	9.90E+00		2.22E+00		poss-det
SD	CHANNEL	SD002200	VOA	Acetone	ug/kg	2.23E+01	DET	9.90E+00		2.25E+00		poss-det
SD	CHANNEL	SWSW	VOA	Acetone	ug/kg	2.30E+01	DET	9.90E+00		2.32E+00		poss-det
SD	CHANNEL	SD002200	VOA	Acetone	ug/kg	2.38E+01	DET	9.90E+00		2.40E+00		poss-det
SD	CHANNEL	SD001	VOA	Acetone	UG/KG	2.70E+01	DET	9.90E+00		2.73E+00		poss-det
SD	CHANNEL	SD002200	VOA	Acetone	ug/kg	3.73E+01	DET	9.90E+00		3.77E+00		poss-det
SD	CHANNEL	SWSW	VOA	Acetone	ug/kg	3.98E+01	DET	9.90E+00		4.02E+00		poss-det
SD	CHANNEL	SD002200	VOA	Acetone	ug/kg	5.96E+01	DET	9.90E+00		6.02E+00		poss-det
SD	CHANNEL	SD003	VOA	Acetone	UG/KG	9.00E+01	DET	9.90E+00		9.09E+00		poss-det
SD	CHANNEL	SD004	VOA	Acetone	UG/KG	9.70E+01	DET	9.90E+00		9.80E+00		poss-det
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Acetone	ug/kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Acetone	ug/Kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Acetone	ug/Kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Acetone	ug/kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/Kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Acetone	ug/kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Acetone	ug/Kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Acetone	ug/Kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Acetone	ug/kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Acetone	ug/kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Acetone	ug/Kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Acetone	ug/kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/Kg	1.00E+02	ND	9.90E+00		1.01E+01		poss-ND
SD	CHANNEL	SD001	VOA	Acetone	UG/KG	1.10E+02	DET	9.90E+00		1.11E+01		poss-det
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/kg	1.15E+02	DET	9.90E+00		1.16E+01		poss-det
SD	CHANNEL	SWSW	VOA	Acetone	UG/KG	1.40E+02	DET	9.90E+00		1.41E+01		poss-det
SD	CHANNEL	SWNPDES2	VOA	Acetone	UG/KG	1.80E+02	DET	9.90E+00		1.82E+01		poss-det
SD	CHANNEL	SWNPDES3	VOA	Acetone	UG/KG	2.00E+02	DET	9.90E+00		2.02E+01		poss-det
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/Kg	2.00E+02	DET	9.90E+00		2.02E+01		poss-det
SD	CHANNEL	SWNPDES1	VOA	Acetone	UG/KG	2.10E+02	DET	9.90E+00		2.12E+01		poss-det
SD	CHANNEL	SD004	VOA	Acetone	UG/KG	2.20E+02	DET	9.90E+00		2.22E+01		poss-det
SD	CHANNEL	SD003	VOA	Acetone	UG/KG	2.50E+02	DET	9.90E+00		2.53E+01		poss-det
SD	CHANNEL	SD005	VOA	Acetone	UG/KG	3.10E+02	DET	9.90E+00		3.13E+01		poss-det
SD	CHANNEL	SD005	VOA	Acetone	UG/KG	4.80E+02	DET	9.90E+00		4.85E+01		poss-det
SD	CHANNEL	SWSW	VOA	Acetone	ug/Kg	5.00E+02	ND	9.90E+00		5.05E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Acetone	ug/Kg	5.00E+02	ND	9.90E+00		5.05E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Acetone	ug/Kg	5.00E+02	ND	9.90E+00		5.05E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Acetone	ug/Kg	1.25E+05	ND	9.90E+00		1.26E+04		poss-ND
SD	CHANNEL	SWSW	VOA	Acetone	ug/Kg	1.25E+05	ND	9.90E+00		1.26E+04		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Acrolein	ug/kg	7.20E+01	ND	1.52E-03		4.74E+04		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Acrolein	ug/kg	8.90E+01	ND	1.52E-03		5.86E+04		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Acrylonitrile	ug/kg	7.20E+00	ND	1.20E+00		6.00E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Acrylonitrile	ug/kg	8.90E+00	ND	1.20E+00		7.42E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Benzene	ug/kg	3.00E-01	ND	5.70E+01		5.26E-03		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/kg	3.00E-01	ND	5.70E+01		5.26E-03		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/kg	3.00E-01	ND	5.70E+01		5.26E-03		none
SD	CHANNEL	SWSW	VOA	Benzene	ug/kg	3.00E-01	ND	5.70E+01		5.26E-03		none
SD	CHANNEL	SWSW	VOA	Benzene	ug/kg	3.00E-01	ND	5.70E+01		5.26E-03		none
SD	CHANNEL	SWNPDES2	VOA	Benzene	ug/kg	3.00E-01	ND	5.70E+01		5.26E-03		none
SD	CHANNEL	SWSW	VOA	Benzene	ug/kg	5.40E-01	ND	5.70E+01		9.47E-03		none
SD	CHANNEL	SWNPDES2	VOA	Benzene	ug/kg	5.40E-01	ND	5.70E+01		9.47E-03		none
SD	CHANNEL	SWSW	VOA	Benzene	ug/kg	5.40E-01	ND	5.70E+01		9.47E-03		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/kg	5.40E-01	ND	5.70E+01		9.47E-03		none
SD	CHANNEL	SWNPDES2	VOA	Benzene	ug/kg	5.40E-01	ND	5.70E+01		9.47E-03		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/kg	5.40E-01	ND	5.70E+01		9.47E-03		none
SD	CHANNEL	SD002200	VOA	Benzene	ug/kg	9.38E-01	ND	5.70E+01		1.65E-02		none
SD	CHANNEL	SD002200	VOA	Benzene	ug/kg	9.38E-01	ND	5.70E+01		1.65E-02		none
SD	CHANNEL	SWNPDES2	VOA	Benzene	ug/kg	9.38E-01	ND	5.70E+01		1.65E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	VOA	Benzene	ug/kg	9.38E-01	ND	5.70E+01		1.65E-02		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/kg	9.38E-01	ND	5.70E+01		1.65E-02		none
SD	CHANNEL	SD002200	VOA	Benzene	ug/kg	9.38E-01	ND	5.70E+01		1.65E-02		none
SD	CHANNEL	SD002200	VOA	Benzene	ug/kg	9.38E-01	ND	5.70E+01		1.65E-02		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWSW	VOA	Benzene	ug/Kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWSW	VOA	Benzene	ug/kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWNPDES2	VOA	Benzene	ug/kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWSW	VOA	Benzene	ug/kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/Kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWNPDES2	VOA	Benzene	ug/kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/Kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWNPDES2	VOA	Benzene	ug/Kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWNPDES2	VOA	Benzene	ug/kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWSW	VOA	Benzene	ug/kg	1.00E+00	ND	5.70E+01		1.75E-02		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/kg	1.40E+00	ND	5.70E+01		2.46E-02		none
SD	CHANNEL	SWNPDES1	VOA	Benzene	ug/kg	1.80E+00	ND	5.70E+01		3.16E-02		none
SD	CHANNEL	SWNPDES2	VOA	Benzene	ug/Kg	2.00E+00	DET	5.70E+01		3.51E-02		none
SD	CHANNEL	SWSW	VOA	Benzene	ug/Kg	5.00E+00	ND	5.70E+01		8.77E-02		none
SD	CHANNEL	SWNPDES2	VOA	Benzene	ug/Kg	5.00E+00	ND	5.70E+01		8.77E-02		none
SD	CHANNEL	SWNPDES1	VOA	Benzene	ug/Kg	5.00E+00	ND	5.70E+01		8.77E-02		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/Kg	5.00E+00	ND	5.70E+01		8.77E-02		none
SD	CHANNEL	SWNPDES1	VOA	Benzene	UG/KG	5.30E+00	DET	5.70E+01		9.30E-02		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	UG/KG	7.90E+00	ND	5.70E+01		1.39E-01		none
SD	CHANNEL	SD001	VOA	Benzene	UG/KG	8.20E+00	ND	5.70E+01		1.44E-01		none
SD	CHANNEL	SD003	VOA	Benzene	UG/KG	9.70E+00	ND	5.70E+01		1.70E-01		none
SD	CHANNEL	SD004	VOA	Benzene	UG/KG	1.20E+01	ND	5.70E+01		2.11E-01		none
SD	CHANNEL	SWNPDES2	VOA	Benzene	UG/KG	1.20E+01	ND	5.70E+01		2.11E-01		none
SD	CHANNEL	SD005	VOA	Benzene	UG/KG	1.30E+01	ND	5.70E+01		2.28E-01		none
SD	CHANNEL	SD003	VOA	Benzene	UG/KG	1.40E+01	DET	5.70E+01		2.46E-01		none
SD	CHANNEL	SWNPDES1	VOA	Benzene	ug/Kg	1.40E+01	DET	5.70E+01		2.46E-01		none
SD	CHANNEL	SD004	VOA	Benzene	UG/KG	1.90E+01	ND	5.70E+01		3.33E-01		none
SD	CHANNEL	SD001	VOA	Benzene	UG/KG	2.10E+01	ND	5.70E+01		3.68E-01		none
SD	CHANNEL	SWNPDES3	VOA	Benzene	ug/Kg	7.00E+02	DET	5.70E+01		1.23E+01		poss-det
SD	CHANNEL	SD005	VOA	Benzene	UG/KG	1.20E+03	DET	5.70E+01		2.11E+01		poss-det
SD	CHANNEL	SWNPDES2	VOA	Benzene	ug/Kg	6.00E+03	ND	5.70E+01		1.05E+02		poss-ND
SD	CHANNEL	SWSW	VOA	Benzene	ug/Kg	6.00E+03	ND	5.70E+01		1.05E+02		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromobenzene	ug/kg	1.40E+00	ND	8.20E+02		1.71E-03		none
SD	CHANNEL	SWNPDES1	VOA	Bromobenzene	ug/kg	1.80E+00	ND	8.20E+02		2.20E-03		none
SD	CHANNEL	SWNPDES3	VOA	Bromochloromethane	ug/kg	1.40E+00	ND	1.37E+00		1.02E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Bromochloromethane	ug/kg	1.80E+00	ND	1.37E+00		1.31E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	ug/kg	2.50E-01	ND	1.37E+00		1.82E-01		none
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/kg	2.50E-01	ND	1.37E+00		1.82E-01		none
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/kg	2.50E-01	ND	1.37E+00		1.82E-01		none
SD	CHANNEL	SWSW	VOA	Bromodichloromethane	ug/kg	2.50E-01	ND	1.37E+00		1.82E-01		none
SD	CHANNEL	SWSW	VOA	Bromodichloromethane	ug/kg	2.50E-01	ND	1.37E+00		1.82E-01		none
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	ug/kg	2.50E-01	ND	1.37E+00		1.82E-01		none
SD	CHANNEL	SWSW	VOA	Bromodichloromethane	ug/kg	4.90E-01	ND	1.37E+00		3.58E-01		none
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	ug/kg	4.90E-01	ND	1.37E+00		3.58E-01		none
SD	CHANNEL	SWSW	VOA	Bromodichloromethane	ug/kg	4.90E-01	ND	1.37E+00		3.58E-01		none
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/kg	4.90E-01	ND	1.37E+00		3.58E-01		none
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	ug/kg	4.90E-01	ND	1.37E+00		3.58E-01		none
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/kg	4.90E-01	ND	1.37E+00		3.58E-01		none
SD	CHANNEL	SD002200	VOA	Bromodichloromethane	ug/kg	8.73E-01	ND	1.37E+00		6.37E-01		none
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	ug/kg	8.73E-01	ND	1.37E+00		6.37E-01		none
SD	CHANNEL	SD002200	VOA	Bromodichloromethane	ug/kg	8.73E-01	ND	1.37E+00		6.37E-01		none
SD	CHANNEL	SWSW	VOA	Bromodichloromethane	ug/kg	8.73E-01	ND	1.37E+00		6.37E-01		none
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/kg	8.73E-01	ND	1.37E+00		6.37E-01		none
SD	CHANNEL	SD002200	VOA	Bromodichloromethane	ug/kg	8.73E-01	ND	1.37E+00		6.37E-01		none
SD	CHANNEL	SD002200	VOA	Bromodichloromethane	ug/kg	8.73E-01	ND	1.37E+00		6.37E-01		none
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/kg	1.40E+00	ND	1.37E+00		1.02E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Bromodichloromethane	ug/kg	1.80E+00	ND	1.37E+00		1.31E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Bromodichloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Bromodichloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Bromodichloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Bromodichloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Bromodichloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Bromodichloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SD003	VOA	Bromodichloromethane	UG/KG	7.50E+00	ND	1.37E+00		5.47E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	UG/KG	7.90E+00	ND	1.37E+00		5.77E+00		poss-ND
SD	CHANNEL	SD001	VOA	Bromodichloromethane	UG/KG	8.20E+00	ND	1.37E+00		5.99E+00		poss-ND
SD	CHANNEL	SD003	VOA	Bromodichloromethane	UG/KG	9.70E+00	ND	1.37E+00		7.08E+00		poss-ND
SD	CHANNEL	SD004	VOA	Bromodichloromethane	UG/KG	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	UG/KG	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Bromodichloromethane	UG/KG	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	CHANNEL	SD005	VOA	Bromodichloromethane	UG/KG	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD004	VOA	Bromodichloromethane	UG/KG	1.90E+01	ND	1.37E+00		1.39E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Bromodichloromethane	ug/Kg	2.00E+01	ND	1.37E+00		1.46E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	ug/Kg	2.00E+01	ND	1.37E+00		1.46E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromodichloromethane	ug/Kg	2.00E+01	ND	1.37E+00		1.46E+01		poss-ND
SD	CHANNEL	SD001	VOA	Bromodichloromethane	UG/KG	2.10E+01	ND	1.37E+00		1.53E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Bromodichloromethane	UG/KG	2.20E+01	DET	1.37E+00		1.61E+01		poss-det
SD	CHANNEL	SD005	VOA	Bromodichloromethane	UG/KG	5.50E+01	ND	1.37E+00		4.01E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromodichloromethane	ug/Kg	6.00E+03	ND	1.37E+00		4.38E+03		poss-ND
SD	CHANNEL	SWSW	VOA	Bromodichloromethane	ug/Kg	6.00E+03	ND	1.37E+00		4.38E+03		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromoethane	ug/kg	2.90E+00	ND	1.37E+00		2.12E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Bromoethane	ug/kg	3.50E+00	ND	1.37E+00		2.55E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromoform	ug/kg	1.00E-01	ND	4.92E+02		2.03E-04		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/kg	1.00E-01	ND	4.92E+02		2.03E-04		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/kg	1.00E-01	ND	4.92E+02		2.03E-04		none
SD	CHANNEL	SWSW	VOA	Bromoform	ug/kg	1.00E-01	ND	4.92E+02		2.03E-04		none
SD	CHANNEL	SWSW	VOA	Bromoform	ug/kg	1.00E-01	ND	4.92E+02		2.03E-04		none
SD	CHANNEL	SWNPDES2	VOA	Bromoform	ug/kg	1.00E-01	ND	4.92E+02		2.03E-04		none
SD	CHANNEL	SWSW	VOA	Bromoform	ug/kg	3.50E-01	ND	4.92E+02		7.11E-04		none
SD	CHANNEL	SWNPDES2	VOA	Bromoform	ug/kg	3.50E-01	ND	4.92E+02		7.11E-04		none
SD	CHANNEL	SWSW	VOA	Bromoform	ug/kg	3.50E-01	ND	4.92E+02		7.11E-04		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/kg	3.50E-01	ND	4.92E+02		7.11E-04		none
SD	CHANNEL	SWNPDES2	VOA	Bromoform	ug/kg	3.50E-01	ND	4.92E+02		7.11E-04		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/kg	3.50E-01	ND	4.92E+02		7.11E-04		none
SD	CHANNEL	SD002200	VOA	Bromoform	ug/kg	6.65E-01	ND	4.92E+02		1.35E-03		none
SD	CHANNEL	SD002200	VOA	Bromoform	ug/kg	6.65E-01	ND	4.92E+02		1.35E-03		none
SD	CHANNEL	SWNPDES2	VOA	Bromoform	ug/kg	6.65E-01	ND	4.92E+02		1.35E-03		none
SD	CHANNEL	SWSW	VOA	Bromoform	ug/kg	6.65E-01	ND	4.92E+02		1.35E-03		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/kg	6.65E-01	ND	4.92E+02		1.35E-03		none
SD	CHANNEL	SD002200	VOA	Bromoform	ug/kg	6.65E-01	ND	4.92E+02		1.35E-03		none
SD	CHANNEL	SD002200	VOA	Bromoform	ug/kg	6.65E-01	ND	4.92E+02		1.35E-03		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/kg	1.40E+00	ND	4.92E+02		2.85E-03		none
SD	CHANNEL	SWNPDES1	VOA	Bromoform	ug/kg	1.80E+00	ND	4.92E+02		3.66E-03		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWSW	VOA	Bromoform	ug/Kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWSW	VOA	Bromoform	ug/kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/Kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWNPDES2	VOA	Bromoform	ug/kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWNPDES2	VOA	Bromoform	ug/Kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWSW	VOA	Bromoform	ug/kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWNPDES2	VOA	Bromoform	ug/kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWNPDES1	VOA	Bromoform	ug/Kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWNPDES2	VOA	Bromoform	ug/Kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWNPDES2	VOA	Bromoform	ug/kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWNPDES1	VOA	Bromoform	ug/Kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/Kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWSW	VOA	Bromoform	ug/kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/Kg	5.00E+00	ND	4.92E+02		1.02E-02		none
SD	CHANNEL	SD003	VOA	Bromoform	UG/KG	7.50E+00	ND	4.92E+02		1.52E-02		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	UG/KG	7.90E+00	ND	4.92E+02		1.61E-02		none
SD	CHANNEL	SD001	VOA	Bromoform	UG/KG	8.20E+00	ND	4.92E+02		1.67E-02		none
SD	CHANNEL	SD003	VOA	Bromoform	UG/KG	9.70E+00	ND	4.92E+02		1.97E-02		none
SD	CHANNEL	SD004	VOA	Bromoform	UG/KG	1.20E+01	ND	4.92E+02		2.44E-02		none
SD	CHANNEL	SWNPDES2	VOA	Bromoform	UG/KG	1.20E+01	ND	4.92E+02		2.44E-02		none
SD	CHANNEL	SWNPDES1	VOA	Bromoform	UG/KG	1.20E+01	ND	4.92E+02		2.44E-02		none
SD	CHANNEL	SD005	VOA	Bromoform	UG/KG	1.30E+01	ND	4.92E+02		2.64E-02		none
SD	CHANNEL	SWSW	VOA	Bromoform	UG/KG	1.30E+01	ND	4.92E+02		2.64E-02		none
SD	CHANNEL	SD004	VOA	Bromoform	UG/KG	1.90E+01	ND	4.92E+02		3.86E-02		none
SD	CHANNEL	SWSW	VOA	Bromoform	ug/Kg	2.00E+01	ND	4.92E+02		4.07E-02		none
SD	CHANNEL	SWNPDES2	VOA	Bromoform	ug/Kg	2.00E+01	ND	4.92E+02		4.07E-02		none
SD	CHANNEL	SWNPDES3	VOA	Bromoform	ug/Kg	2.00E+01	ND	4.92E+02		4.07E-02		none
SD	CHANNEL	SD001	VOA	Bromoform	UG/KG	2.10E+01	ND	4.92E+02		4.27E-02		none
SD	CHANNEL	SD005	VOA	Bromoform	UG/KG	5.50E+01	ND	4.92E+02		1.12E-01		none
SD	CHANNEL	SWNPDES2	VOA	Bromoform	ug/Kg	6.00E+03	ND	4.92E+02		1.22E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Bromoform	ug/Kg	6.00E+03	ND	4.92E+02		1.22E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Bromomethane	ug/kg	2.40E-01	ND	1.37E+00		1.75E-01		none
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/kg	2.40E-01	ND	1.37E+00		1.75E-01		none
SD	CHANNEL	SWSW	VOA	Bromomethane	ug/kg	2.40E-01	ND	1.37E+00		1.75E-01		none
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/kg	2.40E-01	ND	1.37E+00		1.75E-01		none
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/kg	2.40E-01	ND	1.37E+00		1.75E-01		none
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/kg	2.40E-01	ND	1.37E+00		1.75E-01		none
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/kg	3.10E-01	ND	1.37E+00		2.26E-01		none
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/kg	3.10E-01	ND	1.37E+00		2.26E-01		none
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/kg	3.10E-01	ND	1.37E+00		2.26E-01		none
SD	CHANNEL	SWSW	VOA	Bromomethane	ug/kg	3.10E-01	ND	1.37E+00		2.26E-01		none
SD	CHANNEL	SWSW	VOA	Bromomethane	ug/kg	3.10E-01	ND	1.37E+00		2.26E-01		none
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/kg	3.10E-01	ND	1.37E+00		2.26E-01		none
SD	CHANNEL	SD002200	VOA	Bromomethane	ug/kg	7.05E-01	ND	1.37E+00		5.15E-01		none
SD	CHANNEL	SD002200	VOA	Bromomethane	ug/kg	7.05E-01	ND	1.37E+00		5.15E-01		none
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/kg	7.05E-01	ND	1.37E+00		5.15E-01		none
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/kg	7.05E-01	ND	1.37E+00		5.15E-01		none
SD	CHANNEL	SWSW	VOA	Bromomethane	ug/kg	7.05E-01	ND	1.37E+00		5.15E-01		none
SD	CHANNEL	SD002200	VOA	Bromomethane	ug/kg	7.05E-01	ND	1.37E+00		5.15E-01		none
SD	CHANNEL	SD002200	VOA	Bromomethane	ug/kg	7.05E-01	ND	1.37E+00		5.15E-01		none
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/kg	2.90E+00	ND	1.37E+00		2.12E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Bromomethane	ug/kg	3.50E+00	ND	1.37E+00		2.55E+00		poss-ND
SD	CHANNEL	SD003	VOA	Bromomethane	UG/KG	7.50E+00	ND	1.37E+00		5.47E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Bromomethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	VOA	Bromomethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Bromomethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Bromomethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Bromomethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Bromomethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SD004	VOA	Bromomethane	UG/KG	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	UG/KG	1.60E+01	ND	1.37E+00		1.17E+01		poss-ND
SD	CHANNEL	SD001	VOA	Bromomethane	UG/KG	1.60E+01	ND	1.37E+00		1.17E+01		poss-ND
SD	CHANNEL	SD003	VOA	Bromomethane	UG/KG	1.90E+01	ND	1.37E+00		1.39E+01		poss-ND
SD	CHANNEL	SD001	VOA	Bromomethane	UG/KG	2.10E+01	ND	1.37E+00		1.53E+01		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Bromomethane	UG/KG	2.30E+01	ND	1.37E+00		1.68E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	UG/KG	2.40E+01	ND	1.37E+00		1.75E+01		poss-ND
SD	CHANNEL	SD005	VOA	Bromomethane	UG/KG	2.50E+01	ND	1.37E+00		1.82E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Bromomethane	UG/KG	2.60E+01	ND	1.37E+00		1.90E+01		poss-ND
SD	CHANNEL	SD004	VOA	Bromomethane	UG/KG	3.70E+01	ND	1.37E+00		2.70E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Bromomethane	ug/Kg	5.00E+01	ND	1.37E+00		3.65E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/Kg	5.00E+01	ND	1.37E+00		3.65E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Bromomethane	ug/Kg	5.00E+01	ND	1.37E+00		3.65E+01		poss-ND
SD	CHANNEL	SD005	VOA	Bromomethane	UG/KG	5.50E+01	ND	1.37E+00		4.01E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Bromomethane	ug/Kg	1.20E+04	ND	1.37E+00		8.76E+03		poss-ND
SD	CHANNEL	SWSW	VOA	Bromomethane	ug/Kg	1.20E+04	ND	1.37E+00		8.76E+03		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/kg	3.80E-01	ND	2.39E+01		1.59E-02		none
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/kg	3.80E-01	ND	2.39E+01		1.59E-02		none
SD	CHANNEL	SWSW	VOA	Carbon disulfide	ug/kg	3.80E-01	ND	2.39E+01		1.59E-02		none
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/kg	3.80E-01	ND	2.39E+01		1.59E-02		none
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/kg	6.00E-01	ND	2.39E+01		2.51E-02		none
SD	CHANNEL	SWSW	VOA	Carbon disulfide	ug/kg	6.00E-01	ND	2.39E+01		2.51E-02		none
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/kg	6.00E-01	ND	2.39E+01		2.51E-02		none
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/kg	6.00E-01	ND	2.39E+01		2.51E-02		none
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/kg	6.00E-01	ND	2.39E+01		2.51E-02		none
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/kg	7.39E-01	ND	2.39E+01		3.09E-02		none
SD	CHANNEL	SWSW	VOA	Carbon disulfide	ug/kg	7.39E-01	ND	2.39E+01		3.09E-02		none
SD	CHANNEL	SWSW	VOA	Carbon disulfide	ug/kg	1.00E+00	DET	2.39E+01		4.18E-02		none
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/kg	1.40E+00	ND	2.39E+01		5.86E-02		none
SD	CHANNEL	SWNPDES1	VOA	Carbon disulfide	ug/kg	1.80E+00	ND	2.39E+01		7.53E-02		none
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/kg	2.10E+00	DET	2.39E+01		8.79E-02		none
SD	CHANNEL	SD002200	VOA	Carbon disulfide	ug/kg	2.40E+00	DET	2.39E+01		1.00E-01		none
SD	CHANNEL	SD002200	VOA	Carbon disulfide	ug/kg	2.60E+00	DET	2.39E+01		1.09E-01		none
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/kg	2.70E+00	DET	2.39E+01		1.13E-01		none
SD	CHANNEL	SWSW	VOA	Carbon disulfide	ug/kg	2.70E+00	DET	2.39E+01		1.13E-01		none
SD	CHANNEL	SD002200	VOA	Carbon disulfide	ug/kg	3.10E+00	DET	2.39E+01		1.30E-01		none
SD	CHANNEL	SD002200	VOA	Carbon disulfide	ug/kg	3.80E+00	DET	2.39E+01		1.59E-01		none
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWSW	VOA	Carbon disulfide	ug/Kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWSW	VOA	Carbon disulfide	ug/kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/Kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWSW	VOA	Carbon disulfide	ug/kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWNPDES1	VOA	Carbon disulfide	ug/Kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWNPDES1	VOA	Carbon disulfide	ug/Kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/Kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWSW	VOA	Carbon disulfide	ug/kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/Kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/Kg	5.00E+00	ND	2.39E+01		2.09E-01		none
SD	CHANNEL	SD003	VOA	Carbon disulfide	UG/KG	7.50E+00	ND	2.39E+01		3.14E-01		none
SD	CHANNEL	SD001	VOA	Carbon disulfide	UG/KG	8.20E+00	ND	2.39E+01		3.43E-01		none
SD	CHANNEL	SD003	VOA	Carbon disulfide	UG/KG	9.70E+00	ND	2.39E+01		4.06E-01		none
SD	CHANNEL	SWNPDES1	VOA	Carbon disulfide	UG/KG	1.10E+01	DET	2.39E+01		4.60E-01		none
SD	CHANNEL	SD005	VOA	Carbon disulfide	UG/KG	1.30E+01	ND	2.39E+01		5.44E-01		none
SD	CHANNEL	SWSW	VOA	Carbon disulfide	UG/KG	1.80E+01	DET	2.39E+01		7.53E-01		none
SD	CHANNEL	SD004	VOA	Carbon disulfide	UG/KG	1.90E+01	ND	2.39E+01		7.95E-01		none
SD	CHANNEL	SWSW	VOA	Carbon disulfide	ug/Kg	2.00E+01	ND	2.39E+01		8.37E-01		none
SD	CHANNEL	SD004	VOA	Carbon disulfide	UG/KG	2.00E+01	DET	2.39E+01		8.37E-01		none
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	ug/Kg	2.00E+01	ND	2.39E+01		8.37E-01		none
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/Kg	2.00E+01	ND	2.39E+01		8.37E-01		none
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	UG/KG	2.80E+01	DET	2.39E+01		1.17E+00		poss-det
SD	CHANNEL	SWNPDES3	VOA	Carbon disulfide	UG/KG	2.90E+01	DET	2.39E+01		1.21E+00		poss-det
SD	CHANNEL	SD001	VOA	Carbon disulfide	UG/KG	3.90E+01	DET	2.39E+01		1.63E+00		poss-det
SD	CHANNEL	SD005	VOA	Carbon disulfide	UG/KG	5.50E+01	ND	2.39E+01		2.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Carbon disulfide	ug/Kg	6.00E+03	ND	2.39E+01		2.51E+02		poss-ND
SD	CHANNEL	SWSW	VOA	Carbon disulfide	ug/Kg	6.00E+03	ND	2.39E+01		2.51E+02		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/kg	1.90E-01	ND	1.45E+03		1.31E-04		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/kg	1.90E-01	ND	1.45E+03		1.31E-04		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/kg	1.90E-01	ND	1.45E+03		1.31E-04		none
SD	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/kg	1.90E-01	ND	1.45E+03		1.31E-04		none
SD	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/kg	1.90E-01	ND	1.45E+03		1.31E-04		none
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/kg	1.90E-01	ND	1.45E+03		1.31E-04		none
SD	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/kg	4.90E-01	ND	1.45E+03		3.38E-04		none
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/kg	4.90E-01	ND	1.45E+03		3.38E-04		none
SD	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/kg	4.90E-01	ND	1.45E+03		3.38E-04		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/kg	4.90E-01	ND	1.45E+03		3.38E-04		none
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/kg	4.90E-01	ND	1.45E+03		3.38E-04		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/kg	4.90E-01	ND	1.45E+03		3.38E-04		none
SD	CHANNEL	SD002200	VOA	Carbon tetrachloride	ug/kg	7.44E-01	ND	1.45E+03		5.13E-04		none
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/kg	7.44E-01	ND	1.45E+03		5.13E-04		none
SD	CHANNEL	SD002200	VOA	Carbon tetrachloride	ug/kg	7.44E-01	ND	1.45E+03		5.13E-04		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/kg	7.44E-01	ND	1.45E+03		5.13E-04		none
SD	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/kg	7.44E-01	ND	1.45E+03		5.13E-04		none
SD	CHANNEL	SD002200	VOA	Carbon tetrachloride	ug/kg	7.44E-01	ND	1.45E+03		5.13E-04		none
SD	CHANNEL	SD002200	VOA	Carbon tetrachloride	ug/kg	7.44E-01	ND	1.45E+03		5.13E-04		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/kg	1.40E+00	ND	1.45E+03		9.66E-04		none
SD	CHANNEL	SWNPDES1	VOA	Carbon tetrachloride	ug/kg	1.80E+00	ND	1.45E+03		1.24E-03		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/Kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/Kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/Kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWNPDES1	VOA	Carbon tetrachloride	ug/Kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/Kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWNPDES1	VOA	Carbon tetrachloride	ug/Kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/Kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/Kg	5.00E+00	ND	1.45E+03		3.45E-03		none
SD	CHANNEL	SD003	VOA	Carbon tetrachloride	UG/KG	7.50E+00	ND	1.45E+03		5.17E-03		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	UG/KG	7.90E+00	ND	1.45E+03		5.45E-03		none
SD	CHANNEL	SD001	VOA	Carbon tetrachloride	UG/KG	8.20E+00	ND	1.45E+03		5.66E-03		none
SD	CHANNEL	SD003	VOA	Carbon tetrachloride	UG/KG	9.70E+00	ND	1.45E+03		6.69E-03		none
SD	CHANNEL	SD004	VOA	Carbon tetrachloride	UG/KG	1.20E+01	ND	1.45E+03		8.28E-03		none
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	UG/KG	1.20E+01	ND	1.45E+03		8.28E-03		none
SD	CHANNEL	SWNPDES1	VOA	Carbon tetrachloride	UG/KG	1.20E+01	ND	1.45E+03		8.28E-03		none
SD	CHANNEL	SD005	VOA	Carbon tetrachloride	UG/KG	1.30E+01	ND	1.45E+03		8.97E-03		none
SD	CHANNEL	SWSW	VOA	Carbon tetrachloride	UG/KG	1.30E+01	ND	1.45E+03		8.97E-03		none
SD	CHANNEL	SD004	VOA	Carbon tetrachloride	UG/KG	1.90E+01	ND	1.45E+03		1.31E-02		none
SD	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/Kg	2.00E+01	ND	1.45E+03		1.38E-02		none
SD	CHANNEL	SWNPDES3	VOA	Carbon tetrachloride	ug/Kg	2.00E+01	ND	1.45E+03		1.38E-02		none
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/Kg	2.00E+01	ND	1.45E+03		1.38E-02		none
SD	CHANNEL	SD001	VOA	Carbon tetrachloride	UG/KG	2.10E+01	ND	1.45E+03		1.45E-02		none
SD	CHANNEL	SD005	VOA	Carbon tetrachloride	UG/KG	5.50E+01	ND	1.45E+03		3.79E-02		none
SD	CHANNEL	SWNPDES2	VOA	Carbon tetrachloride	ug/Kg	6.00E+03	ND	1.45E+03		4.14E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Carbon tetrachloride	ug/Kg	6.00E+03	ND	1.45E+03		4.14E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/kg	1.70E-01	ND	8.20E+02		2.07E-04		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/kg	1.70E-01	ND	8.20E+02		2.07E-04		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/kg	1.70E-01	ND	8.20E+02		2.07E-04		none
SD	CHANNEL	SWSW	VOA	Chlorobenzene	ug/kg	1.70E-01	ND	8.20E+02		2.07E-04		none
SD	CHANNEL	SWSW	VOA	Chlorobenzene	ug/kg	1.70E-01	ND	8.20E+02		2.07E-04		none
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/kg	1.70E-01	ND	8.20E+02		2.07E-04		none
SD	CHANNEL	SWSW	VOA	Chlorobenzene	ug/kg	3.80E-01	ND	8.20E+02		4.63E-04		none
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/kg	3.80E-01	ND	8.20E+02		4.63E-04		none
SD	CHANNEL	SWSW	VOA	Chlorobenzene	ug/kg	3.80E-01	ND	8.20E+02		4.63E-04		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/kg	3.80E-01	ND	8.20E+02		4.63E-04		none
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/kg	3.80E-01	ND	8.20E+02		4.63E-04		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/kg	3.80E-01	ND	8.20E+02		4.63E-04		none
SD	CHANNEL	SD002200	VOA	Chlorobenzene	ug/kg	6.97E-01	ND	8.20E+02		8.50E-04		none
SD	CHANNEL	SD002200	VOA	Chlorobenzene	ug/kg	6.97E-01	ND	8.20E+02		8.50E-04		none
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/kg	6.97E-01	ND	8.20E+02		8.50E-04		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/kg	6.97E-01	ND	8.20E+02		8.50E-04		none
SD	CHANNEL	SWSW	VOA	Chlorobenzene	ug/kg	6.97E-01	ND	8.20E+02		8.50E-04		none
SD	CHANNEL	SD002200	VOA	Chlorobenzene	ug/kg	6.97E-01	ND	8.20E+02		8.50E-04		none
SD	CHANNEL	SD002200	VOA	Chlorobenzene	ug/kg	6.97E-01	ND	8.20E+02		8.50E-04		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/kg	1.40E+00	ND	8.20E+02		1.71E-03		none
SD	CHANNEL	SWNPDES1	VOA	Chlorobenzene	ug/kg	1.80E+00	ND	8.20E+02		2.20E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWSW	VOA	Chlorobenzene	ug/Kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWSW	VOA	Chlorobenzene	ug/kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/Kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/Kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/Kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWSW	VOA	Chlorobenzene	ug/kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWNPDES1	VOA	Chlorobenzene	ug/Kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWNPDES1	VOA	Chlorobenzene	ug/Kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/Kg	5.00E+00	ND	8.20E+02		6.10E-03		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	VOA	Chlorobenzene	ug/kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/Kg	5.00E+00	ND	8.20E+02		6.10E-03		none
SD	CHANNEL	SD003	VOA	Chlorobenzene	UG/KG	7.50E+00	ND	8.20E+02		9.15E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	UG/KG	7.90E+00	ND	8.20E+02		9.63E-03		none
SD	CHANNEL	SD001	VOA	Chlorobenzene	UG/KG	8.20E+00	ND	8.20E+02		1.00E-02		none
SD	CHANNEL	SD003	VOA	Chlorobenzene	UG/KG	9.70E+00	ND	8.20E+02		1.18E-02		none
SD	CHANNEL	SD004	VOA	Chlorobenzene	UG/KG	1.20E+01	ND	8.20E+02		1.46E-02		none
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	UG/KG	1.20E+01	ND	8.20E+02		1.46E-02		none
SD	CHANNEL	SWNPDES1	VOA	Chlorobenzene	UG/KG	1.20E+01	ND	8.20E+02		1.46E-02		none
SD	CHANNEL	SD005	VOA	Chlorobenzene	UG/KG	1.30E+01	ND	8.20E+02		1.59E-02		none
SD	CHANNEL	SD004	VOA	Chlorobenzene	UG/KG	1.90E+01	ND	8.20E+02		2.32E-02		none
SD	CHANNEL	SWSW	VOA	Chlorobenzene	ug/Kg	2.00E+01	ND	8.20E+02		2.44E-02		none
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/Kg	2.00E+01	ND	8.20E+02		2.44E-02		none
SD	CHANNEL	SWNPDES3	VOA	Chlorobenzene	ug/Kg	2.00E+01	ND	8.20E+02		2.44E-02		none
SD	CHANNEL	SD001	VOA	Chlorobenzene	UG/KG	2.10E+01	ND	8.20E+02		2.56E-02		none
SD	CHANNEL	SD005	VOA	Chlorobenzene	UG/KG	5.50E+01	ND	8.20E+02		6.71E-02		none
SD	CHANNEL	SWNPDES2	VOA	Chlorobenzene	ug/Kg	6.00E+03	ND	8.20E+02		7.32E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Chlorobenzene	ug/Kg	6.00E+03	ND	8.20E+02		7.32E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Chloroethane	ug/kg	6.30E-01	ND	1.37E+00		4.60E-01		none
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	ug/kg	6.30E-01	ND	1.37E+00		4.60E-01		none
SD	CHANNEL	SWSW	VOA	Chloroethane	ug/kg	6.30E-01	ND	1.37E+00		4.60E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/kg	6.30E-01	ND	1.37E+00		4.60E-01		none
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	ug/kg	6.30E-01	ND	1.37E+00		4.60E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/kg	6.30E-01	ND	1.37E+00		4.60E-01		none
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	ug/kg	8.40E-01	ND	1.37E+00		6.13E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/kg	8.40E-01	ND	1.37E+00		6.13E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/kg	8.40E-01	ND	1.37E+00		6.13E-01		none
SD	CHANNEL	SWSW	VOA	Chloroethane	ug/kg	8.40E-01	ND	1.37E+00		6.13E-01		none
SD	CHANNEL	SWSW	VOA	Chloroethane	ug/kg	8.40E-01	ND	1.37E+00		6.13E-01		none
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	ug/kg	8.40E-01	ND	1.37E+00		6.13E-01		none
SD	CHANNEL	SD002200	VOA	Chloroethane	ug/kg	8.99E-01	ND	1.37E+00		6.56E-01		none
SD	CHANNEL	SD002200	VOA	Chloroethane	ug/kg	8.99E-01	ND	1.37E+00		6.56E-01		none
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	ug/kg	8.99E-01	ND	1.37E+00		6.56E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/kg	8.99E-01	ND	1.37E+00		6.56E-01		none
SD	CHANNEL	SWSW	VOA	Chloroethane	ug/kg	8.99E-01	ND	1.37E+00		6.56E-01		none
SD	CHANNEL	SD002200	VOA	Chloroethane	ug/kg	8.99E-01	ND	1.37E+00		6.56E-01		none
SD	CHANNEL	SD002200	VOA	Chloroethane	ug/kg	8.99E-01	ND	1.37E+00		6.56E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/kg	2.90E+00	ND	1.37E+00		2.12E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Chloroethane	ug/kg	3.50E+00	ND	1.37E+00		2.55E+00		poss-ND
SD	CHANNEL	SD003	VOA	Chloroethane	UG/KG	7.50E+00	ND	1.37E+00		5.47E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Chloroethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Chloroethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Chloroethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Chloroethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Chloroethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Chloroethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SD004	VOA	Chloroethane	UG/KG	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	UG/KG	1.60E+01	ND	1.37E+00		1.17E+01		poss-ND
SD	CHANNEL	SD001	VOA	Chloroethane	UG/KG	1.60E+01	ND	1.37E+00		1.17E+01		poss-ND
SD	CHANNEL	SD003	VOA	Chloroethane	UG/KG	1.90E+01	ND	1.37E+00		1.39E+01		poss-ND
SD	CHANNEL	SD001	VOA	Chloroethane	UG/KG	2.10E+01	ND	1.37E+00		1.53E+01		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Chloroethane	UG/KG	2.30E+01	ND	1.37E+00		1.68E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	UG/KG	2.40E+01	ND	1.37E+00		1.75E+01		poss-ND
SD	CHANNEL	SD005	VOA	Chloroethane	UG/KG	2.50E+01	ND	1.37E+00		1.82E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Chloroethane	UG/KG	2.60E+01	ND	1.37E+00		1.90E+01		poss-ND
SD	CHANNEL	SD004	VOA	Chloroethane	UG/KG	3.70E+01	ND	1.37E+00		2.70E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Chloroethane	ug/Kg	5.00E+01	ND	1.37E+00		3.65E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloroethane	ug/Kg	5.00E+01	ND	1.37E+00		3.65E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	ug/Kg	5.00E+01	ND	1.37E+00		3.65E+01		poss-ND
SD	CHANNEL	SD005	VOA	Chloroethane	UG/KG	5.50E+01	ND	1.37E+00		4.01E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloroethane	ug/Kg	1.20E+04	ND	1.37E+00		8.76E+03		poss-ND
SD	CHANNEL	SWSW	VOA	Chloroethane	ug/Kg	1.20E+04	ND	1.37E+00		8.76E+03		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloroform	ug/kg	1.80E-01	ND	1.21E+02		1.49E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/kg	1.80E-01	ND	1.21E+02		1.49E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/kg	1.80E-01	ND	1.21E+02		1.49E-03		none
SD	CHANNEL	SWSW	VOA	Chloroform	ug/kg	1.80E-01	ND	1.21E+02		1.49E-03		none
SD	CHANNEL	SWSW	VOA	Chloroform	ug/kg	1.80E-01	ND	1.21E+02		1.49E-03		none
SD	CHANNEL	SWNPDES2	VOA	Chloroform	ug/kg	1.80E-01	ND	1.21E+02		1.49E-03		none
SD	CHANNEL	SWSW	VOA	Chloroform	ug/kg	5.90E-01	ND	1.21E+02		4.88E-03		none
SD	CHANNEL	SWNPDES2	VOA	Chloroform	ug/kg	5.90E-01	ND	1.21E+02		4.88E-03		none
SD	CHANNEL	SWSW	VOA	Chloroform	ug/kg	5.90E-01	ND	1.21E+02		4.88E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/kg	5.90E-01	ND	1.21E+02		4.88E-03		none
SD	CHANNEL	SWNPDES2	VOA	Chloroform	ug/kg	5.90E-01	ND	1.21E+02		4.88E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/kg	5.90E-01	ND	1.21E+02		4.88E-03		none
SD	CHANNEL	SD002200	VOA	Chloroform	ug/kg	7.89E-01	ND	1.21E+02		6.52E-03		none
SD	CHANNEL	SD002200	VOA	Chloroform	ug/kg	7.89E-01	ND	1.21E+02		6.52E-03		none
SD	CHANNEL	SWNPDES2	VOA	Chloroform	ug/kg	7.89E-01	ND	1.21E+02		6.52E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/kg	7.89E-01	ND	1.21E+02		6.52E-03		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	VOA	Chloroform	ug/kg	7.89E-01	ND	1.21E+02		6.52E-03		none
SD	CHANNEL	SD002200	VOA	Chloroform	ug/kg	7.89E-01	ND	1.21E+02		6.52E-03		none
SD	CHANNEL	SD002200	VOA	Chloroform	ug/kg	7.89E-01	ND	1.21E+02		6.52E-03		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/kg	1.40E+00	ND	1.21E+02		1.16E-02		none
SD	CHANNEL	SWNPDES1	VOA	Chloroform	ug/kg	1.80E+00	ND	1.21E+02		1.49E-02		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWSW	VOA	Chloroform	ug/kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWSW	VOA	Chloroform	ug/Kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWNPDES2	VOA	Chloroform	ug/kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWNPDES2	VOA	Chloroform	ug/Kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWSW	VOA	Chloroform	ug/kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/Kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWNPDES2	VOA	Chloroform	ug/kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWNPDES1	VOA	Chloroform	ug/Kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWNPDES2	VOA	Chloroform	ug/kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWNPDES1	VOA	Chloroform	ug/Kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWNPDES2	VOA	Chloroform	ug/Kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/Kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWSW	VOA	Chloroform	ug/kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/Kg	5.00E+00	ND	1.21E+02		4.13E-02		none
SD	CHANNEL	SD003	VOA	Chloroform	UG/KG	7.50E+00	ND	1.21E+02		6.20E-02		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	UG/KG	7.90E+00	ND	1.21E+02		6.53E-02		none
SD	CHANNEL	SD001	VOA	Chloroform	UG/KG	8.20E+00	ND	1.21E+02		6.78E-02		none
SD	CHANNEL	SD003	VOA	Chloroform	UG/KG	9.70E+00	ND	1.21E+02		8.02E-02		none
SD	CHANNEL	SD004	VOA	Chloroform	UG/KG	1.20E+01	ND	1.21E+02		9.92E-02		none
SD	CHANNEL	SWNPDES2	VOA	Chloroform	UG/KG	1.20E+01	ND	1.21E+02		9.92E-02		none
SD	CHANNEL	SWNPDES1	VOA	Chloroform	UG/KG	1.20E+01	ND	1.21E+02		9.92E-02		none
SD	CHANNEL	SD005	VOA	Chloroform	UG/KG	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	CHANNEL	SWSW	VOA	Chloroform	UG/KG	1.30E+01	ND	1.21E+02		1.07E-01		none
SD	CHANNEL	SD004	VOA	Chloroform	UG/KG	1.90E+01	ND	1.21E+02		1.57E-01		none
SD	CHANNEL	SWSW	VOA	Chloroform	ug/Kg	2.00E+01	ND	1.21E+02		1.65E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloroform	ug/Kg	2.00E+01	ND	1.21E+02		1.65E-01		none
SD	CHANNEL	SWNPDES2	VOA	Chloroform	ug/Kg	2.00E+01	ND	1.21E+02		1.65E-01		none
SD	CHANNEL	SD001	VOA	Chloroform	UG/KG	2.10E+01	ND	1.21E+02		1.74E-01		none
SD	CHANNEL	SD005	VOA	Chloroform	UG/KG	5.50E+01	ND	1.21E+02		4.55E-01		none
SD	CHANNEL	SWNPDES2	VOA	Chloroform	ug/Kg	6.00E+03	ND	1.21E+02		4.96E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Chloroform	ug/Kg	6.00E+03	ND	1.21E+02		4.96E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Chloromethane	ug/kg	4.30E-01	ND	1.37E+00		3.14E-01		none
SD	CHANNEL	SWSW	VOA	Chloromethane	ug/kg	4.30E-01	ND	1.37E+00		3.14E-01		none
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	ug/kg	4.30E-01	ND	1.37E+00		3.14E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/kg	4.30E-01	ND	1.37E+00		3.14E-01		none
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	ug/kg	4.30E-01	ND	1.37E+00		3.14E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/kg	4.30E-01	ND	1.37E+00		3.14E-01		none
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	ug/kg	7.00E-01	ND	1.37E+00		5.11E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/kg	7.00E-01	ND	1.37E+00		5.11E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/kg	7.00E-01	ND	1.37E+00		5.11E-01		none
SD	CHANNEL	SWSW	VOA	Chloromethane	ug/kg	7.00E-01	ND	1.37E+00		5.11E-01		none
SD	CHANNEL	SWSW	VOA	Chloromethane	ug/kg	7.00E-01	ND	1.37E+00		5.11E-01		none
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	ug/kg	7.00E-01	ND	1.37E+00		5.11E-01		none
SD	CHANNEL	SD002200	VOA	Chloromethane	ug/kg	7.20E-01	ND	1.37E+00		5.26E-01		none
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	ug/kg	7.20E-01	ND	1.37E+00		5.26E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/kg	7.20E-01	ND	1.37E+00		5.26E-01		none
SD	CHANNEL	SWSW	VOA	Chloromethane	ug/kg	7.20E-01	ND	1.37E+00		5.26E-01		none
SD	CHANNEL	SD002200	VOA	Chloromethane	ug/kg	7.20E-01	ND	1.37E+00		5.26E-01		none
SD	CHANNEL	SD002200	VOA	Chloromethane	ug/kg	7.20E-01	ND	1.37E+00		5.26E-01		none
SD	CHANNEL	SD002200	VOA	Chloromethane	ug/kg	7.20E-01	ND	1.37E+00		5.26E-01		none
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/kg	2.90E+00	ND	1.37E+00		2.12E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Chloromethane	ug/kg	3.50E+00	ND	1.37E+00		2.55E+00		poss-ND
SD	CHANNEL	SD003	VOA	Chloromethane	UG/KG	7.50E+00	ND	1.37E+00		5.47E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Chloromethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Chloromethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Chloromethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Chloromethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Chloromethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Chloromethane	ug/kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/Kg	1.00E+01	ND	1.37E+00		7.30E+00		poss-ND
SD	CHANNEL	SD004	VOA	Chloromethane	UG/KG	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	UG/KG	1.60E+01	ND	1.37E+00		1.17E+01		poss-ND
SD	CHANNEL	SD001	VOA	Chloromethane	UG/KG	1.60E+01	ND	1.37E+00		1.17E+01		poss-ND
SD	CHANNEL	SD003	VOA	Chloromethane	UG/KG	1.90E+01	ND	1.37E+00		1.39E+01		poss-ND
SD	CHANNEL	SD001	VOA	Chloromethane	UG/KG	2.10E+01	ND	1.37E+00		1.53E+01		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Chloromethane	UG/KG	2.30E+01	ND	1.37E+00		1.68E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	UG/KG	2.40E+01	ND	1.37E+00		1.75E+01		poss-ND
SD	CHANNEL	SD005	VOA	Chloromethane	UG/KG	2.50E+01	ND	1.37E+00		1.82E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Chloromethane	UG/KG	2.60E+01	ND	1.37E+00		1.90E+01		poss-ND
SD	CHANNEL	SD004	VOA	Chloromethane	UG/KG	3.70E+01	ND	1.37E+00		2.70E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Chloromethane	ug/Kg	5.00E+01	ND	1.37E+00		3.65E+01		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES3	VOA	Chloromethane	ug/Kg	5.00E+01	ND	1.37E+00		3.65E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	ug/Kg	5.00E+01	ND	1.37E+00		3.65E+01		poss-ND
SD	CHANNEL	SD005	VOA	Chloromethane	UG/KG	5.50E+01	ND	1.37E+00		4.01E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Chloromethane	ug/Kg	1.20E+04	ND	1.37E+00		8.76E+03		poss-ND
SD	CHANNEL	SWSW	VOA	Chloromethane	ug/Kg	1.20E+04	ND	1.37E+00		8.76E+03		poss-ND
SD	CHANNEL	SWNPDES3	VOA	cis-1,2-Dichloroethene	ug/kg	1.40E+00	ND	1.94E+01		7.22E-02		none
SD	CHANNEL	SWNPDES1	VOA	cis-1,2-Dichloroethene	ug/kg	1.80E+00	ND	1.94E+01		9.28E-02		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	ug/kg	2.40E-01	ND	3.33E+02		7.21E-04		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/kg	2.40E-01	ND	3.33E+02		7.21E-04		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/kg	2.40E-01	ND	3.33E+02		7.21E-04		none
SD	CHANNEL	SWSW	VOA	cis-1,3-Dichloropropene	ug/kg	2.40E-01	ND	3.33E+02		7.21E-04		none
SD	CHANNEL	SWSW	VOA	cis-1,3-Dichloropropene	ug/kg	2.40E-01	ND	3.33E+02		7.21E-04		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	ug/kg	2.40E-01	ND	3.33E+02		7.21E-04		none
SD	CHANNEL	SWSW	VOA	cis-1,3-Dichloropropene	ug/kg	4.40E-01	ND	3.33E+02		1.32E-03		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	ug/kg	4.40E-01	ND	3.33E+02		1.32E-03		none
SD	CHANNEL	SWSW	VOA	cis-1,3-Dichloropropene	ug/kg	4.40E-01	ND	3.33E+02		1.32E-03		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/kg	4.40E-01	ND	3.33E+02		1.32E-03		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	ug/kg	4.40E-01	ND	3.33E+02		1.32E-03		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/kg	4.40E-01	ND	3.33E+02		1.32E-03		none
SD	CHANNEL	SD002200	VOA	cis-1,3-Dichloropropene	ug/kg	9.29E-01	ND	3.33E+02		2.79E-03		none
SD	CHANNEL	SD002200	VOA	cis-1,3-Dichloropropene	ug/kg	9.29E-01	ND	3.33E+02		2.79E-03		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	ug/kg	9.29E-01	ND	3.33E+02		2.79E-03		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/kg	9.29E-01	ND	3.33E+02		2.79E-03		none
SD	CHANNEL	SWSW	VOA	cis-1,3-Dichloropropene	ug/kg	9.29E-01	ND	3.33E+02		2.79E-03		none
SD	CHANNEL	SD002200	VOA	cis-1,3-Dichloropropene	ug/kg	9.29E-01	ND	3.33E+02		2.79E-03		none
SD	CHANNEL	SD002200	VOA	cis-1,3-Dichloropropene	ug/kg	9.29E-01	ND	3.33E+02		2.79E-03		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/kg	1.40E+00	ND	3.33E+02		4.20E-03		none
SD	CHANNEL	SWNPDES1	VOA	cis-1,3-Dichloropropene	ug/kg	1.80E+00	ND	3.33E+02		5.41E-03		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWSW	VOA	cis-1,3-Dichloropropene	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWSW	VOA	cis-1,3-Dichloropropene	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWSW	VOA	cis-1,3-Dichloropropene	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES1	VOA	cis-1,3-Dichloropropene	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES1	VOA	cis-1,3-Dichloropropene	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWSW	VOA	cis-1,3-Dichloropropene	ug/kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/Kg	5.00E+00	ND	3.33E+02		1.50E-02		none
SD	CHANNEL	SD003	VOA	cis-1,3-Dichloropropene	UG/KG	7.50E+00	ND	3.33E+02		2.25E-02		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	UG/KG	7.90E+00	ND	3.33E+02		2.37E-02		none
SD	CHANNEL	SD001	VOA	cis-1,3-Dichloropropene	UG/KG	8.20E+00	ND	3.33E+02		2.46E-02		none
SD	CHANNEL	SD003	VOA	cis-1,3-Dichloropropene	UG/KG	9.70E+00	ND	3.33E+02		2.91E-02		none
SD	CHANNEL	SD004	VOA	cis-1,3-Dichloropropene	UG/KG	1.20E+01	ND	3.33E+02		3.60E-02		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	UG/KG	1.20E+01	ND	3.33E+02		3.60E-02		none
SD	CHANNEL	SWNPDES1	VOA	cis-1,3-Dichloropropene	UG/KG	1.20E+01	ND	3.33E+02		3.60E-02		none
SD	CHANNEL	SD005	VOA	cis-1,3-Dichloropropene	UG/KG	1.30E+01	ND	3.33E+02		3.90E-02		none
SD	CHANNEL	SWSW	VOA	cis-1,3-Dichloropropene	UG/KG	1.30E+01	ND	3.33E+02		3.90E-02		none
SD	CHANNEL	SD004	VOA	cis-1,3-Dichloropropene	UG/KG	1.90E+01	ND	3.33E+02		5.71E-02		none
SD	CHANNEL	SWSW	VOA	cis-1,3-Dichloropropene	ug/Kg	2.00E+01	ND	3.33E+02		6.01E-02		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	ug/Kg	2.00E+01	ND	3.33E+02		6.01E-02		none
SD	CHANNEL	SWNPDES3	VOA	cis-1,3-Dichloropropene	ug/Kg	2.00E+01	ND	3.33E+02		6.01E-02		none
SD	CHANNEL	SD001	VOA	cis-1,3-Dichloropropene	UG/KG	2.10E+01	ND	3.33E+02		6.31E-02		none
SD	CHANNEL	SD005	VOA	cis-1,3-Dichloropropene	UG/KG	5.50E+01	ND	3.33E+02		1.65E-01		none
SD	CHANNEL	SWNPDES2	VOA	cis-1,3-Dichloropropene	ug/Kg	6.00E+03	ND	3.33E+02		1.80E+01		poss-ND
SD	CHANNEL	SWSW	VOA	cis-1,3-Dichloropropene	ug/Kg	6.00E+03	ND	3.33E+02		1.80E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	ug/kg	2.70E-01	ND	1.37E+00		1.97E-01		none
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/kg	2.70E-01	ND	1.37E+00		1.97E-01		none
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/kg	2.70E-01	ND	1.37E+00		1.97E-01		none
SD	CHANNEL	SWSW	VOA	Dibromochloromethane	ug/kg	2.70E-01	ND	1.37E+00		1.97E-01		none
SD	CHANNEL	SWSW	VOA	Dibromochloromethane	ug/kg	2.70E-01	ND	1.37E+00		1.97E-01		none
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	ug/kg	2.70E-01	ND	1.37E+00		1.97E-01		none
SD	CHANNEL	SWSW	VOA	Dibromochloromethane	ug/kg	3.60E-01	ND	1.37E+00		2.63E-01		none
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	ug/kg	3.60E-01	ND	1.37E+00		2.63E-01		none
SD	CHANNEL	SWSW	VOA	Dibromochloromethane	ug/kg	3.60E-01	ND	1.37E+00		2.63E-01		none
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/kg	3.60E-01	ND	1.37E+00		2.63E-01		none
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/kg	3.60E-01	ND	1.37E+00		2.63E-01		none
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	ug/kg	3.60E-01	ND	1.37E+00		2.63E-01		none
SD	CHANNEL	SD002200	VOA	Dibromochloromethane	ug/kg	7.27E-01	ND	1.37E+00		5.31E-01		none
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	ug/kg	7.27E-01	ND	1.37E+00		5.31E-01		none
SD	CHANNEL	SD002200	VOA	Dibromochloromethane	ug/kg	7.27E-01	ND	1.37E+00		5.31E-01		none
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/kg	7.27E-01	ND	1.37E+00		5.31E-01		none
SD	CHANNEL	SWSW	VOA	Dibromochloromethane	ug/kg	7.27E-01	ND	1.37E+00		5.31E-01		none
SD	CHANNEL	SD002200	VOA	Dibromochloromethane	ug/kg	7.27E-01	ND	1.37E+00		5.31E-01		none
SD	CHANNEL	SD002200	VOA	Dibromochloromethane	ug/kg	7.27E-01	ND	1.37E+00		5.31E-01		none
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/kg	1.40E+00	ND	1.37E+00		1.02E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Dibromochloromethane	ug/kg	1.80E+00	ND	1.37E+00		1.31E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Dibromochloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Dibromochloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	VOA	Dibromochloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Dibromochloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Dibromochloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Dibromochloromethane	ug/kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/Kg	5.00E+00	ND	1.37E+00		3.65E+00		poss-ND
SD	CHANNEL	SD003	VOA	Dibromochloromethane	UG/KG	7.50E+00	ND	1.37E+00		5.47E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	UG/KG	7.90E+00	ND	1.37E+00		5.77E+00		poss-ND
SD	CHANNEL	SD001	VOA	Dibromochloromethane	UG/KG	8.20E+00	ND	1.37E+00		5.99E+00		poss-ND
SD	CHANNEL	SD003	VOA	Dibromochloromethane	UG/KG	9.70E+00	ND	1.37E+00		7.08E+00		poss-ND
SD	CHANNEL	SD004	VOA	Dibromochloromethane	UG/KG	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	UG/KG	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Dibromochloromethane	UG/KG	1.20E+01	ND	1.37E+00		8.76E+00		poss-ND
SD	CHANNEL	SD005	VOA	Dibromochloromethane	UG/KG	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Dibromochloromethane	UG/KG	1.30E+01	ND	1.37E+00		9.49E+00		poss-ND
SD	CHANNEL	SD004	VOA	Dibromochloromethane	UG/KG	1.90E+01	ND	1.37E+00		1.39E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Dibromochloromethane	ug/Kg	2.00E+01	ND	1.37E+00		1.46E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Dibromochloromethane	ug/Kg	2.00E+01	ND	1.37E+00		1.46E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	ug/Kg	2.00E+01	ND	1.37E+00		1.46E+01		poss-ND
SD	CHANNEL	SD001	VOA	Dibromochloromethane	UG/KG	2.10E+01	ND	1.37E+00		1.53E+01		poss-ND
SD	CHANNEL	SD005	VOA	Dibromochloromethane	UG/KG	5.50E+01	ND	1.37E+00		4.01E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Dibromochloromethane	ug/Kg	6.00E+03	ND	1.37E+00		4.38E+03		poss-ND
SD	CHANNEL	SWSW	VOA	Dibromochloromethane	ug/Kg	6.00E+03	ND	1.37E+00		4.38E+03		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/kg	2.50E-01	ND	1.75E+02		1.43E-03		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/kg	2.50E-01	ND	1.75E+02		1.43E-03		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/kg	2.50E-01	ND	1.75E+02		1.43E-03		none
SD	CHANNEL	SWSW	VOA	Ethylbenzene	ug/kg	2.50E-01	ND	1.75E+02		1.43E-03		none
SD	CHANNEL	SWSW	VOA	Ethylbenzene	ug/kg	2.50E-01	ND	1.75E+02		1.43E-03		none
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/kg	2.50E-01	ND	1.75E+02		1.43E-03		none
SD	CHANNEL	SWSW	VOA	Ethylbenzene	ug/kg	4.10E-01	ND	1.75E+02		2.34E-03		none
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/kg	4.10E-01	ND	1.75E+02		2.34E-03		none
SD	CHANNEL	SWSW	VOA	Ethylbenzene	ug/kg	4.10E-01	ND	1.75E+02		2.34E-03		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/kg	4.10E-01	ND	1.75E+02		2.34E-03		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/kg	4.10E-01	ND	1.75E+02		2.34E-03		none
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/kg	4.10E-01	ND	1.75E+02		2.34E-03		none
SD	CHANNEL	SD002200	VOA	Ethylbenzene	ug/kg	7.67E-01	ND	1.75E+02		4.38E-03		none
SD	CHANNEL	SD002200	VOA	Ethylbenzene	ug/kg	7.67E-01	ND	1.75E+02		4.38E-03		none
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/kg	7.67E-01	ND	1.75E+02		4.38E-03		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/kg	7.67E-01	ND	1.75E+02		4.38E-03		none
SD	CHANNEL	SWSW	VOA	Ethylbenzene	ug/kg	7.67E-01	ND	1.75E+02		4.38E-03		none
SD	CHANNEL	SD002200	VOA	Ethylbenzene	ug/kg	7.67E-01	ND	1.75E+02		4.38E-03		none
SD	CHANNEL	SD002200	VOA	Ethylbenzene	ug/kg	7.67E-01	ND	1.75E+02		4.38E-03		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/kg	1.40E+00	ND	1.75E+02		8.00E-03		none
SD	CHANNEL	SWNPDES1	VOA	Ethylbenzene	ug/kg	1.80E+00	ND	1.75E+02		1.03E-02		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWSW	VOA	Ethylbenzene	ug/Kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWSW	VOA	Ethylbenzene	ug/kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/Kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWSW	VOA	Ethylbenzene	ug/kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/Kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWNPDES1	VOA	Ethylbenzene	ug/Kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWNPDES1	VOA	Ethylbenzene	ug/Kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/Kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWSW	VOA	Ethylbenzene	ug/kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/Kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/Kg	5.00E+00	ND	1.75E+02		2.86E-02		none
SD	CHANNEL	SD003	VOA	Ethylbenzene	UG/KG	7.50E+00	ND	1.75E+02		4.29E-02		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	UG/KG	7.90E+00	ND	1.75E+02		4.51E-02		none
SD	CHANNEL	SD001	VOA	Ethylbenzene	UG/KG	8.20E+00	ND	1.75E+02		4.69E-02		none
SD	CHANNEL	SD003	VOA	Ethylbenzene	UG/KG	9.70E+00	ND	1.75E+02		5.54E-02		none
SD	CHANNEL	SD004	VOA	Ethylbenzene	UG/KG	1.20E+01	ND	1.75E+02		6.86E-02		none
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	UG/KG	1.20E+01	ND	1.75E+02		6.86E-02		none
SD	CHANNEL	SWNPDES1	VOA	Ethylbenzene	UG/KG	1.20E+01	ND	1.75E+02		6.86E-02		none
SD	CHANNEL	SD005	VOA	Ethylbenzene	UG/KG	1.30E+01	ND	1.75E+02		7.43E-02		none
SD	CHANNEL	SWSW	VOA	Ethylbenzene	UG/KG	1.30E+01	ND	1.75E+02		7.43E-02		none
SD	CHANNEL	SD004	VOA	Ethylbenzene	UG/KG	1.90E+01	ND	1.75E+02		1.09E-01		none
SD	CHANNEL	SWSW	VOA	Ethylbenzene	ug/Kg	2.00E+01	ND	1.75E+02		1.14E-01		none
SD	CHANNEL	SWNPDES3	VOA	Ethylbenzene	ug/Kg	2.00E+01	ND	1.75E+02		1.14E-01		none
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/Kg	2.00E+01	ND	1.75E+02		1.14E-01		none
SD	CHANNEL	SD001	VOA	Ethylbenzene	UG/KG	2.10E+01	ND	1.75E+02		1.20E-01		none
SD	CHANNEL	SD005	VOA	Ethylbenzene	UG/KG	5.50E+01	ND	1.75E+02		3.14E-01		none
SD	CHANNEL	SWNPDES2	VOA	Ethylbenzene	ug/Kg	6.00E+03	ND	1.75E+02		3.43E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Ethylbenzene	ug/Kg	6.00E+03	ND	1.75E+02		3.43E+01		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Iodomethane	ug/kg	1.40E+00	ND	1.37E+00		1.02E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Iodomethane	ug/kg	1.80E+00	ND	1.37E+00		1.31E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	ug/kg	4.40E-01	ND	1.59E+02		2.77E-03		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/kg	4.40E-01	ND	1.59E+02		2.77E-03		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/kg	4.40E-01	ND	1.59E+02		2.77E-03		none
SD	CHANNEL	SWSW	VOA	Methylene chloride	ug/kg	4.40E-01	ND	1.59E+02		2.77E-03		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWSW	VOA	Methylene chloride	ug/kg	4.40E-01	ND	1.59E+02		2.77E-03		none
SD	CHANNEL	SWSW	VOA	Methylene chloride	ug/kg	6.00E-01	ND	1.59E+02		3.77E-03		none
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	ug/kg	6.00E-01	ND	1.59E+02		3.77E-03		none
SD	CHANNEL	SWSW	VOA	Methylene chloride	ug/kg	6.00E-01	ND	1.59E+02		3.77E-03		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/kg	6.00E-01	ND	1.59E+02		3.77E-03		none
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	ug/kg	6.00E-01	ND	1.59E+02		3.77E-03		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/kg	6.00E-01	ND	1.59E+02		3.77E-03		none
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	ug/kg	1.30E+00	DET	1.59E+02		8.18E-03		none
SD	CHANNEL	SWSW	VOA	Methylene chloride	ug/Kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWSW	VOA	Methylene chloride	ug/kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	ug/kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/Kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWSW	VOA	Methylene chloride	ug/kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/Kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	ug/Kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWNPDES1	VOA	Methylene chloride	ug/Kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	ug/Kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWNPDES1	VOA	Methylene chloride	ug/Kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/Kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	ug/kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SWSW	VOA	Methylene chloride	ug/kg	5.00E+00	ND	1.59E+02		3.14E-02		none
SD	CHANNEL	SD003	VOA	Methylene chloride	UG/KG	7.50E+00	ND	1.59E+02		4.72E-02		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	UG/KG	7.90E+00	ND	1.59E+02		4.97E-02		none
SD	CHANNEL	SD001	VOA	Methylene chloride	UG/KG	8.20E+00	ND	1.59E+02		5.16E-02		none
SD	CHANNEL	SD003	VOA	Methylene chloride	UG/KG	9.70E+00	ND	1.59E+02		6.10E-02		none
SD	CHANNEL	SD002200	VOA	Methylene chloride	ug/kg	1.00E+01	ND	1.59E+02		6.29E-02		none
SD	CHANNEL	SD002200	VOA	Methylene chloride	ug/kg	1.00E+01	ND	1.59E+02		6.29E-02		none
SD	CHANNEL	SD002200	VOA	Methylene chloride	ug/kg	1.00E+01	ND	1.59E+02		6.29E-02		none
SD	CHANNEL	SD002200	VOA	Methylene chloride	ug/kg	1.00E+01	ND	1.59E+02		6.29E-02		none
SD	CHANNEL	SD004	VOA	Methylene chloride	UG/KG	1.20E+01	ND	1.59E+02		7.55E-02		none
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	UG/KG	1.20E+01	ND	1.59E+02		7.55E-02		none
SD	CHANNEL	SWNPDES1	VOA	Methylene chloride	UG/KG	1.20E+01	ND	1.59E+02		7.55E-02		none
SD	CHANNEL	SD005	VOA	Methylene chloride	UG/KG	1.30E+01	ND	1.59E+02		8.18E-02		none
SD	CHANNEL	SWSW	VOA	Methylene chloride	UG/KG	1.30E+01	ND	1.59E+02		8.18E-02		none
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	ug/kg	1.30E+01	DET	1.59E+02		8.18E-02		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/kg	1.40E+01	DET	1.59E+02		8.81E-02		none
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	ug/kg	1.82E+01	ND	1.59E+02		1.14E-01		none
SD	CHANNEL	SD004	VOA	Methylene chloride	UG/KG	1.90E+01	ND	1.59E+02		1.19E-01		none
SD	CHANNEL	SWSW	VOA	Methylene chloride	ug/Kg	2.00E+01	ND	1.59E+02		1.26E-01		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/Kg	2.00E+01	ND	1.59E+02		1.26E-01		none
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	ug/Kg	2.00E+01	ND	1.59E+02		1.26E-01		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/kg	2.44E+01	ND	1.59E+02		1.53E-01		none
SD	CHANNEL	SD001	VOA	Methylene chloride	UG/KG	2.50E+01	DET	1.59E+02		1.57E-01		none
SD	CHANNEL	SWSW	VOA	Methylene chloride	ug/kg	3.08E+01	ND	1.59E+02		1.94E-01		none
SD	CHANNEL	SWNPDES3	VOA	Methylene chloride	ug/kg	5.00E+01	ND	1.59E+02		3.14E-01		none
SD	CHANNEL	SWNPDES1	VOA	Methylene chloride	ug/kg	5.00E+01	ND	1.59E+02		3.14E-01		none
SD	CHANNEL	SD005	VOA	Methylene chloride	UG/KG	5.50E+01	ND	1.59E+02		3.46E-01		none
SD	CHANNEL	SWNPDES2	VOA	Methylene chloride	ug/Kg	6.00E+03	ND	1.59E+02		3.77E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Methylene chloride	ug/Kg	6.00E+03	ND	1.59E+02		3.77E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	o-Xylene	ug/kg	2.40E-01	ND	2.50E+01		9.60E-03		none
SD	CHANNEL	SWNPDES3	VOA	o-Xylene	ug/kg	2.40E-01	ND	2.50E+01		9.60E-03		none
SD	CHANNEL	SWSW	VOA	o-Xylene	ug/kg	2.40E-01	ND	2.50E+01		9.60E-03		none
SD	CHANNEL	SWSW	VOA	o-Xylene	ug/kg	2.40E-01	ND	2.50E+01		9.60E-03		none
SD	CHANNEL	SWNPDES2	VOA	o-Xylene	ug/kg	2.40E-01	ND	2.50E+01		9.60E-03		none
SD	CHANNEL	SWSW	VOA	o-Xylene	ug/kg	4.60E-01	ND	2.50E+01		1.84E-02		none
SD	CHANNEL	SWNPDES2	VOA	o-Xylene	ug/kg	4.60E-01	ND	2.50E+01		1.84E-02		none
SD	CHANNEL	SWSW	VOA	o-Xylene	ug/kg	4.60E-01	ND	2.50E+01		1.84E-02		none
SD	CHANNEL	SWNPDES3	VOA	o-Xylene	ug/kg	4.60E-01	ND	2.50E+01		1.84E-02		none
SD	CHANNEL	SWNPDES2	VOA	o-Xylene	ug/kg	4.60E-01	ND	2.50E+01		1.84E-02		none
SD	CHANNEL	SWNPDES3	VOA	o-Xylene	ug/kg	4.60E-01	ND	2.50E+01		1.84E-02		none
SD	CHANNEL	SD002200	VOA	o-Xylene	ug/kg	6.82E-01	ND	2.50E+01		2.73E-02		none
SD	CHANNEL	SD002200	VOA	o-Xylene	ug/kg	6.82E-01	ND	2.50E+01		2.73E-02		none
SD	CHANNEL	SWNPDES2	VOA	o-Xylene	ug/kg	6.82E-01	ND	2.50E+01		2.73E-02		none
SD	CHANNEL	SWNPDES3	VOA	o-Xylene	ug/kg	6.82E-01	ND	2.50E+01		2.73E-02		none
SD	CHANNEL	SWSW	VOA	o-Xylene	ug/kg	6.82E-01	ND	2.50E+01		2.73E-02		none
SD	CHANNEL	SD002200	VOA	o-Xylene	ug/kg	6.82E-01	ND	2.50E+01		2.73E-02		none
SD	CHANNEL	SD002200	VOA	o-Xylene	ug/kg	6.82E-01	ND	2.50E+01		2.73E-02		none
SD	CHANNEL	SWNPDES3	VOA	o-Xylene	ug/kg	1.00E+00	DET	2.50E+01		4.00E-02		none
SD	CHANNEL	SWNPDES3	VOA	o-Xylene	ug/kg	1.40E+00	ND	2.50E+01		5.60E-02		none
SD	CHANNEL	SWNPDES1	VOA	o-Xylene	ug/kg	1.80E+00	ND	2.50E+01		7.20E-02		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	ug/kg	3.30E-01	ND	2.54E+02		1.30E-03		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/kg	3.30E-01	ND	2.54E+02		1.30E-03		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/kg	3.30E-01	ND	2.54E+02		1.30E-03		none
SD	CHANNEL	SWSW	VOA	Styrene	ug/kg	3.30E-01	ND	2.54E+02		1.30E-03		none
SD	CHANNEL	SWSW	VOA	Styrene	ug/kg	3.30E-01	ND	2.54E+02		1.30E-03		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	ug/kg	3.30E-01	ND	2.54E+02		1.30E-03		none
SD	CHANNEL	SWSW	VOA	Styrene	ug/kg	4.00E-01	ND	2.54E+02		1.57E-03		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	ug/kg	4.00E-01	ND	2.54E+02		1.57E-03		none
SD	CHANNEL	SWSW	VOA	Styrene	ug/kg	4.00E-01	ND	2.54E+02		1.57E-03		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	ug/kg	4.00E-01	ND	2.54E+02		1.57E-03		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/kg	4.00E-01	ND	2.54E+02		1.57E-03		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/kg	4.00E-01	ND	2.54E+02		1.57E-03		none
SD	CHANNEL	SD002200	VOA	Styrene	ug/kg	7.02E-01	ND	2.54E+02		2.76E-03		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	ug/kg	7.02E-01	ND	2.54E+02		2.76E-03		none
SD	CHANNEL	SD002200	VOA	Styrene	ug/kg	7.02E-01	ND	2.54E+02		2.76E-03		none
SD	CHANNEL	SWSW	VOA	Styrene	ug/kg	7.02E-01	ND	2.54E+02		2.76E-03		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/kg	7.02E-01	ND	2.54E+02		2.76E-03		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD002200	VOA	Styrene	ug/kg	7.02E-01	ND	2.54E+02		2.76E-03		none
SD	CHANNEL	SD002200	VOA	Styrene	ug/kg	7.02E-01	ND	2.54E+02		2.76E-03		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/kg	1.40E+00	ND	2.54E+02		5.51E-03		none
SD	CHANNEL	SWNPDES1	VOA	Styrene	ug/kg	1.80E+00	ND	2.54E+02		7.09E-03		none
SD	CHANNEL	SWSW	VOA	Styrene	ug/Kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWSW	VOA	Styrene	ug/kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	ug/Kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	ug/kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWSW	VOA	Styrene	ug/kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/Kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/Kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	ug/kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/Kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES1	VOA	Styrene	ug/Kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES1	VOA	Styrene	ug/Kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	ug/kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	ug/Kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SWSW	VOA	Styrene	ug/kg	5.00E+00	ND	2.54E+02		1.97E-02		none
SD	CHANNEL	SD003	VOA	Styrene	UG/KG	7.50E+00	ND	2.54E+02		2.95E-02		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	UG/KG	7.90E+00	ND	2.54E+02		3.11E-02		none
SD	CHANNEL	SD001	VOA	Styrene	UG/KG	8.20E+00	ND	2.54E+02		3.23E-02		none
SD	CHANNEL	SD003	VOA	Styrene	UG/KG	9.70E+00	ND	2.54E+02		3.82E-02		none
SD	CHANNEL	SD004	VOA	Styrene	UG/KG	1.20E+01	ND	2.54E+02		4.72E-02		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	UG/KG	1.20E+01	ND	2.54E+02		4.72E-02		none
SD	CHANNEL	SWNPDES1	VOA	Styrene	UG/KG	1.20E+01	ND	2.54E+02		4.72E-02		none
SD	CHANNEL	SD005	VOA	Styrene	UG/KG	1.30E+01	ND	2.54E+02		5.12E-02		none
SD	CHANNEL	SWSW	VOA	Styrene	UG/KG	1.30E+01	ND	2.54E+02		5.12E-02		none
SD	CHANNEL	SD004	VOA	Styrene	UG/KG	1.90E+01	ND	2.54E+02		7.48E-02		none
SD	CHANNEL	SWSW	VOA	Styrene	ug/Kg	2.00E+01	ND	2.54E+02		7.87E-02		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	ug/Kg	2.00E+01	ND	2.54E+02		7.87E-02		none
SD	CHANNEL	SWNPDES3	VOA	Styrene	ug/Kg	2.00E+01	ND	2.54E+02		7.87E-02		none
SD	CHANNEL	SD001	VOA	Styrene	UG/KG	2.10E+01	ND	2.54E+02		8.27E-02		none
SD	CHANNEL	SD005	VOA	Styrene	UG/KG	5.50E+01	ND	2.54E+02		2.17E-01		none
SD	CHANNEL	SWNPDES2	VOA	Styrene	ug/Kg	6.00E+03	ND	2.54E+02		2.36E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Styrene	ug/Kg	6.00E+03	ND	2.54E+02		2.36E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/kg	2.10E-01	ND	9.90E+02		2.12E-04		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/kg	2.10E-01	ND	9.90E+02		2.12E-04		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/kg	2.10E-01	ND	9.90E+02		2.12E-04		none
SD	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/kg	2.10E-01	ND	9.90E+02		2.12E-04		none
SD	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/kg	2.10E-01	ND	9.90E+02		2.12E-04		none
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/kg	2.10E-01	ND	9.90E+02		2.12E-04		none
SD	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/kg	3.50E-01	ND	9.90E+02		3.54E-04		none
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/kg	3.50E-01	ND	9.90E+02		3.54E-04		none
SD	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/kg	3.50E-01	ND	9.90E+02		3.54E-04		none
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/kg	3.50E-01	ND	9.90E+02		3.54E-04		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/kg	3.50E-01	ND	9.90E+02		3.54E-04		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/kg	3.50E-01	ND	9.90E+02		3.54E-04		none
SD	CHANNEL	SD002200	VOA	Tetrachloroethene	ug/kg	1.31E+00	ND	9.90E+02		1.32E-03		none
SD	CHANNEL	SD002200	VOA	Tetrachloroethene	ug/kg	1.31E+00	ND	9.90E+02		1.32E-03		none
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/kg	1.31E+00	ND	9.90E+02		1.32E-03		none
SD	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/kg	1.31E+00	ND	9.90E+02		1.32E-03		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/kg	1.31E+00	ND	9.90E+02		1.32E-03		none
SD	CHANNEL	SD002200	VOA	Tetrachloroethene	ug/kg	1.31E+00	ND	9.90E+02		1.32E-03		none
SD	CHANNEL	SD002200	VOA	Tetrachloroethene	ug/kg	1.31E+00	ND	9.90E+02		1.32E-03		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/kg	1.40E+00	ND	9.90E+02		1.41E-03		none
SD	CHANNEL	SWNPDES1	VOA	Tetrachloroethene	ug/kg	1.80E+00	ND	9.90E+02		1.82E-03		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/Kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/Kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/Kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/Kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/Kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWNPDES1	VOA	Tetrachloroethene	ug/Kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWNPDES1	VOA	Tetrachloroethene	ug/Kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/Kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/kg	5.00E+00	ND	9.90E+02		5.05E-03		none
SD	CHANNEL	SD003	VOA	Tetrachloroethene	UG/KG	7.50E+00	ND	9.90E+02		7.58E-03		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	UG/KG	7.90E+00	ND	9.90E+02		7.98E-03		none
SD	CHANNEL	SD001	VOA	Tetrachloroethene	UG/KG	8.20E+00	ND	9.90E+02		8.28E-03		none
SD	CHANNEL	SD003	VOA	Tetrachloroethene	UG/KG	9.70E+00	ND	9.90E+02		9.80E-03		none
SD	CHANNEL	SD004	VOA	Tetrachloroethene	UG/KG	1.20E+01	ND	9.90E+02		1.21E-02		none
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	UG/KG	1.20E+01	ND	9.90E+02		1.21E-02		none
SD	CHANNEL	SWNPDES1	VOA	Tetrachloroethene	UG/KG	1.20E+01	ND	9.90E+02		1.21E-02		none
SD	CHANNEL	SD005	VOA	Tetrachloroethene	UG/KG	1.30E+01	ND	9.90E+02		1.31E-02		none
SD	CHANNEL	SWSW	VOA	Tetrachloroethene	UG/KG	1.30E+01	ND	9.90E+02		1.31E-02		none
SD	CHANNEL	SD004	VOA	Tetrachloroethene	UG/KG	1.90E+01	ND	9.90E+02		1.92E-02		none
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/Kg	2.00E+01	ND	9.90E+02		2.02E-02		none
SD	CHANNEL	SWNPDES3	VOA	Tetrachloroethene	ug/Kg	2.00E+01	ND	9.90E+02		2.02E-02		none
SD	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/Kg	2.00E+01	ND	9.90E+02		2.02E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SD001	VOA	Tetrachloroethene	UG/KG	2.10E+01	ND	9.90E+02		2.12E-02		none
SD	CHANNEL	SD005	VOA	Tetrachloroethene	UG/KG	5.50E+01	ND	9.90E+02		5.56E-02		none
SD	CHANNEL	SWNPDES2	VOA	Tetrachloroethene	ug/Kg	6.00E+03	ND	9.90E+02		6.06E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Tetrachloroethene	ug/Kg	6.00E+03	ND	9.90E+02		6.06E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Toluene	ug/kg	2.20E-01	ND	2.80E+01		7.86E-03		none
SD	CHANNEL	SWNPDES2	VOA	Toluene	ug/kg	2.20E-01	ND	2.80E+01		7.86E-03		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/kg	2.20E-01	ND	2.80E+01		7.86E-03		none
SD	CHANNEL	SWSW	VOA	Toluene	ug/kg	2.20E-01	ND	2.80E+01		7.86E-03		none
SD	CHANNEL	SWNPDES2	VOA	Toluene	ug/kg	2.20E-01	ND	2.80E+01		7.86E-03		none
SD	CHANNEL	SWSW	VOA	Toluene	ug/kg	4.30E-01	ND	2.80E+01		1.54E-02		none
SD	CHANNEL	SWNPDES2	VOA	Toluene	ug/kg	4.30E-01	ND	2.80E+01		1.54E-02		none
SD	CHANNEL	SWSW	VOA	Toluene	ug/kg	4.30E-01	ND	2.80E+01		1.54E-02		none
SD	CHANNEL	SWNPDES2	VOA	Toluene	ug/kg	4.30E-01	ND	2.80E+01		1.54E-02		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/kg	4.30E-01	ND	2.80E+01		1.54E-02		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/kg	4.30E-01	ND	2.80E+01		1.54E-02		none
SD	CHANNEL	SD002200	VOA	Toluene	ug/kg	9.43E-01	ND	2.80E+01		3.37E-02		none
SD	CHANNEL	SD002200	VOA	Toluene	ug/kg	9.43E-01	ND	2.80E+01		3.37E-02		none
SD	CHANNEL	SWNPDES2	VOA	Toluene	ug/kg	9.43E-01	ND	2.80E+01		3.37E-02		none
SD	CHANNEL	SWSW	VOA	Toluene	ug/kg	9.43E-01	ND	2.80E+01		3.37E-02		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/kg	9.43E-01	ND	2.80E+01		3.37E-02		none
SD	CHANNEL	SD002200	VOA	Toluene	ug/kg	9.43E-01	ND	2.80E+01		3.37E-02		none
SD	CHANNEL	SD002200	VOA	Toluene	ug/kg	9.43E-01	ND	2.80E+01		3.37E-02		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/kg	1.40E+00	ND	2.80E+01		5.00E-02		none
SD	CHANNEL	SWNPDES1	VOA	Toluene	ug/kg	1.80E+00	ND	2.80E+01		6.43E-02		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWSW	VOA	Toluene	ug/kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWSW	VOA	Toluene	ug/Kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES2	VOA	Toluene	ug/kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES2	VOA	Toluene	ug/Kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWSW	VOA	Toluene	ug/kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/Kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/Kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/Kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES2	VOA	Toluene	ug/kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES1	VOA	Toluene	ug/Kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES1	VOA	Toluene	ug/Kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES2	VOA	Toluene	ug/Kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES2	VOA	Toluene	ug/kg	5.00E+00	ND	2.80E+01		1.79E-01		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/kg	6.70E+00	DET	2.80E+01		2.39E-01		none
SD	CHANNEL	SD003	VOA	Toluene	UG/KG	7.50E+00	ND	2.80E+01		2.68E-01		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	UG/KG	7.90E+00	ND	2.80E+01		2.82E-01		none
SD	CHANNEL	SD001	VOA	Toluene	UG/KG	8.20E+00	ND	2.80E+01		2.93E-01		none
SD	CHANNEL	SD003	VOA	Toluene	UG/KG	9.70E+00	ND	2.80E+01		3.46E-01		none
SD	CHANNEL	SD004	VOA	Toluene	UG/KG	1.20E+01	ND	2.80E+01		4.29E-01		none
SD	CHANNEL	SWNPDES2	VOA	Toluene	UG/KG	1.20E+01	ND	2.80E+01		4.29E-01		none
SD	CHANNEL	SWNPDES1	VOA	Toluene	UG/KG	1.20E+01	ND	2.80E+01		4.29E-01		none
SD	CHANNEL	SD005	VOA	Toluene	UG/KG	1.30E+01	ND	2.80E+01		4.64E-01		none
SD	CHANNEL	SD004	VOA	Toluene	UG/KG	1.90E+01	ND	2.80E+01		6.79E-01		none
SD	CHANNEL	SWSW	VOA	Toluene	ug/Kg	2.00E+01	ND	2.80E+01		7.14E-01		none
SD	CHANNEL	SWNPDES2	VOA	Toluene	ug/Kg	2.00E+01	ND	2.80E+01		7.14E-01		none
SD	CHANNEL	SWNPDES3	VOA	Toluene	ug/Kg	2.00E+01	ND	2.80E+01		7.14E-01		none
SD	CHANNEL	SD001	VOA	Toluene	UG/KG	2.10E+01	ND	2.80E+01		7.50E-01		none
SD	CHANNEL	SWSW	VOA	Toluene	ug/kg	2.80E+01	DET	2.80E+01		1.00E+00		poss-det
SD	CHANNEL	SD005	VOA	Toluene	UG/KG	5.50E+01	ND	2.80E+01		1.96E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Toluene	ug/Kg	6.00E+03	ND	2.80E+01		2.14E+02		poss-ND
SD	CHANNEL	SWSW	VOA	Toluene	ug/Kg	6.00E+03	ND	2.80E+01		2.14E+02		poss-ND
SD	CHANNEL		VOA	Trans-1,2-Dichloroethene				6.54E+02				none
SD	CHANNEL		VOA	Trans-1,3-Dichloropropene				3.33E+02				none
SD	CHANNEL	SWSW	VOA	Trichloroethene	ug/kg	2.40E-01	ND	5.18E+02		4.63E-04		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/kg	2.40E-01	ND	5.18E+02		4.63E-04		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/kg	2.40E-01	ND	5.18E+02		4.63E-04		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/kg	2.40E-01	ND	5.18E+02		4.63E-04		none
SD	CHANNEL	SWSW	VOA	Trichloroethene	ug/kg	2.40E-01	ND	5.18E+02		4.63E-04		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/kg	2.40E-01	ND	5.18E+02		4.63E-04		none
SD	CHANNEL	SWSW	VOA	Trichloroethene	ug/kg	4.30E-01	ND	5.18E+02		8.30E-04		none
SD	CHANNEL	SWSW	VOA	Trichloroethene	ug/kg	4.30E-01	ND	5.18E+02		8.30E-04		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/kg	4.30E-01	ND	5.18E+02		8.30E-04		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/kg	4.30E-01	ND	5.18E+02		8.30E-04		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/kg	4.30E-01	ND	5.18E+02		8.30E-04		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/kg	4.30E-01	ND	5.18E+02		8.30E-04		none
SD	CHANNEL	SD002200	VOA	Trichloroethene	ug/kg	9.55E-01	ND	5.18E+02		1.84E-03		none
SD	CHANNEL	SD002200	VOA	Trichloroethene	ug/kg	9.55E-01	ND	5.18E+02		1.84E-03		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/kg	9.55E-01	ND	5.18E+02		1.84E-03		none
SD	CHANNEL	SWSW	VOA	Trichloroethene	ug/kg	9.55E-01	ND	5.18E+02		1.84E-03		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/kg	9.55E-01	ND	5.18E+02		1.84E-03		none
SD	CHANNEL	SD002200	VOA	Trichloroethene	ug/kg	9.55E-01	ND	5.18E+02		1.84E-03		none
SD	CHANNEL	SD002200	VOA	Trichloroethene	ug/kg	9.55E-01	ND	5.18E+02		1.84E-03		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/kg	1.40E+00	ND	5.18E+02		2.70E-03		none
SD	CHANNEL	SWNPDES1	VOA	Trichloroethene	ug/kg	1.80E+00	ND	5.18E+02		3.47E-03		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWSW	VOA	Trichloroethene	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWSW	VOA	Trichloroethene	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWSW	VOA	Trichloroethene	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES1	VOA	Trichloroethene	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES1	VOA	Trichloroethene	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/Kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SWSW	VOA	Trichloroethene	ug/kg	5.00E+00	ND	5.18E+02		9.65E-03		none
SD	CHANNEL	SD003	VOA	Trichloroethene	UG/KG	7.50E+00	ND	5.18E+02		1.45E-02		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	UG/KG	7.90E+00	ND	5.18E+02		1.53E-02		none
SD	CHANNEL	SD001	VOA	Trichloroethene	UG/KG	8.20E+00	ND	5.18E+02		1.58E-02		none
SD	CHANNEL	SD003	VOA	Trichloroethene	UG/KG	9.70E+00	ND	5.18E+02		1.87E-02		none
SD	CHANNEL	SD004	VOA	Trichloroethene	UG/KG	1.20E+01	ND	5.18E+02		2.32E-02		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	UG/KG	1.20E+01	ND	5.18E+02		2.32E-02		none
SD	CHANNEL	SWNPDES1	VOA	Trichloroethene	UG/KG	1.20E+01	ND	5.18E+02		2.32E-02		none
SD	CHANNEL	SD005	VOA	Trichloroethene	UG/KG	1.30E+01	ND	5.18E+02		2.51E-02		none
SD	CHANNEL	SD004	VOA	Trichloroethene	UG/KG	1.90E+01	ND	5.18E+02		3.67E-02		none
SD	CHANNEL	SWSW	VOA	Trichloroethene	ug/Kg	2.00E+01	ND	5.18E+02		3.86E-02		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/Kg	2.00E+01	ND	5.18E+02		3.86E-02		none
SD	CHANNEL	SWNPDES3	VOA	Trichloroethene	ug/Kg	2.00E+01	ND	5.18E+02		3.86E-02		none
SD	CHANNEL	SD001	VOA	Trichloroethene	UG/KG	2.10E+01	ND	5.18E+02		4.05E-02		none
SD	CHANNEL	SD005	VOA	Trichloroethene	UG/KG	5.50E+01	ND	5.18E+02		1.06E-01		none
SD	CHANNEL	SWNPDES2	VOA	Trichloroethene	ug/Kg	6.00E+03	ND	5.18E+02		1.16E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Trichloroethene	ug/Kg	6.00E+03	ND	5.18E+02		1.16E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Vinyl acetate	ug/kg	7.80E-01	ND	1.30E+01		6.00E-02		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/kg	7.80E-01	ND	1.30E+01		6.00E-02		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/kg	7.80E-01	ND	1.30E+01		6.00E-02		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/kg	7.80E-01	ND	1.30E+01		6.00E-02		none
SD	CHANNEL	SWSW	VOA	Vinyl acetate	ug/kg	7.80E-01	ND	1.30E+01		6.00E-02		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/kg	7.80E-01	ND	1.30E+01		6.00E-02		none
SD	CHANNEL	SD002200	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SWSW	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SD002200	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SWSW	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SWSW	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SD002200	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SD002200	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/kg	7.20E+00	ND	1.30E+01		5.54E-01		none
SD	CHANNEL	SD003	VOA	Vinyl acetate	UG/KG	7.50E+00	ND	1.30E+01		5.77E-01		none
SD	CHANNEL	SWNPDES1	VOA	Vinyl acetate	ug/kg	8.90E+00	ND	1.30E+01		6.85E-01		none
SD	CHANNEL	SD004	VOA	Vinyl acetate	UG/KG	1.20E+01	ND	1.30E+01		9.23E-01		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	UG/KG	1.60E+01	ND	1.30E+01		1.23E+00		poss-ND
SD	CHANNEL	SD001	VOA	Vinyl acetate	UG/KG	1.60E+01	ND	1.30E+01		1.23E+00		poss-ND
SD	CHANNEL	SD003	VOA	Vinyl acetate	UG/KG	1.90E+01	ND	1.30E+01		1.46E+00		poss-ND
SD	CHANNEL	SD001	VOA	Vinyl acetate	UG/KG	2.10E+01	ND	1.30E+01		1.62E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Vinyl acetate	UG/KG	2.30E+01	ND	1.30E+01		1.77E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	UG/KG	2.40E+01	ND	1.30E+01		1.85E+00		poss-ND
SD	CHANNEL	SD005	VOA	Vinyl acetate	UG/KG	2.50E+01	ND	1.30E+01		1.92E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Vinyl acetate	UG/KG	2.60E+01	ND	1.30E+01		2.00E+00		poss-ND
SD	CHANNEL	SD004	VOA	Vinyl acetate	UG/KG	3.70E+01	ND	1.30E+01		2.85E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Vinyl acetate	ug/Kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Vinyl acetate	ug/kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/Kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/Kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Vinyl acetate	ug/kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/Kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/Kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Vinyl acetate	ug/Kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWNPDES1	VOA	Vinyl acetate	ug/Kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/Kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SWSW	VOA	Vinyl acetate	ug/kg	5.00E+01	ND	1.30E+01		3.85E+00		poss-ND
SD	CHANNEL	SD005	VOA	Vinyl acetate	UG/KG	5.50E+01	ND	1.30E+01		4.23E+00		poss-ND
SD	CHANNEL	SWNPDES3	VOA	Vinyl acetate	ug/Kg	2.50E+02	ND	1.30E+01		1.92E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/Kg	2.50E+02	ND	1.30E+01		1.92E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Vinyl acetate	ug/Kg	2.50E+02	ND	1.30E+01		1.92E+01		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Vinyl acetate	ug/Kg	6.20E+04	ND	1.30E+01		4.77E+03		poss-ND
SD	CHANNEL	SWSW	VOA	Vinyl acetate	ug/Kg	6.20E+04	ND	1.30E+01		4.77E+03		poss-ND
SD	CHANNEL	SWSW	VOA	Vinyl chloride	ug/kg	3.10E-01	ND	2.02E+02		1.53E-03		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	ug/kg	3.10E-01	ND	2.02E+02		1.53E-03		none
SD	CHANNEL	SWSW	VOA	Vinyl chloride	ug/kg	3.10E-01	ND	2.02E+02		1.53E-03		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	ug/kg	3.10E-01	ND	2.02E+02		1.53E-03		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/kg	3.10E-01	ND	2.02E+02		1.53E-03		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/kg	3.10E-01	ND	2.02E+02		1.53E-03		none
SD	CHANNEL	SWSW	VOA	Vinyl chloride	ug/kg	3.30E-01	ND	2.02E+02		1.63E-03		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	ug/kg	3.30E-01	ND	2.02E+02		1.63E-03		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/kg	3.30E-01	ND	2.02E+02		1.63E-03		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/kg	3.30E-01	ND	2.02E+02		1.63E-03		none
SD	CHANNEL	SWSW	VOA	Vinyl chloride	ug/kg	3.30E-01	ND	2.02E+02		1.63E-03		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	ug/kg	3.30E-01	ND	2.02E+02		1.63E-03		none
SD	CHANNEL	SD002200	VOA	Vinyl chloride	ug/kg	6.70E-01	ND	2.02E+02		3.32E-03		none
SD	CHANNEL	SD002200	VOA	Vinyl chloride	ug/kg	6.70E-01	ND	2.02E+02		3.32E-03		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	ug/kg	6.70E-01	ND	2.02E+02		3.32E-03		none
SD	CHANNEL	SWSW	VOA	Vinyl chloride	ug/kg	6.70E-01	ND	2.02E+02		3.32E-03		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/kg	6.70E-01	ND	2.02E+02		3.32E-03		none
SD	CHANNEL	SD002200	VOA	Vinyl chloride	ug/kg	6.70E-01	ND	2.02E+02		3.32E-03		none
SD	CHANNEL	SD002200	VOA	Vinyl chloride	ug/kg	6.70E-01	ND	2.02E+02		3.32E-03		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/kg	2.90E+00	ND	2.02E+02		1.44E-02		none
SD	CHANNEL	SWNPDES1	VOA	Vinyl chloride	ug/kg	3.50E+00	ND	2.02E+02		1.73E-02		none
SD	CHANNEL	SD003	VOA	Vinyl chloride	UG/KG	7.50E+00	ND	2.02E+02		3.71E-02		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWSW	VOA	Vinyl chloride	ug/Kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWSW	VOA	Vinyl chloride	ug/kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	ug/kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	ug/Kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWSW	VOA	Vinyl chloride	ug/kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/Kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/Kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/Kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	ug/kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWNPDES1	VOA	Vinyl chloride	ug/Kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWNPDES1	VOA	Vinyl chloride	ug/Kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	ug/Kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	ug/kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SWSW	VOA	Vinyl chloride	ug/kg	1.00E+01	ND	2.02E+02		4.95E-02		none
SD	CHANNEL	SD004	VOA	Vinyl chloride	UG/KG	1.20E+01	ND	2.02E+02		5.94E-02		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	UG/KG	1.60E+01	ND	2.02E+02		7.92E-02		none
SD	CHANNEL	SD001	VOA	Vinyl chloride	UG/KG	1.60E+01	ND	2.02E+02		7.92E-02		none
SD	CHANNEL	SD003	VOA	Vinyl chloride	UG/KG	1.90E+01	ND	2.02E+02		9.41E-02		none
SD	CHANNEL	SD001	VOA	Vinyl chloride	UG/KG	2.10E+01	ND	2.02E+02		1.04E-01		none
SD	CHANNEL	SWNPDES1	VOA	Vinyl chloride	UG/KG	2.30E+01	ND	2.02E+02		1.14E-01		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	UG/KG	2.40E+01	ND	2.02E+02		1.19E-01		none
SD	CHANNEL	SD005	VOA	Vinyl chloride	UG/KG	2.50E+01	ND	2.02E+02		1.24E-01		none
SD	CHANNEL	SWSW	VOA	Vinyl chloride	UG/KG	2.60E+01	ND	2.02E+02		1.29E-01		none
SD	CHANNEL	SD004	VOA	Vinyl chloride	UG/KG	3.70E+01	ND	2.02E+02		1.83E-01		none
SD	CHANNEL	SWSW	VOA	Vinyl chloride	ug/Kg	5.00E+01	ND	2.02E+02		2.48E-01		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	ug/Kg	5.00E+01	ND	2.02E+02		2.48E-01		none
SD	CHANNEL	SWNPDES3	VOA	Vinyl chloride	ug/Kg	5.00E+01	ND	2.02E+02		2.48E-01		none
SD	CHANNEL	SD005	VOA	Vinyl chloride	UG/KG	5.50E+01	ND	2.02E+02		2.72E-01		none
SD	CHANNEL	SWNPDES2	VOA	Vinyl chloride	ug/Kg	1.20E+04	ND	2.02E+02		5.94E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Vinyl chloride	ug/Kg	1.20E+04	ND	2.02E+02		5.94E+01		poss-ND
SD	CHANNEL	SWSW	VOA	Xylenes (total)	ug/kg	4.40E-01	ND	2.50E+01		1.76E-02		none
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/kg	4.40E-01	ND	2.50E+01		1.76E-02		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/kg	4.40E-01	ND	2.50E+01		1.76E-02		none
SD	CHANNEL	SWSW	VOA	Xylenes (total)	ug/kg	4.40E-01	ND	2.50E+01		1.76E-02		none
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/kg	4.40E-01	ND	2.50E+01		1.76E-02		none
SD	CHANNEL	SWSW	VOA	Xylenes (total)	ug/kg	8.40E-01	ND	2.50E+01		3.36E-02		none
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/kg	8.40E-01	ND	2.50E+01		3.36E-02		none
SD	CHANNEL	SWSW	VOA	Xylenes (total)	ug/kg	8.40E-01	ND	2.50E+01		3.36E-02		none
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/kg	8.40E-01	ND	2.50E+01		3.36E-02		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/kg	8.40E-01	ND	2.50E+01		3.36E-02		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/kg	8.40E-01	ND	2.50E+01		3.36E-02		none
SD	CHANNEL	SD002200	VOA	Xylenes (total)	ug/kg	1.42E+00	ND	2.50E+01		5.69E-02		none
SD	CHANNEL	SD002200	VOA	Xylenes (total)	ug/kg	1.42E+00	ND	2.50E+01		5.69E-02		none
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/kg	1.42E+00	ND	2.50E+01		5.69E-02		none
SD	CHANNEL	SWSW	VOA	Xylenes (total)	ug/kg	1.42E+00	ND	2.50E+01		5.69E-02		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/kg	1.42E+00	ND	2.50E+01		5.69E-02		none
SD	CHANNEL	SD002200	VOA	Xylenes (total)	ug/kg	1.42E+00	ND	2.50E+01		5.69E-02		none
SD	CHANNEL	SD002200	VOA	Xylenes (total)	ug/kg	1.42E+00	ND	2.50E+01		5.69E-02		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/kg	2.90E+00	ND	2.50E+01		1.16E-01		none
SD	CHANNEL	SWNPDES1	VOA	Xylenes (total)	ug/kg	3.50E+00	ND	2.50E+01		1.40E-01		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWSW	VOA	Xylenes (total)	ug/kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWSW	VOA	Xylenes (total)	ug/Kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/Kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/Kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWSW	VOA	Xylenes (total)	ug/kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/Kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/Kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/kg	5.00E+00	DET	2.50E+01		2.00E-01		none
SD	CHANNEL	SWNPDES1	VOA	Xylenes (total)	ug/Kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/Kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWSW	VOA	Xylenes (total)	ug/kg	5.00E+00	ND	2.50E+01		2.00E-01		none
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/kg	7.10E+00	DET	2.50E+01		2.84E-01		none
SD	CHANNEL	SD003	VOA	Xylenes (total)	UG/KG	7.50E+00	ND	2.50E+01		3.00E-01		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	UG/KG	7.90E+00	ND	2.50E+01		3.16E-01		none
SD	CHANNEL	SD001	VOA	Xylenes (total)	UG/KG	8.20E+00	ND	2.50E+01		3.28E-01		none
SD	CHANNEL	SD003	VOA	Xylenes (total)	UG/KG	9.70E+00	ND	2.50E+01		3.88E-01		none
SD	CHANNEL	SD004	VOA	Xylenes (total)	UG/KG	1.20E+01	ND	2.50E+01		4.80E-01		none
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	UG/KG	1.20E+01	ND	2.50E+01		4.80E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	CHANNEL	SWNPDES1	VOA	Xylenes (total)	UG/KG	1.20E+01	ND	2.50E+01		4.80E-01		none
SD	CHANNEL	SD005	VOA	Xylenes (total)	UG/KG	1.30E+01	ND	2.50E+01		5.20E-01		none
SD	CHANNEL	SWSW	VOA	Xylenes (total)	UG/KG	1.30E+01	ND	2.50E+01		5.20E-01		none
SD	CHANNEL	SD004	VOA	Xylenes (total)	UG/KG	1.90E+01	ND	2.50E+01		7.60E-01		none
SD	CHANNEL	SWSW	VOA	Xylenes (total)	ug/Kg	2.00E+01	ND	2.50E+01		8.00E-01		none
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/Kg	2.00E+01	ND	2.50E+01		8.00E-01		none
SD	CHANNEL	SWNPDES3	VOA	Xylenes (total)	ug/Kg	2.00E+01	ND	2.50E+01		8.00E-01		none
SD	CHANNEL	SD001	VOA	Xylenes (total)	UG/KG	2.10E+01	ND	2.50E+01		8.40E-01		none
SD	CHANNEL	SWNPDES1	VOA	Xylenes (total)	ug/Kg	2.10E+01	DET	2.50E+01		8.40E-01		none
SD	CHANNEL	SD005	VOA	Xylenes (total)	UG/KG	5.50E+01	ND	2.50E+01		2.20E+00		poss-ND
SD	CHANNEL	SWNPDES2	VOA	Xylenes (total)	ug/Kg	6.00E+03	ND	2.50E+01		2.40E+02		poss-ND
SD	CHANNEL	SWSW	VOA	Xylenes (total)	ug/Kg	6.00E+03	ND	2.50E+01		2.40E+02		poss-ND
SD	CHANNEL	SWNPDES3	VTIC	1,2,4-Trimethylbenzene	ug/kg	1.40E+00	ND	2.50E+01		5.60E-02		none
SD	CHANNEL	SWNPDES1	VTIC	1,2,4-Trimethylbenzene	ug/kg	1.80E+00	ND	2.50E+01		7.20E-02		none
SD	CHANNEL	SWNPDES3	VTIC	Isopropylbenzene	ug/kg	1.40E+00	ND	2.50E+01		5.60E-02		none
SD	CHANNEL	SWNPDES1	VTIC	Isopropylbenzene	ug/kg	1.80E+00	ND	2.50E+01		7.20E-02		none
SD	CHANNEL	SWNPDES3	VTIC	n-Butylbenzene	ug/kg	2.90E+00	ND	2.50E+01		1.16E-01		none
SD	CHANNEL	SWNPDES1	VTIC	n-Butylbenzene	ug/kg	3.50E+00	ND	2.50E+01		1.40E-01		none
SD	CHANNEL	SWNPDES3	VTIC	n-Propylbenzene	ug/kg	1.40E+00	ND	2.50E+01		5.60E-02		none
SD	CHANNEL	SWNPDES1	VTIC	n-Propylbenzene	ug/kg	1.80E+00	ND	2.50E+01		7.20E-02		none
SD	CHANNEL	SWNPDES3	VTIC	p-Isopropyl toluene	ug/kg	1.40E+00	ND	2.50E+01		5.60E-02		none
SD	CHANNEL	SWNPDES1	VTIC	p-Isopropyl toluene	ug/kg	1.80E+00	ND	2.50E+01		7.20E-02		none
SD	CHANNEL	SWNPDES3	VTIC	sec-Butylbenzene	ug/kg	1.40E+00	ND	2.50E+01		5.60E-02		none
SD	CHANNEL	SWNPDES1	VTIC	sec-Butylbenzene	ug/kg	1.80E+00	ND	2.50E+01		7.20E-02		none
SD	CHANNEL	SWNPDES3	VTIC	tert-Butylbenzene	ug/kg	1.40E+00	ND	2.50E+01		5.60E-02		none
SD	CHANNEL	SWNPDES1	VTIC	tert-Butylbenzene	ug/kg	1.80E+00	ND	2.50E+01		7.20E-02		none
SD	HOLDING POND	HP1	SVOC	Total PAHs	ug/kg	2507.6	DET	1.61E+03	2.28E+04	1.56E+00	1.10E-01	Poss-DET
SD	HOLDING POND	HP2	SVOC	Total PAHs	ug/kg	2889.7	DET	1.61E+03	2.28E+04	1.79E+00	1.27E-01	Poss-DET
SD	HOLDING POND	HP3	SVOC	Total PAHs	ug/kg	1179.4	DET	1.61E+03	2.28E+04	7.33E-01	5.17E-02	None-DET
SD	HOLDING POND	HP4	SVOC	Total PAHs	ug/kg	1017.5	DET	1.61E+03	2.28E+04	6.32E-01	4.46E-02	None-DET
SD	HOLDING POND	HP5	SVOC	Total PAHs	ug/kg	984	ND	1.61E+03	2.28E+04	6.11E-01	4.32E-02	None-ND
SD	HOLDING POND	HP6	SVOC	Total PAHs	ug/kg	1253.4	DET	1.61E+03	2.28E+04	7.79E-01	5.50E-02	None-DET
SD	HOLDING POND	HP1	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	HOLDING POND	HP3	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	HOLDING POND	HP2	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	HOLDING POND	HP4	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	HOLDING POND	HP6	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	HOLDING POND	HP5	GENX	Cyanide	ug/Kg	2.50E+02	ND	1.00E-01		2.50E+03		poss-ND
SD	HOLDING POND	HP3	METALS	Antimony	ug/Kg	1.13E+02	ND	1.20E+04		9.42E-03		none
SD	HOLDING POND	HP6	METALS	Antimony	ug/Kg	1.35E+02	ND	1.20E+04		1.13E-02		none
SD	HOLDING POND	HP2	METALS	Antimony	ug/Kg	1.44E+02	ND	1.20E+04		1.20E-02		none
SD	HOLDING POND	HP1	METALS	Antimony	ug/Kg	1.48E+02	ND	1.20E+04		1.23E-02		none
SD	HOLDING POND	HP4	METALS	Antimony	ug/Kg	1.57E+02	ND	1.20E+04		1.31E-02		none
SD	HOLDING POND	HP5	METALS	Antimony	ug/Kg	1.67E+02	ND	1.20E+04		1.39E-02		none
SD	HOLDING POND	HP2	METALS	Arsenic	ug/Kg	1.31E+02	ND	9.79E+03	3.30E+04	1.34E-02	3.97E-03	none
SD	HOLDING POND	HP1	METALS	Arsenic	ug/Kg	1.35E+02	ND	9.79E+03	3.30E+04	1.38E-02	4.09E-03	none
SD	HOLDING POND	HP4	METALS	Arsenic	ug/Kg	6.70E+02	DET	9.79E+03	3.30E+04	6.84E-02	2.03E-02	none
SD	HOLDING POND	HP5	METALS	Arsenic	ug/Kg	8.80E+02	DET	9.79E+03	3.30E+04	8.99E-02	2.67E-02	none
SD	HOLDING POND	HP6	METALS	Arsenic	ug/Kg	1.30E+03	DET	9.79E+03	3.30E+04	1.33E-01	3.94E-02	none
SD	HOLDING POND	HP3	METALS	Arsenic	ug/Kg	2.00E+03	DET	9.79E+03	3.30E+04	2.04E-01	6.06E-02	none
SD	HOLDING POND	HP4	METALS	Cadmium	ug/Kg	5.60E+02	DET	9.90E+02	4.98E+03	5.66E-01	1.12E-01	none
SD	HOLDING POND	HP5	METALS	Cadmium	ug/Kg	7.40E+02	DET	9.90E+02	4.98E+03	7.47E-01	1.49E-01	none
SD	HOLDING POND	HP3	METALS	Cadmium	ug/Kg	1.10E+03	DET	9.90E+02	4.98E+03	1.11E+00	2.21E-01	poss-det
SD	HOLDING POND	HP1	METALS	Cadmium	ug/Kg	1.20E+03	DET	9.90E+02	4.98E+03	1.21E+00	2.41E-01	poss-det
SD	HOLDING POND	HP6	METALS	Cadmium	ug/Kg	1.20E+03	DET	9.90E+02	4.98E+03	1.21E+00	2.41E-01	poss-det
SD	HOLDING POND	HP2	METALS	Cadmium	ug/Kg	1.70E+03	DET	9.90E+02	4.98E+03	1.72E+00	3.41E-01	poss-det
SD	HOLDING POND	HP4	METALS	Chromium	ug/Kg	7.41E+04	DET	4.34E+04	1.11E+05	1.71E+00	6.68E-01	poss-det
SD	HOLDING POND	HP5	METALS	Chromium	ug/Kg	7.47E+04	DET	4.34E+04	1.11E+05	1.72E+00	6.73E-01	poss-det
SD	HOLDING POND	HP6	METALS	Chromium	ug/Kg	8.87E+04	DET	4.34E+04	1.11E+05	2.04E+00	7.99E-01	poss-det
SD	HOLDING POND	HP3	METALS	Chromium	ug/Kg	1.36E+05	DET	4.34E+04	1.11E+05	3.13E+00	1.23E+00	prob-det
SD	HOLDING POND	HP2	METALS	Chromium	ug/Kg	7.66E+05	DET	4.34E+04	1.11E+05	1.76E+01	6.90E+00	prob-det
SD	HOLDING POND	HP1	METALS	Chromium	ug/Kg	8.66E+05	DET	4.34E+04	1.11E+05	2.00E+01	7.80E+00	prob-det
SD	HOLDING POND	HP1	METALS	Cobalt	ug/Kg	6.60E+03	DET	5.00E+04		1.32E-01		none
SD	HOLDING POND	HP2	METALS	Cobalt	ug/Kg	7.40E+03	DET	5.00E+04		1.48E-01		none
SD	HOLDING POND	HP4	METALS	Cobalt	ug/Kg	8.20E+03	DET	5.00E+04		1.64E-01		none
SD	HOLDING POND	HP5	METALS	Cobalt	ug/Kg	8.50E+03	DET	5.00E+04		1.70E-01		none
SD	HOLDING POND	HP3	METALS	Cobalt	ug/Kg	1.15E+04	DET	5.00E+04		2.30E-01		none
SD	HOLDING POND	HP6	METALS	Cobalt	ug/Kg	1.15E+04	DET	5.00E+04		2.30E-01		none
SD	HOLDING POND	HP5	METALS	Copper	ug/Kg	3.36E+04	DET	3.16E+04	1.49E+05	1.06E+00	2.26E-01	poss-det
SD	HOLDING POND	HP6	METALS	Copper	ug/Kg	3.53E+04	DET	3.16E+04	1.49E+05	1.12E+00	2.37E-01	poss-det
SD	HOLDING POND	HP4	METALS	Copper	ug/Kg	3.96E+04	DET	3.16E+04	1.49E+05	1.25E+00	2.66E-01	poss-det
SD	HOLDING POND	HP1	METALS	Copper	ug/Kg	4.26E+04	DET	3.16E+04	1.49E+05	1.35E+00	2.86E-01	poss-det
SD	HOLDING POND	HP3	METALS	Copper	ug/Kg	4.55E+04	DET	3.16E+04	1.49E+05	1.44E+00	3.05E-01	poss-det
SD	HOLDING POND	HP2	METALS	Copper	ug/Kg	5.16E+04	DET	3.16E+04	1.49E+05	1.63E+00	3.46E-01	poss-det
SD	HOLDING POND	HP4	METALS	Lead	ug/Kg	2.70E+03	DET	3.58E+04	1.28E+05	7.54E-02	2.11E-02	none
SD	HOLDING POND	HP5	METALS	Lead	ug/Kg	6.60E+03	DET	3.58E+04	1.28E+05	1.84E-01	5.16E-02	none
SD	HOLDING POND	HP3	METALS	Lead	ug/Kg	9.30E+03	DET	3.58E+04	1.28E+05	2.60E-01	7.27E-02	none
SD	HOLDING POND	HP6	METALS	Lead	ug/Kg	1.23E+04	DET	3.58E+04	1.28E+05	3.44E-01	9.61E-02	none
SD	HOLDING POND	HP1	METALS	Lead	ug/Kg	2.14E+04	DET	3.58E+04	1.28E+05	5.98E-01	1.67E-01	none
SD	HOLDING POND	HP2	METALS	Lead	ug/Kg	2.79E+04	DET	3.58E+04	1.28E+05	7.79E-01	2.18E-01	none
SD	HOLDING POND	HP1	METALS	Manganese	ug/Kg	2.86E+05	DET	1.67E+03	1.08E+03	1.71E+02	2.65E+02	prob-det
SD	HOLDING POND	HP5	METALS	Manganese	ug/Kg	3.21E+05	DET	1.67E+03	1.08E+03	1.92E+02	2.97E+02	prob-det
SD	HOLDING POND	HP2	METALS	Manganese	ug/Kg	3.40E+05	DET	1.67E+03	1.08E+03	2.03E+02	3.15E+02	prob-det
SD	HOLDING POND	HP6	METALS	Manganese	ug/Kg	3.59E+05	DET	1.67E+03	1.08E+03	2.15E+02	3.32E+02	prob-det
SD	HOLDING POND	HP4	METALS	Manganese	ug/Kg	4.03E+05	DET	1.67E+03	1.08E+03	2.41E+02	3.73E+02	prob-det
SD	HOLDING POND	HP3	METALS	Manganese	ug/Kg	4.95E+05	DET	1.67E+03	1.08E+03	2.96E+02	4.58E+02	prob-det
SD	HOLDING POND	HP5	METALS	Mercury	ug/Kg	4.40E+01	DET	1.80E+02	1.06E+03	2.44E-01	4.15E-02	none
SD	HOLDING POND	HP4	METALS	Mercury	ug/Kg	4.80E+01	DET	1.80E+02	1.06E+03	2.67E-01	4.53E-02	none
SD	HOLDING POND	HP3	METALS	Mercury	ug/Kg	6.90E+01	DET	1.80E+02	1.06E+03	3.83E-01	6.51E-02	none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	HOLDING POND	HP6	METALS	Mercury	ug/Kg	8.60E+01	DET	1.80E+02	1.06E+03	4.78E-01	8.11E-02	none
SD	HOLDING POND	HP1	METALS	Mercury	ug/Kg	2.60E+02	DET	1.80E+02	1.06E+03	1.44E+00	2.45E-01	poss-det
SD	HOLDING POND	HP2	METALS	Mercury	ug/Kg	3.40E+02	DET	1.80E+02	1.06E+03	1.89E+00	3.21E-01	poss-det
SD	HOLDING POND	HP4	METALS	Nickel	ug/Kg	3.10E+04	DET	2.27E+04	4.86E+04	1.37E+00	6.38E-01	poss-det
SD	HOLDING POND	HP5	METALS	Nickel	ug/Kg	7.55E+04	DET	2.27E+04	4.86E+04	3.33E+00	1.55E+00	prob-det
SD	HOLDING POND	HP1	METALS	Nickel	ug/Kg	1.21E+05	DET	2.27E+04	4.86E+04	5.33E+00	2.49E+00	prob-det
SD	HOLDING POND	HP3	METALS	Nickel	ug/Kg	1.29E+05	DET	2.27E+04	4.86E+04	5.68E+00	2.65E+00	prob-det
SD	HOLDING POND	HP6	METALS	Nickel	ug/Kg	1.69E+05	DET	2.27E+04	4.86E+04	7.44E+00	3.48E+00	prob-det
SD	HOLDING POND	HP2	METALS	Nickel	ug/Kg	2.17E+05	DET	2.27E+04	4.86E+04	9.56E+00	4.47E+00	prob-det
SD	HOLDING POND	HP3	METALS	Silver	ug/Kg	2.32E+01	ND	5.00E+02		4.64E-02		none
SD	HOLDING POND	HP6	METALS	Silver	ug/Kg	2.78E+01	ND	5.00E+02		5.56E-02		none
SD	HOLDING POND	HP2	METALS	Silver	ug/Kg	2.97E+01	ND	5.00E+02		5.94E-02		none
SD	HOLDING POND	HP1	METALS	Silver	ug/Kg	3.05E+01	ND	5.00E+02		6.10E-02		none
SD	HOLDING POND	HP4	METALS	Silver	ug/Kg	3.24E+01	ND	5.00E+02		6.48E-02		none
SD	HOLDING POND	HP5	METALS	Silver	ug/Kg	3.43E+01	ND	5.00E+02		6.86E-02		none
SD	HOLDING POND	HP4	METALS	Zinc	ug/Kg	1.25E+05	DET	1.21E+05	4.59E+05	1.03E+00	2.72E-01	poss-det
SD	HOLDING POND	HP5	METALS	Zinc	ug/Kg	3.87E+05	DET	1.21E+05	4.59E+05	3.20E+00	8.43E-01	poss-det
SD	HOLDING POND	HP3	METALS	Zinc	ug/Kg	4.85E+05	DET	1.21E+05	4.59E+05	4.01E+00	1.06E+00	prob-det
SD	HOLDING POND	HP1	METALS	Zinc	ug/Kg	7.37E+05	DET	1.21E+05	4.59E+05	6.09E+00	1.61E+00	prob-det
SD	HOLDING POND	HP6	METALS	Zinc	ug/Kg	7.83E+05	DET	1.21E+05	4.59E+05	6.47E+00	1.71E+00	prob-det
SD	HOLDING POND	HP2	METALS	Zinc	ug/Kg	1.01E+06	DET	1.21E+05	4.59E+05	8.35E+00	2.20E+00	prob-det
SD	HOLDING POND	HP3	PCB	Aroclor-1016	ug/kg	6.86E+00	ND	5.98E+01	6.76E+02	1.15E-01	1.01E-02	none
SD	HOLDING POND	HP4	PCB	Aroclor-1016	ug/kg	6.86E+00	ND	5.98E+01	6.76E+02	1.15E-01	1.01E-02	none
SD	HOLDING POND	HP6	PCB	Aroclor-1016	ug/kg	6.86E+00	ND	5.98E+01	6.76E+02	1.15E-01	1.01E-02	none
SD	HOLDING POND	HP5	PCB	Aroclor-1016	ug/kg	6.86E+00	ND	5.98E+01	6.76E+02	1.15E-01	1.01E-02	none
SD	HOLDING POND	HP1	PCB	Aroclor-1016	ug/kg	6.86E+00	ND	5.98E+01	6.76E+02	1.15E-01	1.01E-02	none
SD	HOLDING POND	HP2	PCB	Aroclor-1016	ug/kg	6.86E+01	ND	5.98E+01	6.76E+02	1.15E+00	1.01E-01	poss-ND
SD	HOLDING POND	HP3	PCB	Aroclor-1221	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP4	PCB	Aroclor-1221	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP6	PCB	Aroclor-1221	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP5	PCB	Aroclor-1221	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP1	PCB	Aroclor-1221	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP2	PCB	Aroclor-1221	ug/kg	8.33E+01	ND	5.98E+01	6.76E+02	1.39E+00	1.23E-01	poss-ND
SD	HOLDING POND	HP1	PCB	Aroclor-1232	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP3	PCB	Aroclor-1232	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP4	PCB	Aroclor-1232	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP6	PCB	Aroclor-1232	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP5	PCB	Aroclor-1232	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP2	PCB	Aroclor-1232	ug/kg	8.33E+01	ND	5.98E+01	6.76E+02	1.39E+00	1.23E-01	poss-ND
SD	HOLDING POND	HP1	PCB	Aroclor-1242	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP3	PCB	Aroclor-1242	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP4	PCB	Aroclor-1242	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP6	PCB	Aroclor-1242	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP5	PCB	Aroclor-1242	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP2	PCB	Aroclor-1242	ug/kg	8.33E+01	ND	5.98E+01	6.76E+02	1.39E+00	1.23E-01	poss-ND
SD	HOLDING POND	HP3	PCB	Aroclor-1248	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP4	PCB	Aroclor-1248	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP6	PCB	Aroclor-1248	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP5	PCB	Aroclor-1248	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP1	PCB	Aroclor-1248	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP2	PCB	Aroclor-1248	ug/kg	8.33E+01	ND	5.98E+01	6.76E+02	1.39E+00	1.23E-01	poss-ND
SD	HOLDING POND	HP1	PCB	Aroclor-1254	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP3	PCB	Aroclor-1254	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP4	PCB	Aroclor-1254	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP6	PCB	Aroclor-1254	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP5	PCB	Aroclor-1254	ug/kg	8.32E+00	ND	5.98E+01	6.76E+02	1.39E-01	1.23E-02	none
SD	HOLDING POND	HP2	PCB	Aroclor-1254	ug/kg	8.33E+01	ND	5.98E+01	6.76E+02	1.39E+00	1.23E-01	poss-ND
SD	HOLDING POND	HP1	PCB	Aroclor-1260	ug/kg	1.00E+01	ND	5.98E+01	6.76E+02	1.68E-01	1.48E-02	none
SD	HOLDING POND	HP3	PCB	Aroclor-1260	ug/kg	1.00E+01	ND	5.98E+01	6.76E+02	1.68E-01	1.48E-02	none
SD	HOLDING POND	HP4	PCB	Aroclor-1260	ug/kg	1.00E+01	ND	5.98E+01	6.76E+02	1.68E-01	1.48E-02	none
SD	HOLDING POND	HP6	PCB	Aroclor-1260	ug/kg	1.00E+01	ND	5.98E+01	6.76E+02	1.68E-01	1.48E-02	none
SD	HOLDING POND	HP5	PCB	Aroclor-1260	ug/kg	1.00E+01	ND	5.98E+01	6.76E+02	1.68E-01	1.48E-02	none
SD	HOLDING POND	HP2	PCB	Aroclor-1260	ug/kg	1.00E+02	ND	5.98E+01	6.76E+02	1.68E+00	1.48E-01	poss-ND
SD	HOLDING POND	HP1	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	HOLDING POND	HP2	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	HOLDING POND	HP3	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	HOLDING POND	HP4	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	HOLDING POND	HP5	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	HOLDING POND	HP6	SVOA	1,2,4-Trichlorobenzene	ug/kg	7.88E+01	ND	9.20E+03		8.57E-03		none
SD	HOLDING POND	HP3	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	HOLDING POND	HP1	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	HOLDING POND	HP2	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	HOLDING POND	HP4	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	HOLDING POND	HP5	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	HOLDING POND	HP6	SVOA	1,2-Dichlorobenzene	ug/kg	7.12E+01	ND	3.40E+02		2.09E-01		none
SD	HOLDING POND	HP3	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	HOLDING POND	HP2	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	HOLDING POND	HP1	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	HOLDING POND	HP4	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	HOLDING POND	HP5	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	HOLDING POND	HP6	SVOA	1,3-Dichlorobenzene	ug/kg	7.12E+01	ND	1.70E+03		4.19E-02		none
SD	HOLDING POND	HP1	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	HOLDING POND	HP2	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	HOLDING POND	HP3	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	HOLDING POND	HP4	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	HOLDING POND	HP5	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	HOLDING POND	HP6	SVOA	1,4-Dichlorobenzene	ug/kg	6.95E+01	ND	3.50E+02		1.99E-01		none
SD	HOLDING POND	HP2	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	HOLDING POND	HP3	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	HOLDING POND	HP4	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	HOLDING POND	HP5	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	HOLDING POND	HP6	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	HOLDING POND	HP1	SVOA	2,4,5-Trichlorophenol	ug/kg	7.80E+01	ND	2.08E+02		3.75E-01		none
SD	HOLDING POND	HP2	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	HOLDING POND	HP1	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	HOLDING POND	HP3	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	HOLDING POND	HP4	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	HOLDING POND	HP5	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	HOLDING POND	HP6	SVOA	2,4,6-Trichlorophenol	ug/kg	7.42E+01	ND	2.08E+02		3.57E-01		none
SD	HOLDING POND	HP2	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	HOLDING POND	HP1	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	HOLDING POND	HP3	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	HOLDING POND	HP4	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	HOLDING POND	HP5	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	HOLDING POND	HP6	SVOA	2,4-Dichlorophenol	ug/kg	7.87E+01	ND	8.17E+01		9.63E-01		none
SD	HOLDING POND	HP1	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	HOLDING POND	HP3	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	HOLDING POND	HP2	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	HOLDING POND	HP4	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	HOLDING POND	HP5	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	HOLDING POND	HP6	SVOA	2,4-Dimethylphenol	ug/kg	1.69E+02	ND	3.04E+02		5.55E-01		none
SD	HOLDING POND	HP2	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	HOLDING POND	HP1	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	HOLDING POND	HP3	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	HOLDING POND	HP4	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	HOLDING POND	HP5	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	HOLDING POND	HP6	SVOA	2,4-Dinitrophenol	ug/kg	6.37E+01	ND	6.21E+00		1.03E+01		poss-ND
SD	HOLDING POND	HP1	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	HOLDING POND	HP3	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	HOLDING POND	HP2	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	HOLDING POND	HP4	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	HOLDING POND	HP5	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	HOLDING POND	HP6	SVOA	2,4-Dinitrotoluene	ug/kg	9.21E+01	ND	1.44E+01		6.40E+00		poss-ND
SD	HOLDING POND	HP3	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	HOLDING POND	HP2	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	HOLDING POND	HP4	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	HOLDING POND	HP5	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	HOLDING POND	HP6	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	HOLDING POND	HP1	SVOA	2,6-Dinitrotoluene	ug/kg	8.75E+01	ND	3.98E+01		2.20E+00		poss-ND
SD	HOLDING POND	HP2	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	HOLDING POND	HP4	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	HOLDING POND	HP5	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	HOLDING POND	HP6	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	HOLDING POND	HP3	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	HOLDING POND	HP1	SVOA	2-Chloronaphthalene	ug/kg	7.15E+01	ND	4.17E+02		1.71E-01		none
SD	HOLDING POND	HP1	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	HOLDING POND	HP3	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	HOLDING POND	HP2	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	HOLDING POND	HP4	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	HOLDING POND	HP5	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	HOLDING POND	HP6	SVOA	2-Chlorophenol	ug/kg	7.58E+01	ND	3.19E+01		2.38E+00		poss-ND
SD	HOLDING POND	HP1	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	HOLDING POND	HP3	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	HOLDING POND	HP2	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	HOLDING POND	HP4	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	HOLDING POND	HP5	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	HOLDING POND	HP6	SVOA	2-Methylnaphthalene	ug/kg	8.06E+01	ND	3.30E+02		2.44E-01		none
SD	HOLDING POND	HP1	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	HOLDING POND	HP3	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	HOLDING POND	HP4	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	HOLDING POND	HP5	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	HOLDING POND	HP6	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	HOLDING POND	HP2	SVOA	2-Methylphenol	ug/kg	7.44E+01	ND	5.54E+01		1.34E+00		poss-ND
SD	HOLDING POND	HP2	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	HOLDING POND	HP1	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	HOLDING POND	HP3	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	HOLDING POND	HP4	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	HOLDING POND	HP5	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	HOLDING POND	HP6	SVOA	3,3'-Dichlorobenzidine	ug/kg	5.29E+01	ND	1.27E+02		4.17E-01		none
SD	HOLDING POND	HP2	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	HOLDING POND	HP3	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	HOLDING POND	HP4	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	HOLDING POND	HP5	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	HOLDING POND	HP6	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	HOLDING POND	HP1	SVOA	4,6-Dinitro-2-methylphenol	ug/kg	5.89E+01	ND	1.04E+02		5.66E-01		none
SD	HOLDING POND	HP2	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	HOLDING POND	HP1	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	HOLDING POND	HP3	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	HOLDING POND	HP4	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	HOLDING POND	HP5	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	HOLDING POND	HP6	SVOA	4-Bromophenylphenyl ether	ug/kg	7.02E+01	ND	1.30E+03		5.40E-02		none
SD	HOLDING POND	HP2	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	HOLDING POND	HP1	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	HOLDING POND	HP3	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	HOLDING POND	HP4	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	HOLDING POND	HP5	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	HOLDING POND	HP6	SVOA	4-Chloro-3-methylphenol	ug/kg	8.25E+01	ND	3.88E+02		2.13E-01		none
SD	HOLDING POND	HP2	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	HOLDING POND	HP3	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	HOLDING POND	HP4	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	HOLDING POND	HP5	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	HOLDING POND	HP6	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	HOLDING POND	HP1	SVOA	4-Chloroaniline	ug/kg	7.32E+01	ND	1.46E+02		5.01E-01		none
SD	HOLDING POND	HP1	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	HOLDING POND	HP3	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	HOLDING POND	HP5	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	HOLDING POND	HP6	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	HOLDING POND	HP2	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	HOLDING POND	HP4	SVOA	4-Chlorophenyl-phenylether	ug/kg	8.19E+01	ND	1.30E+03		6.30E-02		none
SD	HOLDING POND	HP1	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	HOLDING POND	HP3	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	HOLDING POND	HP2	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	HOLDING POND	HP4	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	HOLDING POND	HP5	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	HOLDING POND	HP6	SVOA	4-Methylphenol	ug/kg	6.91E+01	ND	2.02E+01		3.42E+00		poss-ND
SD	HOLDING POND	HP2	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	HOLDING POND	HP1	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	HOLDING POND	HP3	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	HOLDING POND	HP4	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	HOLDING POND	HP5	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	HOLDING POND	HP6	SVOA	7,12-Dimethylbenz(a)anthracene	ug/kg	8.33E+01	ND	6.64E+04		1.25E-03		none
SD	HOLDING POND	HP2	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	HOLDING POND	HP1	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	HOLDING POND	HP3	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	HOLDING POND	HP4	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	HOLDING POND	HP5	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	HOLDING POND	HP6	SVOA	Acenaphthene	ug/kg	7.45E+01	ND	3.30E+02		2.26E-01		none
SD	HOLDING POND	HP1	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	HOLDING POND	HP3	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	HOLDING POND	HP2	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	HOLDING POND	HP4	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	HOLDING POND	HP5	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	HOLDING POND	HP6	SVOA	Acenaphthylene	ug/kg	7.33E+01	ND	3.30E+02		2.22E-01		none
SD	HOLDING POND	HP3	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	HOLDING POND	HP1	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	HOLDING POND	HP2	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	HOLDING POND	HP4	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	HOLDING POND	HP5	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	HOLDING POND	HP6	SVOA	Anthracene	ug/kg	7.10E+01	ND	5.72E+01	8.45E+02	1.24E+00	8.40E-02	poss-ND
SD	HOLDING POND	HP2	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	HOLDING POND	HP3	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	HOLDING POND	HP4	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	HOLDING POND	HP6	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	HOLDING POND	HP5	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	HOLDING POND	HP1	SVOA	Benzo(a)anthracene	ug/kg	7.06E+01	ND	1.08E+02	1.05E+03	6.54E-01	6.72E-02	none
SD	HOLDING POND	HP4	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	HOLDING POND	HP5	SVOA	Benzo(a)pyrene	ug/kg	7.36E+01	ND	1.50E+02	1.45E+03	4.91E-01	5.08E-02	none
SD	HOLDING POND	HP3	SVOA	Benzo(a)pyrene	ug/kg	1.37E+02	DET	1.50E+02	1.45E+03	9.13E-01	9.45E-02	none
SD	HOLDING POND	HP6	SVOA	Benzo(a)pyrene	ug/kg	1.85E+02	DET	1.50E+02	1.45E+03	1.23E+00	1.28E-01	poss-det
SD	HOLDING POND	HP1	SVOA	Benzo(a)pyrene	ug/kg	2.86E+02	DET	1.50E+02	1.45E+03	1.91E+00	1.97E-01	poss-det
SD	HOLDING POND	HP2	SVOA	Benzo(a)pyrene	ug/kg	3.18E+02	DET	1.50E+02	1.45E+03	2.12E+00	2.19E-01	poss-det
SD	HOLDING POND	HP4	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	HOLDING POND	HP5	SVOA	Benzo(b)fluoranthene	ug/kg	8.31E+01	ND	1.04E+04		7.99E-03		none
SD	HOLDING POND	HP3	SVOA	Benzo(b)fluoranthene	ug/kg	1.53E+02	DET	1.04E+04		1.47E-02		none
SD	HOLDING POND	HP1	SVOA	Benzo(b)fluoranthene	ug/kg	2.65E+02	DET	1.04E+04		2.55E-02		none
SD	HOLDING POND	HP6	SVOA	Benzo(b)fluoranthene	ug/kg	2.86E+02	DET	1.04E+04		2.75E-02		none
SD	HOLDING POND	HP2	SVOA	Benzo(b)fluoranthene	ug/kg	3.23E+02	DET	1.04E+04		3.11E-02		none
SD	HOLDING POND	HP4	SVOA	Benzo(g,h,i)perylene	ug/kg	7.77E+01	ND	2.90E+02	6.30E+03	2.68E-01	1.23E-02	none
SD	HOLDING POND	HP5	SVOA	Benzo(g,h,i)perylene	ug/kg	7.93E+01	DET	2.90E+02	6.30E+03	2.73E-01	1.26E-02	none
SD	HOLDING POND	HP3	SVOA	Benzo(g,h,i)perylene	ug/kg	1.05E+02	DET	2.90E+02	6.30E+03	3.62E-01	1.67E-02	none
SD	HOLDING POND	HP6	SVOA	Benzo(g,h,i)perylene	ug/kg	1.79E+02	DET	2.90E+02	6.30E+03	6.17E-01	2.84E-02	none
SD	HOLDING POND	HP1	SVOA	Benzo(g,h,i)perylene	ug/kg	3.78E+02	DET	2.90E+02	6.30E+03	1.30E+00	6.00E-02	poss-det
SD	HOLDING POND	HP2	SVOA	Benzo(g,h,i)perylene	ug/kg	4.50E+02	DET	2.90E+02	6.30E+03	1.55E+00	7.14E-02	poss-det
SD	HOLDING POND	HP3	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	HOLDING POND	HP2	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	HOLDING POND	HP4	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	HOLDING POND	HP6	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	HOLDING POND	HP5	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	HOLDING POND	HP1	SVOA	Benzo(k)fluoranthene	ug/kg	7.53E+01	ND	2.40E+02		3.14E-01		none
SD	HOLDING POND	HP2	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	HOLDING POND	HP1	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	HOLDING POND	HP3	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	HOLDING POND	HP4	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	HOLDING POND	HP6	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	HOLDING POND	HP5	SVOA	Benzyl alcohol	ug/kg	7.66E+01	ND	1.04E+00		7.37E+01		poss-ND
SD	HOLDING POND	HP2	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	HOLDING POND	HP1	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	HOLDING POND	HP3	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	HOLDING POND	HP4	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	HOLDING POND	HP6	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	HOLDING POND	HP5	SVOA	Bis(2-chloroethyl)ether	ug/kg	7.29E+01	ND	3.52E+03		2.07E-02		none
SD	HOLDING POND	HP2	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	HOLDING POND	HP1	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	HOLDING POND	HP3	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	HOLDING POND	HP4	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	HOLDING POND	HP6	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none
SD	HOLDING POND	HP5	SVOA	Bis(2-chloroisopropyl)ether	ug/kg	6.76E+01	ND	3.52E+03		1.92E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	HOLDING POND	HP3	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	HOLDING POND	HP4	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	HOLDING POND	HP6	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	HOLDING POND	HP5	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	HOLDING POND	HP1	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	1.89E+02	ND	1.82E+02		1.04E+00		poss-ND
SD	HOLDING POND	HP2	SVOA	Bis(2-ethylhexyl)phthalate	ug/kg	3.24E+02	DET	1.82E+02		1.78E+00		poss-det
SD	HOLDING POND	HP2	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	HOLDING POND	HP1	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	HOLDING POND	HP3	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	HOLDING POND	HP4	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	HOLDING POND	HP6	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	HOLDING POND	HP5	SVOA	Butylbenzyl phthalate	ug/kg	8.14E+01	ND	1.10E+04		7.40E-03		none
SD	HOLDING POND	HP4	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	HOLDING POND	HP5	SVOA	Chrysene	ug/kg	7.30E+01	ND	1.66E+02	1.29E+03	4.40E-01	5.66E-02	none
SD	HOLDING POND	HP3	SVOA	Chrysene	ug/kg	2.05E+02	DET	1.66E+02	1.29E+03	1.23E+00	1.59E-01	poss-det
SD	HOLDING POND	HP6	SVOA	Chrysene	ug/kg	2.31E+02	DET	1.66E+02	1.29E+03	1.39E+00	1.79E-01	poss-det
SD	HOLDING POND	HP1	SVOA	Chrysene	ug/kg	3.31E+02	DET	1.66E+02	1.29E+03	1.99E+00	2.57E-01	poss-det
SD	HOLDING POND	HP2	SVOA	Chrysene	ug/kg	3.73E+02	DET	1.66E+02	1.29E+03	2.25E+00	2.89E-01	poss-det
SD	HOLDING POND	HP2	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	HOLDING POND	HP1	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	HOLDING POND	HP3	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	HOLDING POND	HP4	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	HOLDING POND	HP6	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	HOLDING POND	HP5	SVOA	Dibenz(a,h)anthracene	ug/kg	7.49E+01	ND	3.30E+01		2.27E+00		poss-ND
SD	HOLDING POND	HP1	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	HOLDING POND	HP2	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	HOLDING POND	HP3	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	HOLDING POND	HP4	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	HOLDING POND	HP6	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	HOLDING POND	HP5	SVOA	Dibenzofuran	ug/kg	7.54E+01	ND	2.00E+03		3.77E-02		none
SD	HOLDING POND	HP2	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	HOLDING POND	HP1	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	HOLDING POND	HP3	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	HOLDING POND	HP4	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	HOLDING POND	HP6	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	HOLDING POND	HP5	SVOA	Diethylphthalate	ug/kg	9.88E+01	ND	6.30E+02		1.57E-01		none
SD	HOLDING POND	HP1	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	HOLDING POND	HP3	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	HOLDING POND	HP2	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	HOLDING POND	HP4	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	HOLDING POND	HP5	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	HOLDING POND	HP6	SVOA	Dimethylphthalate	ug/kg	8.25E+01	ND	6.30E+02		1.31E-01		none
SD	HOLDING POND	HP1	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	HOLDING POND	HP2	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	HOLDING POND	HP3	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	HOLDING POND	HP4	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	HOLDING POND	HP6	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	HOLDING POND	HP5	SVOA	Di-n-butylphthalate	ug/kg	8.12E+01	ND	1.10E+04		7.38E-03		none
SD	HOLDING POND	HP3	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	HOLDING POND	HP1	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	HOLDING POND	HP2	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	HOLDING POND	HP6	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	HOLDING POND	HP5	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	HOLDING POND	HP4	SVOA	Di-n-octyl phthalate	ug/kg	8.83E+01	ND	4.06E+04		2.17E-03		none
SD	HOLDING POND	HP1	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	HOLDING POND	HP3	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	HOLDING POND	HP2	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	HOLDING POND	HP4	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	HOLDING POND	HP6	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	HOLDING POND	HP5	SVOA	Fluoranthene	ug/kg	8.31E+01	ND	4.23E+02	2.23E+03	1.96E-01	3.73E-02	none
SD	HOLDING POND	HP3	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	HOLDING POND	HP6	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	HOLDING POND	HP5	SVOA	Fluorene	ug/kg	8.65E+01	ND	7.74E+01	5.36E+02	1.12E+00	1.61E-01	poss-ND
SD	HOLDING POND	HP4	SVOA	Fluorene	ug/kg	1.20E+02	DET	7.74E+01	5.36E+02	1.55E+00	2.24E-01	poss-det
SD	HOLDING POND	HP1	SVOA	Fluorene	ug/kg	6.90E+02	DET	7.74E+01	5.36E+02	8.91E+00	1.29E+00	prob-det
SD	HOLDING POND	HP2	SVOA	Fluorene	ug/kg	7.83E+02	DET	7.74E+01	5.36E+02	1.01E+01	1.46E+00	prob-det
SD	HOLDING POND	HP2	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	HOLDING POND	HP3	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	HOLDING POND	HP4	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	HOLDING POND	HP6	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	HOLDING POND	HP5	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	HOLDING POND	HP1	SVOA	Hexachlorobenzene	ug/kg	7.24E+01	ND	2.00E+01		3.62E+00		poss-ND
SD	HOLDING POND	HP1	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	HOLDING POND	HP2	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	HOLDING POND	HP4	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	HOLDING POND	HP6	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	HOLDING POND	HP5	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	HOLDING POND	HP3	SVOA	Hexachlorobutadiene	ug/kg	8.15E+01	ND	2.65E+01		3.08E+00		poss-ND
SD	HOLDING POND	HP2	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	HOLDING POND	HP3	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	HOLDING POND	HP4	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	HOLDING POND	HP6	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	HOLDING POND	HP5	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	HOLDING POND	HP1	SVOA	Hexachlorocyclopentadiene	ug/kg	5.28E+01	ND	9.01E+02		5.86E-02		none
SD	HOLDING POND	HP1	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	HOLDING POND	HP3	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	HOLDING POND	HP2	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	HOLDING POND	HP4	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	HOLDING POND	HP6	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	HOLDING POND	HP5	SVOA	Hexachloroethane	ug/kg	6.68E+01	ND	1.00E+03		6.68E-02		none
SD	HOLDING POND	HP3	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	HOLDING POND	HP4	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	HOLDING POND	HP6	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	HOLDING POND	HP5	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	7.57E+01	ND	7.80E+01	8.37E+02	9.71E-01	9.05E-02	none
SD	HOLDING POND	HP1	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	8.16E+01	DET	7.80E+01	8.37E+02	1.05E+00	9.75E-02	poss-det
SD	HOLDING POND	HP2	SVOA	Indeno(1,2,3-CD)pyrene	ug/kg	9.92E+01	DET	7.80E+01	8.37E+02	1.27E+00	1.19E-01	poss-det
SD	HOLDING POND	HP1	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	HOLDING POND	HP3	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	HOLDING POND	HP2	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	HOLDING POND	HP4	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	HOLDING POND	HP6	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	HOLDING POND	HP5	SVOA	Isophorone	ug/kg	8.47E+01	ND	4.32E+02		1.96E-01		none
SD	HOLDING POND	HP3	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	HOLDING POND	HP2	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	HOLDING POND	HP1	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	HOLDING POND	HP4	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	HOLDING POND	HP6	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	HOLDING POND	HP5	SVOA	Naphthalene	ug/kg	7.67E+01	ND	1.76E+02	5.61E+02	4.36E-01	1.37E-01	none
SD	HOLDING POND	HP2	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	HOLDING POND	HP3	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	HOLDING POND	HP4	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	HOLDING POND	HP6	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	HOLDING POND	HP5	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	HOLDING POND	HP1	SVOA	Nitrobenzene	ug/kg	7.77E+01	ND	1.45E+02		5.36E-01		none
SD	HOLDING POND	HP2	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	HOLDING POND	HP1	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	HOLDING POND	HP3	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	HOLDING POND	HP4	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	HOLDING POND	HP6	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	HOLDING POND	HP5	SVOA	Pentachlorophenol	ug/kg	7.03E+01	ND	2.30E+03		3.06E-02		none
SD	HOLDING POND	HP3	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	HOLDING POND	HP4	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	HOLDING POND	HP6	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	HOLDING POND	HP5	SVOA	Phenanthrene	ug/kg	6.69E+01	ND	2.04E+02	1.17E+03	3.28E-01	5.72E-02	none
SD	HOLDING POND	HP1	SVOA	Phenanthrene	ug/kg	5.00E+02	DET	2.04E+02	1.17E+03	2.45E+00	4.27E-01	poss-det
SD	HOLDING POND	HP2	SVOA	Phenanthrene	ug/kg	6.75E+02	DET	2.04E+02	1.17E+03	3.31E+00	5.77E-01	poss-det
SD	HOLDING POND	HP2	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	HOLDING POND	HP1	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	HOLDING POND	HP3	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	HOLDING POND	HP4	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	HOLDING POND	HP6	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	HOLDING POND	HP5	SVOA	Phenol	ug/kg	7.45E+01	ND	4.91E+01		1.52E+00		poss-ND
SD	HOLDING POND	HP3	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	HOLDING POND	HP4	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	HOLDING POND	HP6	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	HOLDING POND	HP5	SVOA	Pyrene	ug/kg	7.93E+01	ND	1.95E+02	1.52E+03	4.07E-01	5.22E-02	none
SD	HOLDING POND	HP1	SVOA	Pyrene	ug/kg	9.59E+01	DET	1.95E+02	1.52E+03	4.92E-01	6.31E-02	none
SD	HOLDING POND	HP2	SVOA	Pyrene	ug/kg	1.36E+02	DET	1.95E+02	1.52E+03	6.97E-01	8.95E-02	none
SD	HOLDING POND	HP2	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	HOLDING POND	HP1	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	HOLDING POND	HP3	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	HOLDING POND	HP4	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	HOLDING POND	HP6	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	HOLDING POND	HP5	SVOA	Pyridine	ug/kg	8.33E+01	ND	1.06E+02		7.85E-01		none
SD	HOLDING POND	HP3	VOA	1,1,1-Trichloroethane	ug/kg	6.49E-01	ND	1.70E+02		3.82E-03		none
SD	HOLDING POND	HP5	VOA	1,1,1-Trichloroethane	ug/kg	6.49E-01	ND	1.70E+02		3.82E-03		none
SD	HOLDING POND	HP2	VOA	1,1,1-Trichloroethane	ug/kg	3.24E+00	ND	1.70E+02		1.91E-02		none
SD	HOLDING POND	HP4	VOA	1,1,1-Trichloroethane	ug/kg	3.24E+00	ND	1.70E+02		1.91E-02		none
SD	HOLDING POND	HP6	VOA	1,1,1-Trichloroethane	ug/kg	3.24E+00	ND	1.70E+02		1.91E-02		none
SD	HOLDING POND	HP1	VOA	1,1,1-Trichloroethane	ug/kg	3.24E+00	ND	1.70E+02		1.91E-02		none
SD	HOLDING POND	HP3	VOA	1,1,2,2-Tetrachloroethane	ug/kg	1.05E+00	ND	9.40E+02		1.12E-03		none
SD	HOLDING POND	HP5	VOA	1,1,2,2-Tetrachloroethane	ug/kg	1.05E+00	ND	9.40E+02		1.12E-03		none
SD	HOLDING POND	HP2	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.26E+00	ND	9.40E+02		5.60E-03		none
SD	HOLDING POND	HP4	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.26E+00	ND	9.40E+02		5.60E-03		none
SD	HOLDING POND	HP6	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.26E+00	ND	9.40E+02		5.60E-03		none
SD	HOLDING POND	HP1	VOA	1,1,2,2-Tetrachloroethane	ug/kg	5.26E+00	ND	9.40E+02		5.60E-03		none
SD	HOLDING POND	HP3	VOA	1,1,2-Trichloroethane	ug/kg	9.76E-01	ND	5.18E+02		1.88E-03		none
SD	HOLDING POND	HP5	VOA	1,1,2-Trichloroethane	ug/kg	9.76E-01	ND	5.18E+02		1.88E-03		none
SD	HOLDING POND	HP2	VOA	1,1,2-Trichloroethane	ug/kg	4.88E+00	ND	5.18E+02		9.42E-03		none
SD	HOLDING POND	HP4	VOA	1,1,2-Trichloroethane	ug/kg	4.88E+00	ND	5.18E+02		9.42E-03		none
SD	HOLDING POND	HP6	VOA	1,1,2-Trichloroethane	ug/kg	4.88E+00	ND	5.18E+02		9.42E-03		none
SD	HOLDING POND	HP1	VOA	1,1,2-Trichloroethane	ug/kg	4.88E+00	ND	5.18E+02		9.42E-03		none
SD	HOLDING POND	HP3	VOA	1,1-Dichloroethane	ug/kg	7.14E-01	ND	5.75E-01		1.24E+00		poss-ND
SD	HOLDING POND	HP5	VOA	1,1-Dichloroethane	ug/kg	7.14E-01	ND	5.75E-01		1.24E+00		poss-ND
SD	HOLDING POND	HP1	VOA	1,1-Dichloroethane	ug/kg	3.57E+00	ND	5.75E-01		6.21E+00		poss-ND
SD	HOLDING POND	HP2	VOA	1,1-Dichloroethane	ug/kg	3.57E+00	ND	5.75E-01		6.21E+00		poss-ND
SD	HOLDING POND	HP4	VOA	1,1-Dichloroethane	ug/kg	3.57E+00	ND	5.75E-01		6.21E+00		poss-ND
SD	HOLDING POND	HP6	VOA	1,1-Dichloroethane	ug/kg	3.57E+00	ND	5.75E-01		6.21E+00		poss-ND
SD	HOLDING POND	HP3	VOA	1,1-Dichloroethene	ug/kg	7.54E-01	ND	1.94E+01		3.89E-02		none
SD	HOLDING POND	HP5	VOA	1,1-Dichloroethene	ug/kg	7.54E-01	ND	1.94E+01		3.89E-02		none
SD	HOLDING POND	HP1	VOA	1,1-Dichloroethene	ug/kg	3.77E+00	ND	1.94E+01		1.94E-01		none
SD	HOLDING POND	HP2	VOA	1,1-Dichloroethene	ug/kg	3.77E+00	ND	1.94E+01		1.94E-01		none
SD	HOLDING POND	HP4	VOA	1,1-Dichloroethene	ug/kg	3.77E+00	ND	1.94E+01		1.94E-01		none
SD	HOLDING POND	HP6	VOA	1,1-Dichloroethene	ug/kg	3.77E+00	ND	1.94E+01		1.94E-01		none
SD	HOLDING POND	HP3	VOA	1,2-Dichloroethane	ug/kg	7.79E-01	ND	2.60E+02		3.00E-03		none
SD	HOLDING POND	HP5	VOA	1,2-Dichloroethane	ug/kg	7.79E-01	ND	2.60E+02		3.00E-03		none
SD	HOLDING POND	HP2	VOA	1,2-Dichloroethane	ug/kg	3.89E+00	ND	2.60E+02		1.50E-02		none
SD	HOLDING POND	HP1	VOA	1,2-Dichloroethane	ug/kg	3.89E+00	ND	2.60E+02		1.50E-02		none

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SE\	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	HOLDING POND	HP4	VOA	1,2-Dichloroethane	ug/kg	3.89E+00	ND	2.60E+02		1.50E-02		none
SD	HOLDING POND	HP6	VOA	1,2-Dichloroethane	ug/kg	3.89E+00	ND	2.60E+02		1.50E-02		none
SD	HOLDING POND	HP3	VOA	1,2-Dichloropropane	ug/kg	1.15E+00	ND	3.33E+02		3.45E-03		none
SD	HOLDING POND	HP5	VOA	1,2-Dichloropropane	ug/kg	1.15E+00	ND	3.33E+02		3.45E-03		none
SD	HOLDING POND	HP1	VOA	1,2-Dichloropropane	ug/kg	5.75E+00	ND	3.33E+02		1.73E-02		none
SD	HOLDING POND	HP2	VOA	1,2-Dichloropropane	ug/kg	5.75E+00	ND	3.33E+02		1.73E-02		none
SD	HOLDING POND	HP4	VOA	1,2-Dichloropropane	ug/kg	5.75E+00	ND	3.33E+02		1.73E-02		none
SD	HOLDING POND	HP6	VOA	1,2-Dichloropropane	ug/kg	5.75E+00	ND	3.33E+02		1.73E-02		none
SD	HOLDING POND	HP2	VOA	2-Butanone	ug/kg	5.36E+00	ND	4.24E+01		1.26E-01		none
SD	HOLDING POND	HP1	VOA	2-Butanone	ug/kg	5.36E+00	ND	4.24E+01		1.26E-01		none
SD	HOLDING POND	HP4	VOA	2-Butanone	ug/kg	5.36E+00	ND	4.24E+01		1.26E-01		none
SD	HOLDING POND	HP6	VOA	2-Butanone	ug/kg	5.36E+00	ND	4.24E+01		1.26E-01		none
SD	HOLDING POND	HP3	VOA	2-Butanone	ug/kg	7.40E+00	DET	4.24E+01		1.75E-01		none
SD	HOLDING POND	HP5	VOA	2-Butanone	ug/kg	1.82E+01	DET	4.24E+01		4.29E-01		none
SD	HOLDING POND	HP3	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	HOLDING POND	HP5	VOA	2-Hexanone	ug/kg	7.16E-01	ND	5.82E+01		1.23E-02		none
SD	HOLDING POND	HP2	VOA	2-Hexanone	ug/kg	3.58E+00	ND	5.82E+01		6.15E-02		none
SD	HOLDING POND	HP1	VOA	2-Hexanone	ug/kg	3.58E+00	ND	5.82E+01		6.15E-02		none
SD	HOLDING POND	HP4	VOA	2-Hexanone	ug/kg	3.58E+00	ND	5.82E+01		6.15E-02		none
SD	HOLDING POND	HP6	VOA	2-Hexanone	ug/kg	3.58E+00	ND	5.82E+01		6.15E-02		none
SD	HOLDING POND	HP3	VOA	4-Methyl-2-pentanone	ug/kg	1.01E+00	ND	2.51E+01		4.04E-02		none
SD	HOLDING POND	HP5	VOA	4-Methyl-2-pentanone	ug/kg	1.01E+00	ND	2.51E+01		4.04E-02		none
SD	HOLDING POND	HP1	VOA	4-Methyl-2-pentanone	ug/kg	5.07E+00	ND	2.51E+01		2.02E-01		none
SD	HOLDING POND	HP2	VOA	4-Methyl-2-pentanone	ug/kg	5.07E+00	ND	2.51E+01		2.02E-01		none
SD	HOLDING POND	HP4	VOA	4-Methyl-2-pentanone	ug/kg	5.07E+00	ND	2.51E+01		2.02E-01		none
SD	HOLDING POND	HP6	VOA	4-Methyl-2-pentanone	ug/kg	5.07E+00	ND	2.51E+01		2.02E-01		none
SD	HOLDING POND	HP6	VOA	Acetone	ug/kg	1.35E+01	ND	9.90E+00		1.36E+00		poss-ND
SD	HOLDING POND	HP3	VOA	Acetone	ug/kg	4.88E+01	DET	9.90E+00		4.93E+00		poss-det
SD	HOLDING POND	HP4	VOA	Acetone	ug/kg	5.46E+01	DET	9.90E+00		5.52E+00		poss-det
SD	HOLDING POND	HP5	VOA	Acetone	ug/kg	9.66E+01	DET	9.90E+00		9.76E+00		poss-det
SD	HOLDING POND	HP1	VOA	Acetone	ug/kg	4.00E+02	DET	9.90E+00		4.04E+01		poss-det
SD	HOLDING POND	HP2	VOA	Acetone	ug/kg	8.94E+02	DET	9.90E+00		9.03E+01		poss-det
SD	HOLDING POND	HP3	VOA	Benzene	ug/kg	9.38E-01	ND	5.70E+01		1.65E-02		none
SD	HOLDING POND	HP5	VOA	Benzene	ug/kg	9.38E-01	ND	5.70E+01		1.65E-02		none
SD	HOLDING POND	HP2	VOA	Benzene	ug/kg	4.69E+00	ND	5.70E+01		8.23E-02		none
SD	HOLDING POND	HP1	VOA	Benzene	ug/kg	4.69E+00	ND	5.70E+01		8.23E-02		none
SD	HOLDING POND	HP4	VOA	Benzene	ug/kg	4.69E+00	ND	5.70E+01		8.23E-02		none
SD	HOLDING POND	HP6	VOA	Benzene	ug/kg	4.69E+00	ND	5.70E+01		8.23E-02		none
SD	HOLDING POND	HP3	VOA	Bromodichloromethane	ug/kg	8.73E-01	ND	1.37E+00		6.37E-01		none
SD	HOLDING POND	HP5	VOA	Bromodichloromethane	ug/kg	8.73E-01	ND	1.37E+00		6.37E-01		none
SD	HOLDING POND	HP2	VOA	Bromodichloromethane	ug/kg	4.36E+00	ND	1.37E+00		3.19E+00		poss-ND
SD	HOLDING POND	HP1	VOA	Bromodichloromethane	ug/kg	4.36E+00	ND	1.37E+00		3.19E+00		poss-ND
SD	HOLDING POND	HP4	VOA	Bromodichloromethane	ug/kg	4.36E+00	ND	1.37E+00		3.19E+00		poss-ND
SD	HOLDING POND	HP6	VOA	Bromodichloromethane	ug/kg	4.36E+00	ND	1.37E+00		3.19E+00		poss-ND
SD	HOLDING POND	HP3	VOA	Bromoform	ug/kg	6.65E-01	ND	4.92E+02		1.35E-03		none
SD	HOLDING POND	HP5	VOA	Bromoform	ug/kg	6.65E-01	ND	4.92E+02		1.35E-03		none
SD	HOLDING POND	HP2	VOA	Bromoform	ug/kg	3.33E+00	ND	4.92E+02		6.76E-03		none
SD	HOLDING POND	HP1	VOA	Bromoform	ug/kg	3.33E+00	ND	4.92E+02		6.76E-03		none
SD	HOLDING POND	HP4	VOA	Bromoform	ug/kg	3.33E+00	ND	4.92E+02		6.76E-03		none
SD	HOLDING POND	HP6	VOA	Bromoform	ug/kg	3.33E+00	ND	4.92E+02		6.76E-03		none
SD	HOLDING POND	HP3	VOA	Bromomethane	ug/kg	7.05E-01	ND	1.37E+00		5.15E-01		none
SD	HOLDING POND	HP5	VOA	Bromomethane	ug/kg	7.05E-01	ND	1.37E+00		5.15E-01		none
SD	HOLDING POND	HP2	VOA	Bromomethane	ug/kg	3.53E+00	ND	1.37E+00		2.57E+00		poss-ND
SD	HOLDING POND	HP1	VOA	Bromomethane	ug/kg	3.53E+00	ND	1.37E+00		2.57E+00		poss-ND
SD	HOLDING POND	HP4	VOA	Bromomethane	ug/kg	3.53E+00	ND	1.37E+00		2.57E+00		poss-ND
SD	HOLDING POND	HP6	VOA	Bromomethane	ug/kg	3.53E+00	ND	1.37E+00		2.57E+00		poss-ND
SD	HOLDING POND	HP3	VOA	Carbon disulfide	ug/kg	2.30E+00	DET	2.39E+01		9.62E-02		none
SD	HOLDING POND	HP5	VOA	Carbon disulfide	ug/kg	3.00E+00	DET	2.39E+01		1.26E-01		none
SD	HOLDING POND	HP6	VOA	Carbon disulfide	ug/kg	7.10E+00	DET	2.39E+01		2.97E-01		none
SD	HOLDING POND	HP4	VOA	Carbon disulfide	ug/kg	2.52E+01	DET	2.39E+01		1.05E+00		poss-det
SD	HOLDING POND	HP1	VOA	Carbon disulfide	ug/kg	2.87E+01	DET	2.39E+01		1.20E+00		poss-det
SD	HOLDING POND	HP2	VOA	Carbon disulfide	ug/kg	8.09E+01	DET	2.39E+01		3.38E+00		poss-det
SD	HOLDING POND	HP3	VOA	Carbon tetrachloride	ug/kg	7.44E-01	ND	1.45E+03		5.13E-04		none
SD	HOLDING POND	HP5	VOA	Carbon tetrachloride	ug/kg	7.44E-01	ND	1.45E+03		5.13E-04		none
SD	HOLDING POND	HP2	VOA	Carbon tetrachloride	ug/kg	3.72E+00	ND	1.45E+03		2.57E-03		none
SD	HOLDING POND	HP1	VOA	Carbon tetrachloride	ug/kg	3.72E+00	ND	1.45E+03		2.57E-03		none
SD	HOLDING POND	HP4	VOA	Carbon tetrachloride	ug/kg	3.72E+00	ND	1.45E+03		2.57E-03		none
SD	HOLDING POND	HP6	VOA	Carbon tetrachloride	ug/kg	3.72E+00	ND	1.45E+03		2.57E-03		none
SD	HOLDING POND	HP3	VOA	Chlorobenzene	ug/kg	6.97E-01	ND	8.20E+02		8.50E-04		none
SD	HOLDING POND	HP5	VOA	Chlorobenzene	ug/kg	6.97E-01	ND	8.20E+02		8.50E-04		none
SD	HOLDING POND	HP1	VOA	Chlorobenzene	ug/kg	3.48E+00	ND	8.20E+02		4.25E-03		none
SD	HOLDING POND	HP2	VOA	Chlorobenzene	ug/kg	3.48E+00	ND	8.20E+02		4.25E-03		none
SD	HOLDING POND	HP4	VOA	Chlorobenzene	ug/kg	3.48E+00	ND	8.20E+02		4.25E-03		none
SD	HOLDING POND	HP6	VOA	Chlorobenzene	ug/kg	3.48E+00	ND	8.20E+02		4.25E-03		none
SD	HOLDING POND	HP3	VOA	Chloroethane	ug/kg	8.99E-01	ND	1.37E+00		6.56E-01		none
SD	HOLDING POND	HP5	VOA	Chloroethane	ug/kg	8.99E-01	ND	1.37E+00		6.56E-01		none
SD	HOLDING POND	HP4	VOA	Chloroethane	ug/kg	4.49E+00	ND	1.37E+00		3.28E+00		poss-ND
SD	HOLDING POND	HP6	VOA	Chloroethane	ug/kg	4.49E+00	ND	1.37E+00		3.28E+00		poss-ND
SD	HOLDING POND	HP2	VOA	Chloroethane	ug/kg	4.49E+00	ND	1.37E+00		3.28E+00		poss-ND
SD	HOLDING POND	HP1	VOA	Chloroethane	ug/kg	4.49E+00	ND	1.37E+00		3.28E+00		poss-ND
SD	HOLDING POND	HP3	VOA	Chloroform	ug/kg	7.89E-01	ND	1.21E+02		6.52E-03		none
SD	HOLDING POND	HP5	VOA	Chloroform	ug/kg	7.89E-01	ND	1.21E+02		6.52E-03		none
SD	HOLDING POND	HP2	VOA	Chloroform	ug/kg	3.94E+00	ND	1.21E+02		3.26E-02		none
SD	HOLDING POND	HP1	VOA	Chloroform	ug/kg	3.94E+00	ND	1.21E+02		3.26E-02		none
SD	HOLDING POND	HP4	VOA	Chloroform	ug/kg	3.94E+00	ND	1.21E+02		3.26E-02		none
SD	HOLDING POND	HP6	VOA	Chloroform	ug/kg	3.94E+00	ND	1.21E+02		3.26E-02		none
SD	HOLDING POND	HP3	VOA	Chloromethane	ug/kg	7.20E-01	ND	1.37E+00		5.26E-01		none
SD	HOLDING POND	HP5	VOA	Chloromethane	ug/kg	7.20E-01	ND	1.37E+00		5.26E-01		none
SD	HOLDING POND	HP2	VOA	Chloromethane	ug/kg	3.60E+00	ND	1.37E+00		2.63E+00		poss-ND

Table 4-18
Detailed Point-by-Point Analysis of Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

MATRIX	AREA	SAMPLENO	GROUP	ANALYTE	UNITS	RESULT	QUALIFIER	CHRONIC-SEV	ACUTE_SEV	HQ_CHRONIC	HQ_ACUTE	RISK
SD	HOLDING POND	HP4	VOA	Chloromethane	ug/kg	3.60E+00	ND	1.37E+00		2.63E+00		poss-ND
SD	HOLDING POND	HP6	VOA	Chloromethane	ug/kg	3.60E+00	ND	1.37E+00		2.63E+00		poss-ND
SD	HOLDING POND	HP1	VOA	Chloromethane	ug/kg	3.60E+00	ND	1.37E+00		2.63E+00		poss-ND
SD	HOLDING POND	HP3	VOA	cis-1,3-Dichloropropene	ug/kg	9.29E-01	ND	3.33E+02		2.79E-03		none
SD	HOLDING POND	HP5	VOA	cis-1,3-Dichloropropene	ug/kg	9.29E-01	ND	3.33E+02		2.79E-03		none
SD	HOLDING POND	HP1	VOA	cis-1,3-Dichloropropene	ug/kg	4.64E+00	ND	3.33E+02		1.39E-02		none
SD	HOLDING POND	HP2	VOA	cis-1,3-Dichloropropene	ug/kg	4.64E+00	ND	3.33E+02		1.39E-02		none
SD	HOLDING POND	HP4	VOA	cis-1,3-Dichloropropene	ug/kg	4.64E+00	ND	3.33E+02		1.39E-02		none
SD	HOLDING POND	HP6	VOA	cis-1,3-Dichloropropene	ug/kg	4.64E+00	ND	3.33E+02		1.39E-02		none
SD	HOLDING POND	HP3	VOA	Dibromochloromethane	ug/kg	7.27E-01	ND	1.37E+00		5.31E-01		none
SD	HOLDING POND	HP5	VOA	Dibromochloromethane	ug/kg	7.27E-01	ND	1.37E+00		5.31E-01		none
SD	HOLDING POND	HP2	VOA	Dibromochloromethane	ug/kg	3.63E+00	ND	1.37E+00		2.65E+00		poss-ND
SD	HOLDING POND	HP1	VOA	Dibromochloromethane	ug/kg	3.63E+00	ND	1.37E+00		2.65E+00		poss-ND
SD	HOLDING POND	HP4	VOA	Dibromochloromethane	ug/kg	3.63E+00	ND	1.37E+00		2.65E+00		poss-ND
SD	HOLDING POND	HP6	VOA	Dibromochloromethane	ug/kg	3.63E+00	ND	1.37E+00		2.65E+00		poss-ND
SD	HOLDING POND	HP3	VOA	Ethylbenzene	ug/kg	7.67E-01	ND	1.75E+02		4.38E-03		none
SD	HOLDING POND	HP5	VOA	Ethylbenzene	ug/kg	7.67E-01	ND	1.75E+02		4.38E-03		none
SD	HOLDING POND	HP1	VOA	Ethylbenzene	ug/kg	3.84E+00	ND	1.75E+02		2.19E-02		none
SD	HOLDING POND	HP2	VOA	Ethylbenzene	ug/kg	3.84E+00	ND	1.75E+02		2.19E-02		none
SD	HOLDING POND	HP4	VOA	Ethylbenzene	ug/kg	3.84E+00	ND	1.75E+02		2.19E-02		none
SD	HOLDING POND	HP6	VOA	Ethylbenzene	ug/kg	3.84E+00	ND	1.75E+02		2.19E-02		none
SD	HOLDING POND	HP3	VOA	Methylene chloride	ug/kg	1.00E+01	ND	1.59E+02		6.29E-02		none
SD	HOLDING POND	HP5	VOA	Methylene chloride	ug/kg	1.00E+01	ND	1.59E+02		6.29E-02		none
SD	HOLDING POND	HP2	VOA	Methylene chloride	ug/kg	5.00E+01	ND	1.59E+02		3.14E-01		none
SD	HOLDING POND	HP1	VOA	Methylene chloride	ug/kg	5.00E+01	ND	1.59E+02		3.14E-01		none
SD	HOLDING POND	HP4	VOA	Methylene chloride	ug/kg	5.00E+01	ND	1.59E+02		3.14E-01		none
SD	HOLDING POND	HP6	VOA	Methylene chloride	ug/kg	5.00E+01	ND	1.59E+02		3.14E-01		none
SD	HOLDING POND	HP3	VOA	o-Xylene	ug/kg	1.90E+00	DET	2.50E+01		7.60E-02		none
SD	HOLDING POND	HP5	VOA	o-Xylene	ug/kg	2.40E+00	DET	2.50E+01		9.60E-02		none
SD	HOLDING POND	HP2	VOA	o-Xylene	ug/kg	3.41E+00	ND	2.50E+01		1.36E-01		none
SD	HOLDING POND	HP4	VOA	o-Xylene	ug/kg	3.41E+00	ND	2.50E+01		1.36E-01		none
SD	HOLDING POND	HP6	VOA	o-Xylene	ug/kg	3.41E+00	ND	2.50E+01		1.36E-01		none
SD	HOLDING POND	HP1	VOA	o-Xylene	ug/kg	3.41E+00	ND	2.50E+01		1.36E-01		none
SD	HOLDING POND	HP3	VOA	Styrene	ug/kg	7.02E-01	ND	2.54E+02		2.76E-03		none
SD	HOLDING POND	HP5	VOA	Styrene	ug/kg	7.02E-01	ND	2.54E+02		2.76E-03		none
SD	HOLDING POND	HP2	VOA	Styrene	ug/kg	3.51E+00	ND	2.54E+02		1.38E-02		none
SD	HOLDING POND	HP1	VOA	Styrene	ug/kg	3.51E+00	ND	2.54E+02		1.38E-02		none
SD	HOLDING POND	HP4	VOA	Styrene	ug/kg	3.51E+00	ND	2.54E+02		1.38E-02		none
SD	HOLDING POND	HP6	VOA	Styrene	ug/kg	3.51E+00	ND	2.54E+02		1.38E-02		none
SD	HOLDING POND	HP3	VOA	Tetrachloroethene	ug/kg	1.31E+00	ND	9.90E+02		1.32E-03		none
SD	HOLDING POND	HP5	VOA	Tetrachloroethene	ug/kg	1.31E+00	ND	9.90E+02		1.32E-03		none
SD	HOLDING POND	HP1	VOA	Tetrachloroethene	ug/kg	6.53E+00	ND	9.90E+02		6.60E-03		none
SD	HOLDING POND	HP2	VOA	Tetrachloroethene	ug/kg	6.53E+00	ND	9.90E+02		6.60E-03		none
SD	HOLDING POND	HP4	VOA	Tetrachloroethene	ug/kg	6.53E+00	ND	9.90E+02		6.60E-03		none
SD	HOLDING POND	HP6	VOA	Tetrachloroethene	ug/kg	6.53E+00	ND	9.90E+02		6.60E-03		none
SD	HOLDING POND	HP3	VOA	Toluene	ug/kg	9.43E-01	ND	2.80E+01		3.37E-02		none
SD	HOLDING POND	HP5	VOA	Toluene	ug/kg	9.43E-01	ND	2.80E+01		3.37E-02		none
SD	HOLDING POND	HP1	VOA	Toluene	ug/kg	4.72E+00	ND	2.80E+01		1.68E-01		none
SD	HOLDING POND	HP2	VOA	Toluene	ug/kg	4.72E+00	ND	2.80E+01		1.68E-01		none
SD	HOLDING POND	HP4	VOA	Toluene	ug/kg	4.72E+00	ND	2.80E+01		1.68E-01		none
SD	HOLDING POND	HP6	VOA	Toluene	ug/kg	4.72E+00	ND	2.80E+01		1.68E-01		none
SD	HOLDING POND	HP3	VOA	Trichloroethene	ug/kg	9.55E-01	ND	5.18E+02		1.84E-03		none
SD	HOLDING POND	HP5	VOA	Trichloroethene	ug/kg	9.55E-01	ND	5.18E+02		1.84E-03		none
SD	HOLDING POND	HP2	VOA	Trichloroethene	ug/kg	4.78E+00	ND	5.18E+02		9.22E-03		none
SD	HOLDING POND	HP1	VOA	Trichloroethene	ug/kg	4.78E+00	ND	5.18E+02		9.22E-03		none
SD	HOLDING POND	HP4	VOA	Trichloroethene	ug/kg	4.78E+00	ND	5.18E+02		9.22E-03		none
SD	HOLDING POND	HP6	VOA	Trichloroethene	ug/kg	4.78E+00	ND	5.18E+02		9.22E-03		none
SD	HOLDING POND	HP5	VOA	Vinyl acetate	ug/kg	1.40E+00	DET	1.30E+01		1.08E-01		none
SD	HOLDING POND	HP3	VOA	Vinyl acetate	ug/kg	2.50E+00	ND	1.30E+01		1.92E-01		none
SD	HOLDING POND	HP2	VOA	Vinyl acetate	ug/kg	1.25E+01	ND	1.30E+01		9.62E-01		none
SD	HOLDING POND	HP1	VOA	Vinyl acetate	ug/kg	1.25E+01	ND	1.30E+01		9.62E-01		none
SD	HOLDING POND	HP4	VOA	Vinyl acetate	ug/kg	1.25E+01	ND	1.30E+01		9.62E-01		none
SD	HOLDING POND	HP6	VOA	Vinyl acetate	ug/kg	1.25E+01	ND	1.30E+01		9.62E-01		none
SD	HOLDING POND	HP3	VOA	Vinyl chloride	ug/kg	6.70E-01	ND	2.02E+02		3.32E-03		none
SD	HOLDING POND	HP5	VOA	Vinyl chloride	ug/kg	6.70E-01	ND	2.02E+02		3.32E-03		none
SD	HOLDING POND	HP1	VOA	Vinyl chloride	ug/kg	3.35E+00	ND	2.02E+02		1.66E-02		none
SD	HOLDING POND	HP2	VOA	Vinyl chloride	ug/kg	3.35E+00	ND	2.02E+02		1.66E-02		none
SD	HOLDING POND	HP4	VOA	Vinyl chloride	ug/kg	3.35E+00	ND	2.02E+02		1.66E-02		none
SD	HOLDING POND	HP6	VOA	Vinyl chloride	ug/kg	3.35E+00	ND	2.02E+02		1.66E-02		none
SD	HOLDING POND	HP5	VOA	Xylenes (total)	ug/kg	3.50E+00	DET	2.50E+01		1.40E-01		none
SD	HOLDING POND	HP3	VOA	Xylenes (total)	ug/kg	6.00E+00	DET	2.50E+01		2.40E-01		none
SD	HOLDING POND	HP1	VOA	Xylenes (total)	ug/kg	7.11E+00	ND	2.50E+01		2.84E-01		none
SD	HOLDING POND	HP2	VOA	Xylenes (total)	ug/kg	7.11E+00	ND	2.50E+01		2.84E-01		none
SD	HOLDING POND	HP4	VOA	Xylenes (total)	ug/kg	7.11E+00	ND	2.50E+01		2.84E-01		none
SD	HOLDING POND	HP6	VOA	Xylenes (total)	ug/kg	7.11E+00	ND	2.50E+01		2.84E-01		none

Notes:
Poss = Exposure concentration exceeds low-SEV but not high-SEV
Prob = Exposure concentration exceeds high-SEV
DET = Detected
ND = Not Detected
None = Exposure concentration does not exceed low-SEV

Table 4-19
Refined Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analye	Potential for Risk to Receptors from Sediment									
			Non-Detects		Detected			Max-HQ			
		None	Possible	Probable	Possible	Probable	Total	Possible	Probable	% Low-SEV Exceedances by Detects	% High-SEV Exceedances by Detects
AES											
	METALS										
	Antimony	8					8			0	0
	Cadmium	9			11		20	2.1		55	0
	Chromium	20					20			0	0
	Copper				20		20	3.4		100	0
	Lead	20					20			0	0
	Manganese					20	20		1369	100	100
	Mercury	20					20			0	0
	Nickel	20					20			0	0
	Zinc	20					20			0	0
	SVOC										
	1,2-Dichlorobenzene		20				20	1.3	NSV	0	0
	1,3-Dichlorobenzene	20					20			0	0
	1,4-Dichlorobenzene		20				20	1.3	NSV	0	0
	2,4,5-Trichlorophenol		20				20	2.1	NSV	0	0
	2,4,6-Trichlorophenol		20				20	2.1	NSV	0	0
	2,4-Dichlorophenol		20				20	5.4	NSV	0	0
	2,4-Dimethylphenol		20				20	1.4	NSV	0	0
	2,4-Dinitrophenol		20				20	354	NSV	0	0
	2,4-Dinitrotoluene		20				20	31	NSV	0	0
	2,6-Dinitrotoluene		20				20	11.1	NSV	0	0
	2-Chloronaphthalene	5	15				20	1.1	NSV	0	0
	2-Chlorophenol		20				20	14	NSV	0	0
	2-Methylnaphthalene		20				20	1.3	NSV	0	0
	2-Methylphenol		20				20	7.9	NSV	0	0
	3,3'-Dichlorobenzidine		20				20	17	NSV	0	0
	4,6-Dinitro-2-methylphenol		20				20	21	NSV	0	0
	4-Bromophenyl phenylether	20					20			0	0
	4-Chloro-3-methylphenol		20				20	1.1	NSV	0	0
	4-Chloroaniline		20				20	3.0	NSV	0	0
	4-Chlorophenyl-phenylether	20					20			0	0

Table 4-19
Refined Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analye	Potential for Risk to Receptors from Sediment: None	Non-Detects: Possible	Non-Detects: Probable	Detected: Possible	Detected: Probable	Total	Max-HQ: Possible	Max-HQ: Probable	% Low-SEV Exceedances by Detects	% High-SEV Exceedances by Detects
	4-Methylphenol		20				20	22	NSV	0	0
	Benzyl alcohol		20				20	423	NSV	0	0
	Bis(2-ethylhexyl)phthalate		20				20	2.4	NSV	0	0
	Dibenzofuran	20					20			0	0
	Diethylphthalate		20				20	1.4	NSV	0	0
	Dimethylphthalate	20					20			0	0
	Hexachlorobenzene		20				20	22	NSV	0	0
	Hexachlorobutadiene		20				20	17	NSV	0	0
	Hexachlorocyclopentadiene		20				20	2.4	NSV	0	0
	Hexachloroethane	20					20			0	0
	Isophorone	15	5				20	1.0	NSV	0	0
	Nitrobenzene		20				20	3.0	NSV	0	0
	Pentachlorophenol	20					20			0	0
	Phenol		20				20	9.0	NSV	0	0
	Pyridine		20				20	8.4	NSV	0	0
	SVOC-PAH										
	Acenaphthene		20				20	1.3	NSV	0	0
	Acenaphthylene		20				20	1.3	NSV	0	0
	Anthracene		20				20	7.7	NSV	0	0
	Benzo(a)anthracene		20				20	4.1	NSV	0	0
	Benzo(a)pyrene		20				20	2.9	NSV	0	0
	Benzo(g,h,i)perylene		20				20	1.5	NSV	0	0
	Benzo(k)fluoranthene		20				20	1.8	NSV	0	0
	Chrysene		20				20	2.7	NSV	0	0
	Dibenz(a,h)anthracene		20				20	13	NSV	0	0
	Fluoranthene	10	10				20	1.0	NSV	0	0
	Fluorene		20				20	5.7	NSV	0	0
	Indeno(1,2,3-CD)pyrene		20				20	5.6	NSV	0	0
	Naphthalene		20				20	2.5	NSV	0	0
	Phenanthrene		20				20	2.2	NSV	0	0
	Pyrene		20				20	2.3	NSV	0	0
	Total PAHs		20				20	3.6	NSV	0	0

Table 4-19
Refined Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analye	Potential for Risk to Receptors from Sediment: None	Non-Detects: Possible	Non-Detects: Probable	Detected: Possible	Detected: Probable	Total	Max-HQ: Possible	Max-HQ: Probable	% Low-SEV Exceedances by Detects	% High-SEV Exceedances by Detects
VOA											
	1,1,1-Trichloroethane	20					20			0	0
	1,1,2,2-Tetrachloroethane	20					20			0	0
	1,1,2-Trichloroethane	20					20			0	0
	1,1-Dichloroethane		19		1		20	11.7	NSV	5	0
	1,1-Dichloroethene	20					20			0	0
	1,2-Dichloroethane	20					20			0	0
	1,2-Dichloropropane	20					20			0	0
	2-Butanone	20					20			0	0
	2-Hexanone	20					20			0	0
	4-Methyl-2-pentanone	7	13				20	1.1	NSV	0	0
	Acetone	4	5		11		20	11.1	NSV	55	0
	Benzene	20					20			0	0
	Bromodichloromethane		20				20	4.9	NSV	0	0
	Bromoform	20					20			0	0
	Bromomethane		20				20	9.5	NSV	0	0
	Carbon disulfide	20					20			0	0
	Carbon tetrachloride	20					20			0	0
	Chlorobenzene	20					20			0	0
	Chloroethane		20				20	9.5	NSV	0	0
	Chloroform	20					20			0	0
	Chloromethane		20				20	9.5	NSV	0	0
	cis-1,3-Dichloropropene	20					20			0	0
	Dibromochloromethane		20				20	4.9	NSV	0	0
	Ethylbenzene	20					20			0	0
	Methylene chloride	20					20			0	0
	Styrene	20					20			0	0
	Tetrachloroethene	20					20			0	0
	Toluene	20					20			0	0
	Trans-1,2-Dichloroethene	20					20			0	0
	Trans-1,3-Dichloropropene	20					20			0	0
	Trichloroethene	20					20			0	0

Table 4-19
Refined Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analye	Potential for Risk to Receptors from Sediment: None	Non-Detects: Possible	Non-Detects: Probable	Detected: Possible	Detected: Probable	Total	Max-HQ: Possible	Max-HQ: Probable	% Low-SEV Exceedances by Detects	% High-SEV Exceedances by Detects
	Vinyl acetate	3	17				20	1.0	NSV	0	0
	Vinyl chloride	20					20			0	0
	Xylenes (total)	20					20			0	0
HOLDING POND											
	GENX										
	Cyanide		6				6	2500	NSV	0	0
	METALS										
	Antimony	6					6			0	0
	Cadmium	2			4		6	1.7		67	0
	Chromium				3	3	6	20	7.8	100	50
	Copper				6		6	1.6		100	0
	Lead	6					6			0	0
	Manganese					6	6		458	100	100
	Mercury	4			2		6	1.9		33	0
	Nickel				1	5	6	9.6	4.5	100	83
	Silver	6					6			0	0
	Zinc				2	4	6	8.3	2.2	100	67
	PCB										
	Aroclor-1016	5	1				6	1.1		0	0
	Aroclor-1221	5	1				6	1.4		0	0
	Aroclor-1232	5	1				6	1.4		0	0
	Aroclor-1242	5	1				6	1.4		0	0
	Aroclor-1248	5	1				6	1.4		0	0
	Aroclor-1254	5	1				6	1.4		0	0
	Aroclor-1260	5	1				6	1.7		0	0
	SVOC										
	1,2-Dichlorobenzene	6					6			0	0
	1,3-Dichlorobenzene	6					6			0	0
	1,4-Dichlorobenzene	6					6			0	0
	2,4,5-Trichlorophenol	6					6			0	0
	2,4,6-Trichlorophenol	6					6			0	0
	2,4-Dichlorophenol	6					6			0	0

Table 4-19
Refined Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

		Potential for Risk to Receptors from Sediment									
			Non-Detects		Detected			Max-HQ			
Area	Analye	None	Possible	Probable	Possible	Probable	Total	Possible	Probable	% Low-SEV Exceedances by Detects	% High-SEV Exceedances by Detects
	2,4-Dimethylphenol	6					6			0	0
	2,4-Dinitrophenol		6				6	10	NSV	0	0
	2,4-Dinitrotoluene		6				6	6.4	NSV	0	0
	2,6-Dinitrotoluene		6				6	2.2	NSV	0	0
	2-Chloronaphthalene	6					6			0	0
	2-Chlorophenol		6				6	2.4	NSV	0	0
	2-Methylnaphthalene	6					6			0	0
	2-Methylphenol		6				6	1.3	NSV	0	0
	3,3'-Dichlorobenzidine	6					6			0	0
	4,6-Dinitro-2-methylphenol	6					6			0	0
	4-Bromophenyl phenylether	6					6			0	0
	4-Chloro-3-methylphenol	6					6			0	0
	4-Chloroaniline	6					6			0	0
	4-Chlorophenyl-phenylether	6					6			0	0
	4-Methylphenol		6				6	3.4	NSV	0	0
	Benzyl alcohol		6				6	74	NSV	0	0
	Bis(2-ethylhexyl)phthalate		5		1		6	1.8	NSV	17	0
	Dibenzofuran	6					6			0	0
	Diethylphthalate	6					6			0	0
	Dimethylphthalate	6					6			0	0
	Hexachlorobenzene		6				6	3.6	NSV	0	0
	Hexachlorobutadiene		6				6	3.1	NSV	0	0
	Hexachlorocyclopentadiene	6					6			0	0
	Hexachloroethane	6					6			0	0
	Isophorone	6					6			0	0
	Nitrobenzene	6					6			0	0
	Pentachlorophenol	6					6			0	0
	Phenol		6				6	1.5	NSV	0	0
	Pyridine	6					6			0	0
	SVOC-PAH										
	Acenaphthene	6					6			0	0
	Acenaphthylene	6					6			0	0

Table 4-19
Refined Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analye	Potential for Risk to Receptors from Sediment: None	Non-Detects: Possible	Non-Detects: Probable	Detected: Possible	Detected: Probable	Total	Max-HQ: Possible	Max-HQ: Probable	% Low-SEV Exceedances by Detects	% High-SEV Exceedances by Detects
	Anthracene		6				6	1.2		0	0
	Benzo(a)anthracene	6					6			0	0
	Benzo(a)pyrene	3			3		6	2.1		50	0
	Benzo(g,h,i)perylene	4			2		6	1.6		33	0
	Benzo(k)fluoranthene	6					6			0	0
	Chrysene	2			4		6	2.2		67	0
	Dibenz(a,h)anthracene		6				6	2.3	NSV	0	0
	Fluoranthene	6					6			0	0
	Fluorene		3		1	2	6	10	1.5	50	33
	Indeno(1,2,3-CD)pyrene	4			2		6	1.3		33	0
	Naphthalene	6					6	0.4		0	0
	Phenanthrene	4			2		6	3.3		33	0
	Pyrene	6					6	0.7		0	0
	Total PAHs	4			2		6			33	0
VOA											
	1,1,1-Trichloroethane	6					6			0	0
	1,1,2,2-Tetrachloroethane	6					6			0	0
	1,1,2-Trichloroethane	6					6			0	0
	1,1-Dichloroethane		6				6	6.2	NSV	0	0
	1,1-Dichloroethene	6					6			0	0
	1,2-Dichloroethane	6					6			0	0
	1,2-Dichloropropane	6					6			0	0
	2-Butanone	6					6			0	0
	2-Hexanone	6					6			0	0
	4-Methyl-2-pentanone	6					6			0	0
	Acetone		1		5		6	90	NSV	83	0
	Benzene	6					6			0	0
	Bromodichloromethane	2	4				6	3.2	NSV	0	0
	Bromoform	6					6			0	0
	Bromomethane	2	4				6	2.6	NSV	0	0
	Carbon disulfide	3			3		6	3.4	NSV	50	0
	Carbon tetrachloride	6					6			0	0

Table 4-19
Refined Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analye	Potential for Risk to Receptors from Sediment									
			Non-Detects		Detected			Max-HQ			
		None	Possible	Probable	Possible	Probable	Total	Possible	Probable	% Low-SEV Exceedances by Detects	% High-SEV Exceedances by Detects
	Chlorobenzene	6					6			0	0
	Chloroethane	2	4				6	3.3	NSV	0	0
	Chloroform	6					6			0	0
	Chloromethane	2	4				6	2.6	NSV	0	0
	Dibromochloromethane	2	4				6	2.7	NSV	0	0
	Ethylbenzene	6					6			0	0
	Methylene chloride	6					6			0	0
	Styrene	6					6			0	0
	Tetrachloroethene	6					6			0	0
	Toluene	6					6			0	0
	Trans-1,2-Dichloroethene	6					6			0	0
	Trichloroethene	6					6			0	0
	Vinyl acetate	6					6			0	0
	Vinyl chloride	6					6			0	0
	Xylenes (total)	6					6			0	0
CHANNEL											
	GENX										
	Cyanide		13				13	2500	NSV	0	0
	METALS										
	Antimony	39	3				42	8.3	NSV	0	0
	Cadmium	41	8	2	6		57	5.1	1.0	11	0
	Chromium	35			10	12	57	43	17	39	21
	Copper	13			33		46	4.4		72	0
	Lead	52			5		57	2.7		9	0
	Manganese					43	43		1896	100	100
	Mercury	46	1		10		57	4.2		18	0
	Nickel	26	2		8	10	46	8.8	4.1	39	22
	Silver	16	14				30	8.8	NSV	0	0
	Zinc	37			9		46	3.5		20	0
	PCB										
	Aroclor-1016	19					19			0	0
	Aroclor-1221	18					18			0	0

Table 4-19
Refined Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

Area	Analye	Potential for Risk to Receptors from Sediment: None	Non-Detects: Possible	Non-Detects: Probable	Detected: Possible	Detected: Probable	Total	Max-HQ: Possible	Max-HQ: Probable	% Low-SEV Exceedances by Detects	% High-SEV Exceedances by Detects
	Aroclor-1232	18					18			0	0
	Aroclor-1242	20					20			0	0
	Aroclor-1248	18			2		20	3.3		10	0
	Aroclor-1254	20					20			0	0
	Aroclor-1260	19					19			0	0
	SVOC										
	1,2-Dichlorobenzene	47	9				56	5.0	NSV	0	0
	1,3-Dichlorobenzene	55	1				56	1.0	NSV	0	0
	1,4-Dichlorobenzene	47	8				55	4.9	NSV	0	0
	2,4,5-Trichlorophenol	19	28				47	20	NSV	0	0
	2,4,6-Trichlorophenol	19	27		1		47	4.3	NSV	2	0
	2,4-Dichlorophenol	19	28				47	11	NSV	0	0
	2,4-Dimethylphenol	21	26				47	3.0	NSV	0	0
	2,4-Dinitrophenol		47				47	728	NSV	0	0
	2,4-Dinitrotoluene		53				53	208	NSV	0	0
	2,6-Dinitrotoluene		54				54	75	NSV	0	0
	2-Chloronaphthalene	45	9				54	4.1	NSV	0	0
	2-Chlorophenol		46				46	28	NSV	0	0
	2-Methylnaphthalene	24	26				50	6.4	NSV	0	0
	2-Methylphenol	3	44				47	16	NSV	0	0
	3,3'-Dichlorobenzidine	19	35				54	87	NSV	0	0
	4,6-Dinitro-2-methylphenol	19	28				47	43	NSV	0	0
	4-Bromophenyl phenylether	53	1				54	2.3	NSV	0	0
	4-Chloro-3-methylphenol	39	7				46	2.3	NSV	0	0
	4-Chloroaniline	19	31				50	44	NSV	0	0
	4-Chlorophenyl-phenylether	53	1				54	1.6	NSV	0	0
	4-Methylphenol		47				47	45	NSV	0	0
	Benzyl alcohol		46				46	2885	NSV	0	0
	Bis(2-ethylhexyl)phthalate	7	47				54	12	NSV	0	0
	Dibenzofuran	49	1				50	1.3	NSV	0	0
	Diethylphthalate	47	7				54	2.7	NSV	0	0
	Dimethylphthalate	47	7				54	2.7	NSV	0	0

Table 4-19
Refined Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

		Potential for Risk to Receptors from Sediment									
			Non-Detects		Detected			Max-HQ			
Area	Analye	None	Possible	Probable	Possible	Probable	Total	Possible	Probable	% Low-SEV Exceedances by Detects	% High-SEV Exceedances by Detects
	Hexachlorobenzene		54				54	105	NSV	0	0
	Hexachlorobutadiene	2	54				56	113	NSV	0	0
	Hexachlorocyclopentadiene	46	8				54	23	NSV	0	0
	Hexachloroethane	53	1				54	2.1	NSV	0	0
	Isophorone	45	9				54	3.9	NSV	0	0
	Nitrobenzene	24	30				54	12	NSV	0	0
	Pentachlorophenol	39	7				46	2.0	NSV	0	0
	Phenol		46				46	18	NSV	0	0
	Pyridine	19	21				40	8.5	NSV	0	0
	SVOC-PAH										
	Acenaphthene	28	25				53	5.2	NSV	0	0
	Acenaphthylene	28	26				54	5.2	NSV	0	0
	Anthracene	3	48	3			54	30	2.0	0	0
	Benzo(a)anthracene	21	32	1			54	19	2	0	0
	Benzo(a)pyrene	20	29	1	4		54	20	2.1	7	0
	Benzo(g,h,i)perylene	23	26		4	1	54	34	1.6	9	2
	Benzo(k)fluoranthene	26	28				54	8.8	NSV	0	0
	Chrysene	24	26	1	3		54	13	1.6	6	0
	Dibenz(a,h)anthracene		52		2		54	103	NSV	4	0
	Fluoranthene	45	9				54	4.0		0	0
	Fluorene	3	44	7			54	22	3.2	0	0
	Indeno(1,2,3-CD)pyrene	18	31	2	2	1	54	44	4.1	6	2
	Naphthalene	27	22	7			56	9.7	3.0	0	0
	Phenanthrene	29	24	1			54	8.3	1.5	0	0
	Pyrene	29	23	1			53	8.7	1.1	0	0
	Total PAHs	20	28	1	5		54	16	1.2	9	0
	VOA										
	1,1,1-Trichloroethane	53	2				55	35	NSV	0	0
	1,1,2,2-Tetrachloroethane	53	2				55	6.4	NSV	0	0
	1,1,2-Trichloroethane	53	2				55	12	NSV	0	0
	1,1-Dichloroethane	12	43				55	10435	NSV	0	0
	1,1-Dichloroethene	47	7				54	309	NSV	0	0

Table 4-19
Refined Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

		Potential for Risk to Receptors from Sediment									
			Non-Detects		Detected			Max-HQ			
Area	Analye	None	Possible	Probable	Possible	Probable	Total	Possible	Probable	% Low-SEV Exceedances by Detects	% High-SEV Exceedances by Detects
	1,2-Dibromoethane		2				2	3.1	NSV	0	0
	1,2-Dichloroethane	53	2				55	23	NSV	0	0
	1,2-Dichloropropane	53	2				55	18	NSV	0	0
	2-Butanone	30	24		1		55	1462	NSV	2	0
	2-Hexanone	49	6				55	1065	NSV	0	0
	4-Methyl-2-pentanone	29	26				55	2470	NSV	0	0
	Acetone	4	21		30		55	12626	NSV	55	0
	Acrolein		2				2	58553	NSV	0	0
	Acrylonitrile		2				2	7.4	NSV	0	0
	Benzene	50	2		2		54	105	NSV	4	0
	Bromochloromethane		2				2	1.3	NSV	0	0
	Bromodichloromethane	19	35		1		55	4380	NSV	2	0
	Bromoethane		2				2	2.6	NSV	0	0
	Bromoform	53	2				55	12	NSV	0	0
	Bromomethane	19	36				55	8759	NSV	0	0
	Carbon disulfide	49	3		3		55	251	NSV	5	0
	Carbon tetrachloride	53	2				55	4.1	NSV	0	0
	Chlorobenzene	52	2				54	7.3	NSV	0	0
	Chloroethane	19	36				55	8759	NSV	0	0
	Chloroform	53	2				55	50	NSV	0	0
	Chloromethane	19	36				55	8759	NSV	0	0
	cis-1,3-Dichloropropene	53	2				55	18	NSV	0	0
	Dibromochloromethane	19	36				55	4380	NSV	0	0
	Ethylbenzene	53	2				55	34	NSV	0	0
	Iodomethane		2				2	1.3	NSV	0	0
	Methylene chloride	53	2				55	38	NSV	0	0
	Styrene	53	2				55	24	NSV	0	0
	Tetrachloroethene	53	2				55	6.1	NSV	0	0
	Toluene	50	3		1		54	214	NSV	2	0
	Trans-1,2-Dichloroethene	51					51			0	0
	Trans-1,3-Dichloropropene	55					55			0	0
	Trichloroethene	52	2				54	12	NSV	0	0

Table 4-19
Refined Summary for Freshwater Benthic Life Exposed to Site Sediments
Site-Wide Screening Level ERA for the CPCPRC Site

		Potential for Risk to Receptors from Sediment									
			Non-Detects		Detected			Max-HQ			
Area	Analye	None	Possible	Probable	Possible	Probable	Total	Possible	Probable	**% Low-SEV Exceedances by Detects**	**% High-SEV Exceedances by Detects**
	Vinyl acetate	23	32				55	4769	NSV	0	0
	Vinyl chloride	53	2				55	59	NSV	0	0
	Xylenes (total)	52	3				55	240	NSV	0	0

Notes:

Possible = Exposure exceeds low-toxicity value but not high-toxicity value

Probable = Exposure exceeds high-toxicity value

Uncertain = retained as an uncertainty

Total = number of samples analyzed for the parameter.

SEV exceedances for Total-PAHs were considered to occur in detected samples when at least one analyte comprising the concentration was detected.

Table 4-20
Refined Estimation for Avian Wildlife Exposed to Site Surface Waters at AES
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Area Use Factor	Percent of Diet as Soil	Sediment EPC (mg/kg)	Surfacewater EPC (mg/L)	Food Intake from Fish (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Sediment Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	LOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient	LOAEL Hazard Quotient	Samples Where Detected - Surface Water	Samples Where Detected - Sediment
Great Blue Heron																
Metals[1]																
CADMIUM	7.77E-01	0.00	--	5.00E-03	2.12E+00	--	2.12E+00	0.00E+00	2.25E-04	2.12E+00	1.60E-01	6.10E-01	***1.32E+01***	***3.47E+00***	0	--
MERCURY	7.77E-01	0.00	--	2.00E-04	3.42E-02	--	3.42E-02	0.00E+00	9.00E-06	3.42E-02	6.80E-02	3.70E-01	5.03E-01	9.24E-02	0	--
SELENIUM	7.77E-01	0.00	--	5.00E-03	4.44E-01	--	4.44E-01	0.00E+00	2.25E-04	4.45E-01	4.00E-01	8.00E-01	***1.11E+00***	5.56E-01	0	--
THALLIUM	7.77E-01	0.00	--	NA	--	--	--	--	--	--	5.30E-02	5.30E-01	--	--	NA	--
Organics																--
AROCLOR-1016	7.77E-01	0.00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	--
AROCLOR-1221	7.77E-01	0.00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	--
AROCLOR-1232	7.77E-01	0.00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	--
AROCLOR-1242	7.77E-01	0.00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	--
AROCLOR-1248	7.77E-01	0.00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	--
AROCLOR-1254	7.77E-01	0.00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	--
AROCLOR-1260	7.77E-01	0.00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	--
PCBs HI													0.00E+00			--
7,12-DIMETHYLBENZ(A)ANTHRACENE	7.77E-01	0.00	--	NA	--	--	--	--	--	--	4.56E+00	2.28E+01	--	--	NA	--
ACENAPHTHENE	7.77E-01	0.00	--	1.00E-02	1.32E-01	--	1.32E-01	0.00E+00	4.50E-04	1.33E-01	4.56E+00	2.28E+01	2.91E-02	5.82E-03	0	--
ACENAPHTHYLENE	7.77E-01	0.00	--	1.00E-02	1.47E-01	--	1.47E-01	0.00E+00	4.50E-04	1.48E-01	5.38E+01	5.38E+02	2.74E-03	2.74E-04	0	--
ANTHRACENE	7.77E-01	0.00	--	1.00E-02	3.85E-01	--	3.85E-01	0.00E+00	4.50E-04	3.85E-01	5.38E+01	5.38E+02	7.16E-03	7.16E-04	0	--
BENZO(A)ANTHRACENE	7.77E-01	0.00	--	1.00E-02	9.88E+00	--	9.88E+00	0.00E+00	4.50E-04	9.88E+00	4.56E+00	2.28E+01	***2.17E+00***	4.33E-01	0	--
BENZO(A)PYRENE	7.77E-01	0.00	--	1.00E-02	2.08E-01	--	2.08E-01	0.00E+00	4.50E-04	2.08E-01	4.56E+00	2.28E+01	4.57E-02	9.13E-03	0	--
BENZO(B)FLUORANTHENE	7.77E-01	0.00	--	1.00E-02	1.03E-02	--	1.03E-02	0.00E+00	4.50E-04	1.07E-02	4.56E+00	2.28E+01	2.35E-03	4.69E-04	0	--
BENZO(G,H,I)PERYLENE	7.77E-01	0.00	--	1.00E-02	3.13E+02	--	3.13E+02	0.00E+00	4.50E-04	3.13E+02	4.56E+00	2.28E+01	***6.86E+01***	***1.37E+01***	0	--
BENZO(K)FLUORANTHENE	7.77E-01	0.00	--	1.00E-02	1.07E+02	--	1.07E+02	0.00E+00	4.50E-04	1.07E+02	4.56E+00	2.28E+01	***2.35E+01***	***4.69E+00***	0	--
CHRYSENE	7.77E-01	0.00	--	1.00E-02	1.03E-02	--	1.03E-02	0.00E+00	4.50E-04	1.07E-02	4.56E+00	2.28E+01	2.35E-03	4.69E-04	0	--
DIBENZ(A,H)ANTHRACENE	7.77E-01	0.00	--	1.00E-02	1.03E-02	--	1.03E-02	0.00E+00	4.50E-04	1.07E-02	4.56E+00	2.28E+01	2.35E-03	4.69E-04	0	--
FLUORANTHENE	7.77E-01	0.00	--	1.00E-02	3.93E-01	--	3.93E-01	0.00E+00	4.50E-04	3.94E-01	4.56E+00	2.28E+01	8.63E-02	1.73E-02	0	--
FLUORENE	7.77E-01	0.00	--	1.00E-02	6.15E-01	--	6.15E-01	0.00E+00	4.50E-04	6.16E-01	4.56E+00	2.28E+01	1.35E-01	2.70E-02	0	--
INDENO(1,2,3-CD)PYRENE	7.77E-01	0.00	--	1.00E-02	1.03E-02	--	1.03E-02	0.00E+00	4.50E-04	1.07E-02	4.56E+00	2.28E+01	2.35E-03	4.69E-04	0	--
NAPHTHALENE	7.77E-01	0.00	--	1.00E-02	1.06E-01	--	1.06E-01	0.00E+00	4.50E-04	1.06E-01	5.38E+01	5.38E+02	1.98E-03	1.98E-04	0	--
PHENANTHRENE	7.77E-01	0.00	--	1.00E-02	1.03E+00	--	1.03E+00	0.00E+00	4.50E-04	1.03E+00	4.56E+00	2.28E+01	2.25E-01	4.50E-02	0	--
PYRENE	7.77E-01	0.00	--	1.00E-02	3.86E-01	--	3.86E-01	0.00E+00	4.50E-04	3.87E-01	4.56E+00	2.28E+01	8.48E-02	1.70E-02	0	--
PAH HI													***9.49E+01***	***1.90E+01***		--
1,2,3-TRICHLOROBENZENE	1.00E+00	0.00	--	NA	--	--	--	--	--	--	1.72E+01	3.44E+01	--	--	NA	--
BUTYLBENZYL PHTHALATE	7.77E-01	0.00	--	1.00E-02	2.67E+00	--	2.67E+00	0.00E+00	4.50E-04	2.67E+00	2.20E-01	1.10E+00	***1.21E+01***	***2.43E+00***	0	--
DI-N-BUTYLPHTHALATE	7.77E-01	0.00	--	1.00E-02	1.25E+00	--	1.25E+00	0.00E+00	4.50E-04	1.25E+00	2.20E-01	1.10E+00	***5.69E+00***	***1.14E+00***	0	--
DI-N-OCTYL PHTHALATE	7.77E-01	0.00	--	1.00E-02	9.53E+03	--	9.53E+03	0.00E+00	4.50E-04	9.53E+03	2.20E-01	1.10E+00	***4.33E+04***	***8.66E+03***	0	--
HEXACHLOROBENZENE	7.77E-01	0.00	--	1.00E-02	9.13E+00	--	9.13E+00	0.00E+00	4.50E-04	9.13E+00	5.60E-01	2.25E+00	***1.63E+01***	***4.06E+00***	0	--
PENTACHLOROPHENOL	7.77E-01	0.00	--	5.00E-02	6.23E+00	--	6.23E+00	0.00E+00	2.25E-03	6.23E+00	5.78E+00	5.84E+01	***1.08E+00***	1.07E-01	0	--
Black Necked Stilt																
Metals																
CADMIUM	1.00	17.00	1.17E+00	5.00E-03	0.00E+00	1.35E-01	1.35E-01	2.13E-02	5.35E-04	1.57E-01	1.60E-01	6.10E-01	9.80E-01	2.57E-01	0	12
CHROMIUM	1.00	17.00	1.39E+01	9.60E-04	0.00E+00	3.02E-01	3.02E-01	2.53E-01	1.03E-04	5.55E-01	1.00E+00	5.00E+00	5.55E-01	1.11E-01	1	20
CHROMIUM (VI)	1.00	17.00	1.30E-01	0.00E+00	0.00E+00	5.48E-02	5.48E-02	2.36E-03	0.00E+00	5.72E-02	1.00E+00	5.00E+00	5.72E-02	1.14E-02	NA	0
IRON	1.00	17.00	4.24E+04	1.90E-01	0.00E+00	1.63E+02	1.63E+02	7.71E+02	2.03E-02	9.35E+02	7.32E+00	7.03E+01	***1.28E+02***	***1.33E+01***	1	20
LEAD	1.00	17.00	6.17E+00	3.00E-03	0.00E+00	2.47E-01	2.47E-01	1.12E-01	3.21E-04	3.59E-01	1.13E+00	1.13E+01	3.18E-01	3.18E-02	0	20
MANGANESE	1.00	17.00	1.10E+03	6.70E-01	0.00E+00	7.31E+00	7.31E+00	2.00E+01	7.17E-02	2.74E+01	9.80E+01	9.77E+02	2.80E-01	2.80E-02	1	20
MERCURY	1.00	17.00	1.57E-02	2.00E-04	0.00E+00	2.21E-02	2.21E-02	2.86E-04	2.14E-05	2.24E-02	6.80E-02	3.70E-01	3.29E-01	6.05E-02	0	20
NICKEL	1.00	17.00	9.00E+00	4.30E-02	0.00E+00	3.63E-01	3.63E-01	1.64E-01	4.60E-03	5.31E-01	1.76E+01	7.74E+01	3.02E-02	6.86E-03	1	20
SELENIUM	1.00	17.00	6.70E-01	5.00E-03	0.00E+00	7.55E-02	7.55E-02	1.22E-02	5.35E-04	8.82E-02	4.00E-01	8.00E-01	2.21E-01	1.10E-01	0	0
TIN	1.00	17.00	NA	NA	--	--	--	--	--	--	6.80E+00	1.69E+01	--	--	NA	NA
ZINC	1.00	17.00	8.22E+01	2.00E-02	0.00E+00	4.77E-01	4.77E-01	1.50E+00	2.14E-03	1.97E+00	1.45E+01	1.31E+02	1.36E-01	1.51E-02	0	20
Organics																
AROCLOR-1016	1.00	17.00	NA	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	NA
AROCLOR-1221	1.00	17.00	NA	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	NA
AROCLOR-1232	1.00	17.00	NA	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	NA
AROCLOR-1242	1.00	17.00	NA	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	NA
AROCLOR-1248	1.00	17.00	NA	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	NA
AROCLOR-1254	1.00	17.00	NA	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	NA
AROCLOR-1260	1.00	17.00	NA	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA	NA
PCBs HI													***NA***	***NA***		
7,12-DIMETHYLBENZ(A)ANTHRACENE	1.00	17.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.56E+00	2.28E+01	0.00E+00	0.00E+00	NA	NA
ACENAPHTHENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	9.60E-02	9.60E-02	8.00E-03	1.07E-03	1.05E-01	4.56E+00	2.28E+01	2.31E-02	4.61E-03	0	0
ACENAPHTHYLENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	3.61E+00	3.61E+00	8.00E-03	1.07E-03	3.61E+00	5.38E+01	5.38E+02	6.72E-02	6.72E-03	0	0
ANTHRACENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	1.48E+01	1.48E+01	8.00E-03	1.07E-03	1.49E+01	5.38E+01	5.38E+02	2.76E-01	2.76E-02	0	0
BENZO(A)ANTHRACENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	1.69E-02	1.69E-02	8.00E-03	1.07E-03	2.59E-02	4.56E+00	2.28E+01	5.69E-03	1.14E-03	0	0
BENZO(A)PYRENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	5.98E-03	5.98E-03	8.00E-03	1.07E-03	1.51E-02	4.56E+00	2.28E+01	3.30E-03	6.60E-04	0	0
BENZO(B)FLUORANTHENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	7.06E-03	7.06E-03	8.00E-03	1.07E-03	1.61E-02	4.56E+00	2.28E+01	3.54E-03	7.08E-04	0	0
BENZO(G,H,I)PERYLENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	9.05E+02	9.05E+02	8.00E-03	1.07E-03	9.05E+02	4.56E+00	2.28E+01	***1.99E+02***	***3.97E+01***	0	0

Table 4-20
Refined Estimation for Avian Wildlife Exposed to Site Surface Waters at AES
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Area Use Factor	Percent of Diet as Soil	Sediment EPC (mg/kg)	Surfacewater EPC (mg/L)	Food Intake from Fish (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Sediment Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	LOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient	LOAEL Hazard Quotient	Samples Where Detected - Surface Water	Samples Where Detected - Sediment
BENZO(K)FLUORANTHENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	3.40E+02	3.40E+02	8.00E-03	1.07E-03	3.40E+02	4.56E+00	2.28E+01	***7.46E+01***	***1.49E+01***	0	0
CHRYSENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	9.32E-03	9.32E-03	8.00E-03	1.07E-03	1.84E-02	4.56E+00	2.28E+01	4.03E-03	8.07E-04	0	0
DIBENZ(A,H)ANTHRACENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	9.84E-03	9.84E-03	8.00E-03	1.07E-03	1.89E-02	4.56E+00	2.28E+01	4.15E-03	8.30E-04	0	0
FLUORANTHENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	9.98E-03	9.98E-03	8.00E-03	1.07E-03	1.91E-02	4.56E+00	2.28E+01	4.18E-03	8.36E-04	0	0
FLUORENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	2.26E-02	2.26E-02	8.00E-03	1.07E-03	3.17E-02	4.56E+00	2.28E+01	6.96E-03	1.39E-03	0	0
INDENO(1,2,3-CD)PYRENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	8.14E-03	8.14E-03	8.00E-03	1.07E-03	1.72E-02	4.56E+00	2.28E+01	3.78E-03	7.55E-04	0	0
NAPHTHALENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	9.84E-02	9.84E-02	8.00E-03	1.07E-03	1.07E-01	5.38E+01	5.38E+02	2.00E-03	2.00E-04	0	0
PHENANTHRENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	1.51E+01	1.51E+01	8.00E-03	1.07E-03	1.51E+01	4.56E+00	2.28E+01	***3.31E+00***	6.63E-01	0	0
PYRENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	2.05E-02	2.05E-02	8.00E-03	1.07E-03	2.96E-02	4.56E+00	2.28E+01	6.48E-03	1.30E-03	0	0
PAH HI													***2.77E+02***	***5.53E+01***		
1,2,4-TRICHLOROBENZENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	1.12E+01	1.12E+01	8.00E-03	1.07E-03	1.12E+01	1.72E+01	3.44E+01	6.52E-01	3.26E-01	0	0
BIS(2-ETHYLHEXYL)PHTHALATE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	5.64E+03	5.64E+03	8.00E-03	1.07E-03	5.64E+03	1.11E+00	NA	***5.08E+03***	--	0	0
BUTYLBENZYL PHTHALATE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	3.10E+01	3.10E+01	8.00E-03	1.07E-03	3.10E+01	2.20E-01	1.10E+00	***1.41E+02***	***2.82E+01***	0	0
DIETHYLPHTHALATE	1.00	17.00	8.90E-01	1.00E-02	0.00E+00	7.03E-01	7.03E-01	1.62E-02	1.07E-03	7.20E-01	2.20E-01	1.10E+00	***3.27E+00***	6.55E-01	0	0
DIMETHYLPHTHALATE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	6.37E-02	6.37E-02	8.00E-03	1.07E-03	7.28E-02	2.20E-01	1.10E+00	3.31E-01	6.62E-02	0	0
DI-N-BUTYLPHTHALATE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	2.00E+01	2.00E+01	8.00E-03	1.07E-03	2.01E+01	2.20E-01	1.10E+00	***9.12E+01***	***1.82E+01***	0	0
DI-N-OCTYL PHTHALATE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	4.08E+05	4.08E+05	8.00E-03	1.07E-03	4.08E+05	2.20E-01	1.10E+00	***1.85E+06***	***3.71E+05***	0	0
HEXACHLOROBENZENE	1.00	17.00	4.40E-01	1.00E-02	0.00E+00	6.47E+01	6.47E+01	8.00E-03	1.07E-03	6.47E+01	5.60E-01	2.25E+00	***1.15E+02***	***2.87E+01***	0	0
PENTACHLOROPHENOL	1.00	17.00	2.20E+00	5.00E-02	0.00E+00	2.09E+02	2.09E+02	4.00E-02	5.35E-03	2.09E+02	5.78E+00	5.84E+01	***3.63E+01***	***3.58E+00***	0	0
BENZENE	1.00	17.00	7.80E-04	4.00E-03	0.00E+00	5.95E-02	5.95E-02	1.42E-05	4.28E-04	5.99E-02	1.34E+01	NA	4.46E-03	--	0	1
ETHYLBENZENE	1.00	17.00	6.70E-03	4.00E-03	0.00E+00	1.94E-02	1.94E-02	1.22E-04	4.28E-04	2.00E-02	1.34E+01	NA	1.49E-03	--	0	0
XYLENES (TOTAL)	1.00	17.00	6.70E-03	8.00E-03	0.00E+00	2.40E-02	2.40E-02	1.22E-04	8.56E-04	2.49E-02	1.34E+01	NA	1.86E-03	--	0	0

Notes:
[1] only total metals available from this area

kg = Kilograms.
mg/kg-bw/day = milligrams per kilogram of body weight per day.
NA - indicates not available
"--" indicates data not applicable
NOAEL = no observed adverse effect level
SEV = screening ecotoxicology value
For the screening, it has been conservatively assumed that all chemical intake is absorbed by the receptor.
Hazard quotients in bold exceed one.
Food intake from vertebrates = (daily food ingestion from site) X (fraction of diet as fish) X (water to fish transfer factor) X (water concentration).
Food intake from benthic invertebrates = (daily food ingestion from site) X (fraction of diet as terrestrial invertebrates) X (sediment to terrestrial invertebrate transfer factor) X (sediment concentration).
Total food intake = (food intake from vertebrates) + (food intake from invertebrates)
Incidental sediment intake = (daily food ingestion from site) X (fraction of diet as sediment) X (sediment concentration).
Total drinking water intake = (surface water concentration) * (water ingestion rate)
Total chemical intake = (total food intake) + (incidental soil intake) + (drinking water intake).

Table 4-21
Refined Estimation for Avian Wildlife Exposed to Site Surface Waters at the Holding Pond
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Area Use Factor	Sediment EPC (mg/kg)	Surfacewater EPC (mg/L)	Food Intake from Fish (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Sediment Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	LOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient	LOAEL Hazard Quotient	Samples Where Detected - Surface Water	Samples Where Detected - Sediment
					Great Blue Heron										
Metals															
CADMIUM, DISSOLVED	4.80E-01	--	5.00E-04	1.31E-01	--	1.31E-01	0.00E+00	2.25E-05	1.31E-01	1.60E-01	6.10E-01	8.18E-01	2.15E-01	0	--
MERCURY, DISSOLVED	4.80E-01	--	5.80E-05	6.12E-03	--	6.12E-03	0.00E+00	2.61E-06	6.13E-03	6.80E-02	3.70E-01	9.01E-02	1.66E-02	0	--
SELENIUM, DISSOLVED	4.80E-01	--	4.50E-03	2.47E-01	--	2.47E-01	0.00E+00	2.03E-04	2.47E-01	4.00E-01	8.00E-01	6.18E-01	3.09E-01	0	--
THALLIUM, DISSOLVED	4.80E-01	--	NA	--	--	--	--	--	--	5.30E-02	5.30E-01	--	--	NA	--
Organics															
AROCLOR-1016	4.80E-01	--	2.47E-04	3.93E-01	--	3.93E-01	0.00E+00	1.11E-05	3.93E-01	9.00E-02	1.27E+00	***4.37E+00***	3.09E-01	0	--
AROCLOR-1221	4.80E-01	--	1.84E-04	1.75E+00	--	1.75E+00	0.00E+00	8.28E-06	1.75E+00	9.00E-02	1.27E+00	***1.95E+01***	***1.38E+00***	0	--
AROCLOR-1232	4.80E-01	--	1.66E-04	1.58E+00	--	1.58E+00	0.00E+00	7.47E-06	1.58E+00	9.00E-02	1.27E+00	***1.76E+01***	***1.24E+00***	0	--
AROCLOR-1242	4.80E-01	--	3.72E-04	5.92E-01	--	5.92E-01	0.00E+00	1.67E-05	5.92E-01	9.00E-02	1.27E+00	***6.58E+00***	4.66E-01	0	--
AROCLOR-1248	4.80E-01	--	2.77E-04	2.14E+00	--	2.14E+00	0.00E+00	1.25E-05	2.14E+00	9.00E-02	1.27E+00	***2.38E+01***	***1.69E+00***	0	--
AROCLOR-1254	4.80E-01	--	1.11E-04	4.34E+00	--	4.34E+00	0.00E+00	5.00E-06	4.34E+00	9.00E-02	1.27E+00	***4.82E+01***	***3.41E+00***	0	--
AROCLOR-1260	4.80E-01	--	2.17E-04	2.07E+00	--	2.07E+00	0.00E+00	9.76E-06	2.07E+00	9.00E-02	1.27E+00	***2.29E+01***	***1.63E+00***	0	--
PCBs HI												***1.43E+02***	***1.01E+01***		
7,12-DIMETHYLBENZ(A)ANTHRACENE	4.80E-01	--	6.10E-03	1.72E+01	--	1.72E+01	0.00E+00	2.74E-04	1.72E+01	4.56E+00	2.28E+01	***3.76E+00***	7.53E-01	0	--
ACENAPHTHENE	4.80E-01	--	2.20E-03	1.80E-02	--	1.80E-02	0.00E+00	9.90E-05	1.81E-02	4.56E+00	2.28E+01	3.96E-03	7.93E-04	0	--
ACENAPHTHYLENE	4.80E-01	--	2.30E-03	2.09E-02	--	2.09E-02	0.00E+00	1.03E-04	2.10E-02	5.38E+01	5.38E+02	3.91E-04	3.91E-05	0	--
ANTHRACENE	4.80E-01	--	2.00E-03	4.76E-02	--	4.76E-02	0.00E+00	9.00E-05	4.76E-02	5.38E+01	5.38E+02	8.86E-04	8.86E-05	0	--
BENZO(A)ANTHRACENE	4.80E-01	--	1.90E-03	1.16E+00	--	1.16E+00	0.00E+00	8.55E-05	1.16E+00	4.56E+00	2.28E+01	2.54E-01	5.08E-02	0	--
BENZO(A)PYRENE	4.80E-01	--	1.70E-03	2.18E-02	--	2.18E-02	0.00E+00	7.65E-05	2.19E-02	4.56E+00	2.28E+01	4.80E-03	9.61E-04	0	--
BENZO(B)FLUORANTHENE	4.80E-01	--	1.90E-03	1.20E-03	--	1.20E-03	0.00E+00	8.55E-05	1.29E-03	4.56E+00	2.28E+01	2.83E-04	5.65E-05	0	--
BENZO(G,H,I)PERYLENE	4.80E-01	--	1.50E-03	2.90E+01	--	2.90E+01	0.00E+00	6.75E-05	2.90E+01	4.56E+00	2.28E+01	***6.36E+00***	***1.27E+00***	0	--
BENZO(K)FLUORANTHENE	4.80E-01	--	2.50E-03	1.65E+01	--	1.65E+01	0.00E+00	1.13E-04	1.65E+01	4.56E+00	2.28E+01	***3.62E+00***	7.25E-01	0	--
CHRYSENE	4.80E-01	--	1.90E-03	1.20E-03	--	1.20E-03	0.00E+00	8.55E-05	1.29E-03	4.56E+00	2.28E+01	2.83E-04	5.65E-05	0	--
DIBENZ(A,H)ANTHRACENE	4.80E-01	--	1.70E-03	1.08E-03	--	1.08E-03	0.00E+00	7.65E-05	1.15E-03	4.56E+00	2.28E+01	2.53E-04	5.06E-05	0	--
FLUORANTHENE	4.80E-01	--	2.30E-03	5.59E-02	--	5.59E-02	0.00E+00	1.03E-04	5.60E-02	4.56E+00	2.28E+01	1.23E-02	2.45E-03	0	--
FLUORENE	4.80E-01	--	2.30E-03	8.74E-02	--	8.74E-02	0.00E+00	1.03E-04	8.75E-02	4.56E+00	2.28E+01	1.92E-02	3.84E-03	0	--
INDENO(1,2,3-CD)PYRENE	4.80E-01	--	1.60E-03	1.01E-03	--	1.01E-03	0.00E+00	7.20E-05	1.09E-03	4.56E+00	2.28E+01	2.38E-04	4.76E-05	0	--
NAPHTHALENE	4.80E-01	--	2.40E-03	1.57E-02	--	1.57E-02	0.00E+00	1.08E-04	1.58E-02	5.38E+01	5.38E+02	2.94E-04	2.94E-05	0	--
PHENANTHRENE	4.80E-01	--	2.00E-03	1.27E-01	--	1.27E-01	0.00E+00	9.00E-05	1.27E-01	4.56E+00	2.28E+01	2.78E-02	5.56E-03	0	--
PYRENE	4.80E-01	--	1.90E-03	4.53E-02	--	4.53E-02	0.00E+00	8.55E-05	4.54E-02	4.56E+00	2.28E+01	9.96E-03	1.99E-03	0	--
PAH HI												***1.41E+01***	***2.82E+00***		
1,2,3-TRICHLOROBENZENE	4.80E-01	--	NA	--	--	--	--	--	--	1.72E+01	3.44E+01	--	--	NA	--
BUTYLBENZYL PHTHALATE	4.80E-01	--	1.70E-03	2.80E-01	--	2.80E-01	0.00E+00	7.65E-05	2.80E-01	2.20E-01	1.10E+00	***1.27E+00***	2.55E-01	0	--
DI-N-BUTYLPHTHALATE	4.80E-01	--	2.00E-03	1.55E-01	--	1.55E-01	0.00E+00	9.00E-05	1.55E-01	2.20E-01	1.10E+00	7.03E-01	1.41E-01	0	--
DI-N-OCTYL PHTHALATE	4.80E-01	--	2.00E-03	1.18E+03	--	1.18E+03	0.00E+00	9.00E-05	1.18E+03	2.20E-01	1.10E+00	***5.35E+03***	***1.07E+03***	0	--
HEXACHLOROBENZENE	4.80E-01	--	1.70E-03	9.59E-01	--	9.59E-01	0.00E+00	7.65E-05	9.59E-01	5.60E-01	2.25E+00	***1.71E+00***	4.26E-01	0	--
PENTACHLOROPHENOL	4.80E-01	--	1.70E-03	1.31E-01	--	1.31E-01	0.00E+00	7.65E-05	1.31E-01	5.78E+00	5.84E+01	2.27E-02	2.24E-03	0	--
					Black Necked Stilt										
Metals															
CADMIUM	1.00E+00	1.43E+00	5.00E-04	0.00E+00	1.54E-01	1.54E-01	2.60E-02	5.35E-05	1.80E-01	1.60E-01	6.10E-01	***1.13E+00***	2.96E-01	0	6
CHROMIUM	1.00E+00	8.66E+02	6.51E-02	0.00E+00	1.36E+00	1.36E+00	1.58E+01	6.97E-03	1.71E+01	1.00E+00	5.00E+00	***1.71E+01***	***3.42E+00***	0	6
CHROMIUM (VI)	1.00E+00	2.79E+01	6.85E-03	0.00E+00	3.89E-01	3.89E-01	5.08E-01	7.33E-04	8.97E-01	1.00E+00	5.00E+00	8.97E-01	1.79E-01	1	4
IRON	1.00E+00	1.79E+04	3.00E+00	0.00E+00	6.90E+01	6.90E+01	3.26E+02	3.21E-01	3.95E+02	7.32E+00	7.03E+01	***5.39E+01***	***5.62E+00***	0	6
LEAD	1.00E+00	2.79E+01	1.90E-03	0.00E+00	8.27E-01	8.27E-01	5.08E-01	2.03E-04	1.33E+00	1.13E+00	1.13E+01	***1.18E+00***	1.18E-01	0	6
MANGANESE	1.00E+00	4.82E+02	2.41E-01	0.00E+00	4.16E+00	4.16E+00	8.77E+00	2.58E-02	1.30E+01	9.80E+01	9.77E+02	1.32E-01	1.33E-02	0	6
MERCURY	1.00E+00	3.40E-01	5.80E-05	0.00E+00	6.04E-02	6.04E-02	6.18E-03	6.21E-06	6.66E-02	6.80E-02	3.70E-01	9.79E-01	1.80E-01	0	6
NICKEL	1.00E+00	1.79E+02	9.85E-02	0.00E+00	2.90E+00	2.90E+00	3.26E+00	1.05E-02	6.17E+00	1.76E+01	7.74E+01	3.50E-01	7.97E-02	0	6
SELENIUM	1.00E+00	4.22E-01	4.50E-03	0.00E+00	5.38E-02	5.38E-02	7.68E-03	4.82E-04	6.20E-02	4.00E-01	8.00E-01	1.55E-01	7.75E-02	0	1
TIN	1.00E+00	NA	NA	--	--	--	--	--	--	6.80E+00	1.69E+01	--	--	NA	--
ZINC	1.00E+00	8.41E+02	1.94E-01	0.00E+00	8.38E-01	8.38E-01	1.53E+01	2.08E-02	1.62E+01	1.45E+01	1.31E+02	***1.11E+00***	1.23E-01	3	6
Organics															
AROCLOR-1016	1.00E+00	1.53E-02	1.27E-04	0.00E+00	1.99E-03	1.99E-03	2.79E-04	1.36E-05	2.28E-03	9.00E-02	1.27E+00	2.54E-02	1.80E-03	0	0
AROCLOR-1221	1.00E+00	1.54E-02	1.43E-04	0.00E+00	2.00E-03	2.00E-03	2.79E-04	1.53E-05	2.29E-03	9.00E-02	1.27E+00	2.55E-02	1.80E-03	0	0
AROCLOR-1232	1.00E+00	1.54E-02	1.48E-04	0.00E+00	2.01E-03	2.01E-03	2.81E-04	1.59E-05	2.30E-03	9.00E-02	1.27E+00	2.56E-02	1.81E-03	0	0
AROCLOR-1242	1.00E+00	1.70E-02	1.12E-04	0.00E+00	2.24E-03	2.24E-03	3.09E-04	1.20E-05	2.56E-03	9.00E-02	1.27E+00	2.84E-02	2.01E-03	0	0
AROCLOR-1248	1.00E+00	4.24E-02	1.21E-04	0.00E+00	6.17E-03	6.17E-03	7.71E-04	1.29E-05	6.95E-03	9.00E-02	1.27E+00	7.72E-02	5.47E-03	0	0
AROCLOR-1254	1.00E+00	1.68E-02	1.66E-04	0.00E+00	2.62E-03	2.62E-03	3.57E-04	1.43E-05	3.00E-03	9.00E-02	1.27E+00	3.33E-02	2.36E-03	0	0
AROCLOR-1260	1.00E+00	1.96E-02	1.34E-04	0.00E+00	2.62E-03	2.62E-03	3.57E-04	1.43E-05	3.00E-03	9.00E-02	1.27E+00	3.33E-02	2.36E-03	0	0
PCBs HI												2.49E-01	1.76E-02		
7,12-DIMETHYLBENZ(A)ANTHRACENE	1.00E+00	8.33E-02	6.10E-03	0.00E+00	3.58E+01	3.58E+01	1.51E-03	6.53E-04	3.58E+01	4.56E+00	2.28E+01	***7.85E+00***	***1.57E+00***	0	0
ACENAPHTHENE	1.00E+00	7.45E-02	2.20E-03	0.00E+00	1.63E-02	1.63E-02	1.36E-03	2.35E-04	1.79E-02	4.56E+00	2.28E+01	3.92E-03	7.83E-04	0	0
ACENAPHTHYLENE	1.00E+00	7.33E-02	2.30E-03	0.00E+00	6.01E-01	6.01E-01	1.33E-03	2.46E-04	6.02E-01	5.38E+01	5.38E+02	1.12E-02	1.12E-03	0	0
ANTHRACENE	1.00E+00	7.10E-02	2.00E-03	0.00E+00	2.40E+00	2.40E+00	1.29E-03	2.14E-04	2.40E+00	5.38E+01	5.38E+02	4.46E-02	4.46E-03	0	0

Table 4-21
Refined Estimation for Avian Wildlife Exposed to Site Surface Waters at the Holding Pond
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Area Use Factor	Sediment EPC (mg/kg)	Surfacewater EPC (mg/L)	Food Intake from Fish (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Sediment Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	LOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient	LOAEL Hazard Quotient	Samples Where Detected - Surface Water	Samples Where Detected - Sediment
BENZO(A)ANTHRACENE	1.00E+00	7.06E-02	1.90E-03	0.00E+00	2.70E-03	2.70E-03	1.28E-03	2.03E-04	4.19E-03	4.56E+00	2.28E+01	9.19E-04	1.84E-04	0	0
BENZO(A)PYRENE	1.00E+00	2.74E-01	1.70E-03	0.00E+00	3.72E-03	3.72E-03	4.98E-03	1.82E-04	8.89E-03	4.56E+00	2.28E+01	1.95E-03	3.90E-04	0	4
BENZO(B)FLUORANTHENE	1.00E+00	2.72E-01	1.90E-03	0.00E+00	4.37E-03	4.37E-03	4.95E-03	2.03E-04	9.52E-03	4.56E+00	2.28E+01	2.09E-03	4.17E-04	0	4
BENZO(G,H,I)PERYLENE	1.00E+00	4.50E-01	1.50E-03	0.00E+00	9.26E+02	9.26E+02	8.19E-03	1.61E-04	9.26E+02	4.56E+00	2.28E+01	***2.03E+02***	***4.06E+01***	0	5
BENZO(K)FLUORANTHENE	1.00E+00	7.53E-02	2.50E-03	0.00E+00	5.82E+01	5.82E+01	1.37E-03	2.68E-04	5.82E+01	4.56E+00	2.28E+01	***1.28E+01***	***2.55E+00***	0	0
CHRYSENE	1.00E+00	3.07E-01	1.90E-03	0.00E+00	6.50E-03	6.50E-03	5.58E-03	2.03E-04	1.23E-02	4.56E+00	2.28E+01	2.70E-03	5.39E-04	0	4
DIBENZ(A,H)ANTHRACENE	1.00E+00	7.49E-02	1.70E-03	0.00E+00	1.67E-03	1.67E-03	1.36E-03	1.82E-04	3.22E-03	4.56E+00	2.28E+01	7.06E-04	1.41E-04	0	0
FLUORANTHENE	1.00E+00	8.31E-02	2.30E-03	0.00E+00	1.89E-03	1.89E-03	1.51E-03	2.46E-04	3.64E-03	4.56E+00	2.28E+01	7.99E-04	1.60E-04	0	0
FLUORENE	1.00E+00	7.83E-01	2.30E-03	0.00E+00	4.03E-02	4.03E-02	1.42E-02	2.46E-04	5.48E-02	4.56E+00	2.28E+01	1.20E-02	2.40E-03	0	3
INDENO(1,2,3-CD)PYRENE	1.00E+00	7.23E-02	1.60E-03	0.00E+00	1.34E-03	1.34E-03	1.32E-03	1.71E-04	2.82E-03	4.56E+00	2.28E+01	6.19E-04	1.24E-04	0	2
NAPHTHALENE	1.00E+00	7.67E-02	2.40E-03	0.00E+00	1.72E-02	1.72E-02	1.40E-03	2.57E-04	1.88E-02	5.38E+01	5.38E+02	3.50E-04	3.50E-05	0	0
PHENANTHRENE	1.00E+00	3.93E-01	2.00E-03	0.00E+00	1.35E+01	1.35E+01	7.15E-03	2.14E-04	1.35E+01	4.56E+00	2.28E+01	***2.96E+00***	5.92E-01	0	2
PYRENE	1.00E+00	9.57E-02	1.90E-03	0.00E+00	4.45E-03	4.45E-03	1.74E-03	2.03E-04	6.40E-03	4.56E+00	2.28E+01	1.40E-03	2.81E-04	0	2
PAH HI												***2.27E+02***	***4.53E+01***		
1,2,4-TRICHLOROBENZENE	1.00E+00	7.88E-02	2.10E-03	0.00E+00	2.01E+00	2.01E+00	1.43E-03	2.25E-04	2.01E+00	1.72E+01	3.44E+01	1.17E-01	5.84E-02	0	0
BIS(2-ETHYLHEXYL)PHTHALATE	1.00E+00	1.33E-01	9.29E-03	0.00E+00	1.70E+03	1.70E+03	2.42E-03	9.94E-04	1.70E+03	1.11E+00	NA	***1.54E+03***	--	1	1
BUTYLBENZYL PHTHALATE	1.00E+00	8.14E-02	1.70E-03	0.00E+00	5.73E+00	5.73E+00	1.48E-03	1.82E-04	5.73E+00	2.20E-01	1.10E+00	***2.60E+01***	***5.21E+00***	0	0
DIETHYLPHTHALATE	1.00E+00	9.88E-02	2.30E-03	0.00E+00	7.81E-02	7.81E-02	1.80E-03	2.46E-04	8.01E-02	2.20E-01	1.10E+00	3.64E-01	7.28E-02	0	0
DIMETHYLPHTHALATE	1.00E+00	8.25E-02	2.20E-03	0.00E+00	1.20E-02	1.20E-02	1.50E-03	2.35E-04	1.37E-02	2.20E-01	1.10E+00	6.22E-02	1.24E-02	0	0
DI-N-BUTYLPHTHALATE	1.00E+00	8.12E-02	2.00E-03	0.00E+00	3.70E+00	3.70E+00	1.48E-03	2.14E-04	3.70E+00	2.20E-01	1.10E+00	***1.68E+01***	***3.37E+00***	0	0
DI-N-OCTYL PHTHALATE	1.00E+00	8.83E-02	2.00E-03	0.00E+00	8.18E+04	8.18E+04	1.61E-03	2.14E-04	8.18E+04	2.20E-01	1.10E+00	***3.72E+05***	***7.44E+04***	0	0
HEXACHLOROBENZENE	1.00E+00	7.24E-02	1.70E-03	0.00E+00	1.06E+01	1.06E+01	1.32E-03	1.82E-04	1.06E+01	5.60E-01	2.25E+00	***1.90E+01***	***4.73E+00***	0	0
PENTACHLOROPHENOL	1.00E+00	7.03E-02	1.70E-03	0.00E+00	6.69E+00	6.69E+00	1.28E-03	1.82E-04	6.69E+00	5.78E+00	5.84E+01	***1.16E+00***	1.15E-01	0	0
BENZENE	1.00E+00	4.69E-03	1.00E-03	0.00E+00	3.58E-01	3.58E-01	8.53E-05	1.07E-04	3.58E-01	1.34E+01	NA	2.66E-02	--	0	0
ETHYLBENZENE	1.00E+00	3.84E-03	1.40E-03	0.00E+00	1.11E-02	1.11E-02	6.98E-05	1.50E-04	1.13E-02	1.34E+01	NA	8.45E-04	--	0	0
XYLENES (TOTAL)	1.00E+00	6.00E-03	6.00E-03	0.00E+00	2.15E-02	2.15E-02	1.09E-04	6.42E-04	2.22E-02	1.34E+01	NA	1.65E-03	--	0	2

Notes:
kg = Kilograms.
mg/kg-bw/day = milligrams per kilogram of body weight per day.
NA indicates data not available
"--" indicates data not applicable
NOAEL = no observed adverse effect level
SEV = screening ecotoxicology value
For the screening, it has been conservatively assumed that all chemical intake is absorbed by the receptor.
Hazard quotients in bold exceed one.
Food intake from vertebrates = (daily food ingestion from site) X (fraction of diet as fish) X (water to fish transfer factor) X (water concentration).
Food intake from benthic invertebrates = (daily food ingestion from site) X (fraction of diet as terrestrial invertebrates) X (sediment to terrestrial invertebrate transfer factor) X (sediment concentration).
Total food intake = (food intake from vertebrates) + (food intake from invertebrates)
Incidental sediment intake = (daily food ingestion from site) X (fraction of diet as sediment) X (sediment concentration).
Total drinking water intake = (surface water concentration) * (water ingestion rate)
Total chemical intake = (total food intake) + (incidental soil intake) + (drinking water intake).

Table 4-22
Refined Estimation for Avian Wildlife Exposed to Site Surface Waters at the Effluent Channel
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Area Use Factor	Sediment EPC (mg/kg)	Surfacewater EPC (mg/L)	Food Intake from Fish (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Sediment Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	LOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient	LOAEL Hazard Quotient	Samples Where Detected - Surface Water	Samples Where Detected - Sediment
Great Blue Heron															
Metals															--
CADMIUM, DISSOLVED	5.61E-01	--	5.00E-03	1.53E+00	--	1.53E+00	0.00E+00	4.50E-04	1.53E+00	1.60E-01	6.10E-01	***9.57E+00***	***2.51E+00***	0	--
MERCURY, DISSOLVED	5.61E-01	--	1.12E-04	1.38E-02	--	1.38E-02	0.00E+00	1.17E-05	1.38E-02	6.80E-02	3.70E-01	2.03E-01	3.74E-02	1	--
SELENIUM, DISSOLVED	5.61E-01	--	1.34E-02	8.60E-01	--	8.60E-01	0.00E+00	2.30E-04	8.60E-01	4.00E-01	8.00E-01	***2.15E+00***	***1.08E+00***	6	--
THALLIUM, DISSOLVED	5.61E-01	--	2.00E+00	1.68E+00	--	1.68E+00	0.00E+00	1.80E-01	1.86E+00	5.30E-02	5.30E-01	***3.51E+01***	***3.51E+00***	0	--
Organics															--
AROCLOR-1016	5.61E-01	--	5.00E-04	9.30E-01	--	9.30E-01	0.00E+00	2.25E-05	9.30E-01	9.00E-02	1.27E+00	***1.03E+01***	7.32E-01	0	--
AROCLOR-1221	5.61E-01	--	5.00E-04	5.56E+00	--	5.56E+00	0.00E+00	2.25E-05	5.56E+00	9.00E-02	1.27E+00	***6.18E+01***	***4.38E+00***	0	--
AROCLOR-1232	5.61E-01	--	5.00E-04	5.56E+00	--	5.56E+00	0.00E+00	2.25E-05	5.56E+00	9.00E-02	1.27E+00	***6.18E+01***	***4.38E+00***	0	--
AROCLOR-1242	5.61E-01	--	5.00E-04	9.30E-01	--	9.30E-01	0.00E+00	2.25E-05	9.30E-01	9.00E-02	1.27E+00	***1.03E+01***	7.32E-01	0	--
AROCLOR-1248	5.61E-01	--	5.00E-04	4.52E+00	--	4.52E+00	0.00E+00	2.25E-05	4.52E+00	9.00E-02	1.27E+00	***5.02E+01***	***3.56E+00***	0	--
AROCLOR-1254	5.61E-01	--	5.00E-04	2.28E+01	--	2.28E+01	0.00E+00	2.25E-05	2.28E+01	9.00E-02	1.27E+00	***2.54E+02***	***1.80E+01***	0	--
AROCLOR-1260	5.61E-01	--	5.00E-04	5.56E+00	--	5.56E+00	0.00E+00	2.25E-05	5.56E+00	9.00E-02	1.27E+00	***6.18E+01***	***4.38E+00***	0	--
PCBs HI												***5.10E+02***	***3.61E+01***		--
7,12-DIMETHYLBENZ(A)ANTH	5.61E-01	--	6.10E-03	2.01E+01	--	2.01E+01	0.00E+00	2.74E-04	2.01E+01	4.56E+00	2.28E+01	***4.40E+00***	8.79E-01	0	--
ACENAPHTHENE	5.61E-01	--	1.00E-01	9.55E-01	--	9.55E-01	0.00E+00	4.50E-03	9.60E-01	4.56E+00	2.28E+01	2.10E-01	4.21E-02	0	--
ACENAPHTHYLENE	5.61E-01	--	1.00E-01	1.06E+00	--	1.06E+00	0.00E+00	4.50E-03	1.07E+00	5.38E+01	5.38E+02	1.98E-02	1.98E-03	0	--
ANTHRACENE	5.61E-01	--	1.00E-01	2.78E+00	--	2.78E+00	0.00E+00	4.50E-03	2.78E+00	5.38E+01	5.38E+02	5.17E-02	5.17E-03	0	--
BENZO(A)ANTHRACENE	5.61E-01	--	1.00E-01	7.13E+01	--	7.13E+01	0.00E+00	4.50E-03	7.13E+01	4.56E+00	2.28E+01	***1.56E+01***	***3.13E+00***	0	--
BENZO(A)PYRENE	5.61E-01	--	1.00E-01	1.50E+00	--	1.50E+00	0.00E+00	4.50E-03	1.50E+00	4.56E+00	2.28E+01	3.30E-01	6.60E-02	0	--
BENZO(B)FLUORANTHENE	5.61E-01	--	1.00E-01	7.40E-02	--	7.40E-02	0.00E+00	4.50E-03	7.85E-02	4.56E+00	2.28E+01	1.72E-02	3.44E-03	0	--
BENZO(G,H,I)PERYLENE	5.61E-01	--	1.00E-01	2.26E+03	--	2.26E+03	0.00E+00	4.50E-03	2.26E+03	4.56E+00	2.28E+01	***4.96E+02***	***9.91E+01***	0	--
BENZO(K)FLUORANTHENE	5.61E-01	--	1.00E-01	7.72E+02	--	7.72E+02	0.00E+00	4.50E-03	7.72E+02	4.56E+00	2.28E+01	***1.69E+02***	***3.39E+01***	0	--
CHRYSENE	5.61E-01	--	1.00E-01	7.40E-02	--	7.40E-02	0.00E+00	4.50E-03	7.85E-02	4.56E+00	2.28E+01	1.72E-02	3.44E-03	0	--
DIBENZ(A,H)ANTHRACENE	5.61E-01	--	1.00E-01	7.40E-02	--	7.40E-02	0.00E+00	4.50E-03	7.85E-02	4.56E+00	2.28E+01	1.72E-02	3.44E-03	0	--
FLUORANTHENE	5.61E-01	--	1.00E-01	2.84E+00	--	2.84E+00	0.00E+00	4.50E-03	2.84E+00	4.56E+00	2.28E+01	6.23E-01	1.25E-01	0	--
FLUORENE	5.61E-01	--	1.00E-01	4.44E+00	--	4.44E+00	0.00E+00	4.50E-03	4.45E+00	4.56E+00	2.28E+01	9.75E-01	1.95E-01	0	--
INDENO(1,2,3-CD)PYRENE	5.61E-01	--	1.00E-01	7.40E-02	--	7.40E-02	0.00E+00	4.50E-03	7.85E-02	4.56E+00	2.28E+01	1.72E-02	3.44E-03	0	--
NAPHTHALENE	5.61E-01	--	1.00E-01	7.65E-01	--	7.65E-01	0.00E+00	4.50E-03	7.70E-01	5.38E+01	5.38E+02	1.43E-02	1.43E-03	0	--
PHENANTHRENE	5.61E-01	--	1.00E-01	7.40E+00	--	7.40E+00	0.00E+00	4.50E-03	7.41E+00	4.56E+00	2.28E+01	***1.62E+00***	3.25E-01	0	--
PYRENE	5.61E-01	--	1.00E-01	2.79E+00	--	2.79E+00	0.00E+00	4.50E-03	2.79E+00	4.56E+00	2.28E+01	6.13E-01	1.23E-01	0	--
PAH HI												***6.90E+02***	***1.38E+02***		--
1,2,3-TRICHLOROBENZENE	5.61E-01	--	NA	--	--	--	--	--	--	1.72E+01	3.44E+01	**--**	**--**	NA	--
BUTYLBENZYL PHTHALATE	5.61E-01	--	1.40E-03	2.70E-01	--	2.70E-01	0.00E+00	6.30E-05	2.70E-01	2.20E-01	1.10E+00	***1.23E+00***	2.45E-01	1	--
DI-N-BUTYLPHTHALATE	5.61E-01	--	7.10E-03	6.42E-01	--	6.42E-01	0.00E+00	3.20E-04	6.42E-01	2.20E-01	1.10E+00	***2.92E+00***	5.84E-01	4	--
DI-N-OCTYL PHTHALATE	5.61E-01	--	1.00E-01	6.88E+04	--	6.88E+04	0.00E+00	4.50E-03	6.88E+04	2.20E-01	1.10E+00	***3.13E+05***	***6.25E+04***	0	--
HEXACHLOROBENZENE	5.61E-01	--	1.00E-01	6.59E+01	--	6.59E+01	0.00E+00	4.50E-03	6.59E+01	5.60E-01	2.25E+00	***1.18E+02***	***2.93E+01***	0	--
PENTACHLOROPHENOL	5.61E-01	--	5.00E-01	4.50E+01	--	4.50E+01	0.00E+00	2.25E-02	4.50E+01	5.78E+00	5.84E+01	***7.79E+00***	7.70E-01	0	--
Black Necked Stilt															
Metals															
CADMIUM	1.00E+00	8.72E-01	1.00E-02	0.00E+00	1.11E-01	1.11E-01	1.59E-02	1.07E-03	1.28E-01	1.60E-01	6.10E-01	7.99E-01	2.10E-01	0	20
CHROMIUM	1.00E+00	3.12E+02	1.14E-01	0.00E+00	9.40E-01	9.40E-01	5.68E+00	1.22E-02	6.63E+00	1.00E+00	5.00E+00	***6.63E+00***	***1.33E+00***	1	54
CHROMIUM (VI)	1.00E+00	8.94E+00	5.24E-03	0.00E+00	2.57E-01	2.57E-01	1.63E-01	5.61E-04	4.20E-01	1.00E+00	5.00E+00	4.20E-01	8.40E-02	0	9
IRON	1.00E+00	2.61E+04	1.36E+01	0.00E+00	1.01E+02	1.01E+02	4.75E+02	1.46E+00	5.77E+02	7.32E+00	7.03E+01	***7.88E+01***	***8.20E+00***	16	43
LEAD	1.00E+00	1.88E+01	6.63E-02	0.00E+00	6.03E-01	6.03E-01	3.42E-01	7.09E-03	9.52E-01	1.13E+00	1.13E+01	8.42E-01	8.42E-02	3	57
MANGANESE	1.00E+00	6.16E+02	7.52E-01	0.00E+00	4.92E+00	4.92E+00	1.12E+01	8.05E-02	1.62E+01	9.80E+01	9.77E+02	1.65E-01	1.66E-02	36	43
MERCURY	1.00E+00	1.61E-01	2.61E-04	0.00E+00	4.73E-02	4.73E-02	2.93E-03	2.79E-05	5.03E-02	6.80E-02	3.70E-01	7.39E-01	1.36E-01	1	20
NICKEL	1.00E+00	4.48E+01	2.74E-01	0.00E+00	1.11E+00	1.11E+00	8.15E-01	2.93E-02	1.95E+00	1.76E+01	7.74E+01	1.11E-01	2.52E-02	20	41
SELENIUM	1.00E+00	1.72E+00	5.10E-03	0.00E+00	1.51E-01	1.51E-01	3.13E-02	5.46E-04	1.83E-01	4.00E-01	8.00E-01	4.56E-01	2.28E-01	6	17
TIN	1.00E+00	1.22E+02	NA	0.00E+00	1.31E+01	1.31E+01	2.22E+00	--	1.53E+01	6.80E+00	1.69E+01	***2.25E+00***	9.04E-01	-	0
ZINC	1.00E+00	1.18E+02	6.09E-01	0.00E+00	5.21E-01	5.21E-01	2.15E+00	6.52E-02	2.73E+00	1.45E+01	1.31E+02	1.88E-01	2.09E-02	29	44
Organics															
AROCLOR-1016	1.00E+00	1.53E-02	1.27E-04	0.00E+00	1.99E-03	1.99E-03	2.79E-04	1.36E-05	2.28E-03	9.00E-02	1.27E+00	2.54E-02	1.80E-03	0	0
AROCLOR-1221	1.00E+00	1.54E-02	1.43E-04	0.00E+00	2.00E-03	2.00E-03	2.79E-04	1.53E-05	2.29E-03	9.00E-02	1.27E+00	2.55E-02	1.80E-03	0	0
AROCLOR-1232	1.00E+00	1.54E-02	1.48E-04	0.00E+00	2.01E-03	2.01E-03	2.81E-04	1.59E-05	2.30E-03	9.00E-02	1.27E+00	2.56E-02	1.81E-03	0	0
AROCLOR-1242	1.00E+00	1.70E-02	1.12E-04	0.00E+00	2.24E-03	2.24E-03	3.09E-04	1.20E-05	2.56E-03	9.00E-02	1.27E+00	2.84E-02	2.01E-03	0	0

Table 4-22
Refined Estimation for Avian Wildlife Exposed to Site Surface Waters at the Effluent Channel
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Area Use Factor	Sediment EPC (mg/kg)	Surfacewater EPC (mg/L)	Food Intake from Fish (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Sediment Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	LOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient	LOAEL Hazard Quotient	Samples Where Detected - Surface Water	Samples Where Detected - Sediment
AROCLOR-1248	1.00E+00	4.24E-02	1.21E-04	0.00E+00	6.17E-03	6.17E-03	7.71E-04	1.29E-05	6.95E-03	9.00E-02	1.27E+00	7.72E-02	5.47E-03	0	3
AROCLOR-1254	1.00E+00	1.96E-02	1.34E-04	0.00E+00	2.62E-03	2.62E-03	3.57E-04	1.43E-05	3.00E-03	9.00E-02	1.27E+00	3.33E-02	2.36E-03	0	0
AROCLOR-1260	1.00E+00	1.96E-02	1.34E-04	0.00E+00	2.62E-03	2.62E-03	3.57E-04	1.43E-05	3.00E-03	9.00E-02	1.27E+00	3.33E-02	2.36E-03	0	1
PCBs HI												2.49E-01	1.76E-02		
7,12-DIMETHYLBENZ(A)ANTH	1.00E+00	8.33E-02	6.10E-03	0.00E+00	3.58E+01	3.58E+01	1.51E-03	6.53E-04	3.58E+01	4.56E+00	2.28E+01	***7.85E+00***	***1.57E+00***	0	0
ACENAPHTHENE	1.00E+00	1.70E+00	1.00E-01	0.00E+00	3.71E-01	3.71E-01	3.09E-02	1.07E-02	4.13E-01	4.56E+00	2.28E+01	9.05E-02	1.81E-02	0	0
ACENAPHTHYLENE	1.00E+00	1.70E+00	1.00E-01	0.00E+00	1.39E+01	1.39E+01	3.09E-02	1.07E-02	1.40E+01	5.38E+01	5.38E+02	2.60E-01	2.60E-02	0	0
ANTHRACENE	1.00E+00	1.70E+00	1.00E-01	0.00E+00	5.74E+01	5.74E+01	3.09E-02	1.07E-02	5.74E+01	5.38E+01	5.38E+02	***1.07E+00***	1.07E-01	0	0
BENZO(A)ANTHRACENE	1.00E+00	2.10E+00	1.00E-01	0.00E+00	8.04E-02	8.04E-02	3.82E-02	1.07E-02	1.29E-01	4.56E+00	2.28E+01	2.84E-02	5.67E-03	0	0
BENZO(A)PYRENE	1.00E+00	2.61E-01	1.00E-01	0.00E+00	3.55E-03	3.55E-03	4.75E-03	1.07E-02	1.90E-02	4.56E+00	2.28E+01	4.17E-03	8.33E-04	0	4
BENZO(B)FLUORANTHENE	1.00E+00	2.23E-01	1.00E-01	0.00E+00	3.58E-03	3.58E-03	4.06E-03	1.07E-02	1.83E-02	4.56E+00	2.28E+01	4.02E-03	8.04E-04	0	4
BENZO(G,H,I)PERYLENE	1.00E+00	1.60E+00	1.00E-01	0.00E+00	3.29E+03	3.29E+03	2.91E-02	1.07E-02	3.29E+03	4.56E+00	2.28E+01	***7.22E+02***	***1.44E+02***	0	6
BENZO(K)FLUORANTHENE	1.00E+00	2.10E+00	1.00E-01	0.00E+00	1.62E+03	1.62E+03	3.82E-02	1.07E-02	1.62E+03	4.56E+00	2.28E+01	***3.56E+02***	***7.12E+01***	0	0
CHRYSENE	1.00E+00	2.16E-01	1.00E-01	0.00E+00	4.58E-03	4.58E-03	3.93E-03	1.07E-02	1.92E-02	4.56E+00	2.28E+01	4.21E-03	8.42E-04	0	4
DIBENZ(A,H)ANTHRACENE	1.00E+00	2.94E-01	1.00E-01	0.00E+00	6.57E-03	6.57E-03	5.35E-03	1.07E-02	2.26E-02	4.56E+00	2.28E+01	4.96E-03	9.92E-04	0	2
FLUORANTHENE	1.00E+00	1.70E+00	1.00E-01	0.00E+00	3.86E-02	3.86E-02	3.09E-02	1.07E-02	8.02E-02	4.56E+00	2.28E+01	1.76E-02	3.52E-03	0	0
FLUORENE	1.00E+00	1.70E+00	1.00E-01	0.00E+00	8.75E-02	8.75E-02	3.09E-02	1.07E-02	1.29E-01	4.56E+00	2.28E+01	2.83E-02	5.66E-03	0	0
INDENO(1,2,3-CD)PYRENE	1.00E+00	3.45E-01	1.00E-01	0.00E+00	6.39E-03	6.39E-03	6.28E-03	1.07E-02	2.34E-02	4.56E+00	2.28E+01	5.12E-03	1.02E-03	0	3
NAPHTHALENE	1.00E+00	1.70E+00	1.00E-01	0.00E+00	3.80E-01	3.80E-01	3.09E-02	1.07E-02	4.22E-01	5.38E+01	5.38E+02	7.84E-03	7.84E-04	0	0
PHENANTHRENE	1.00E+00	1.87E-01	1.00E-01	0.00E+00	6.42E+00	6.42E+00	3.40E-03	1.07E-02	6.43E+00	4.56E+00	2.28E+01	***1.41E+00***	2.82E-01	0	2
PYRENE	1.00E+00	1.20E-01	1.00E-01	0.00E+00	5.59E-03	5.59E-03	2.18E-03	1.07E-02	1.85E-02	4.56E+00	2.28E+01	4.05E-03	8.10E-04	0	3
PAH HI												***1.09E+03***	***2.18E+02***		
1,2,4-TRICHLOROBENZENE	1.00E+00	2.10E+00	1.00E-01	0.00E+00	5.35E+01	5.35E+01	3.82E-02	1.07E-02	5.35E+01	1.72E+01	3.44E+01	***3.11E+00***	***1.56E+00***	0	0
BIS(2-ETHYLHEXYL)PHTHALA	1.00E+00	2.10E+00	1.12E-02	0.00E+00	2.69E+04	2.69E+04	3.82E-02	1.20E-03	2.69E+04	1.11E+00	NA	***2.42E+04***	--	2	0
BUTYLBENZYL PHTHALATE	1.00E+00	2.10E+00	1.40E-03	0.00E+00	1.48E+02	1.48E+02	3.82E-02	1.50E-04	1.48E+02	2.20E-01	1.10E+00	***6.72E+02***	***1.34E+02***	1	0
DIETHYLPHTHALATE	1.00E+00	1.70E+00	1.00E-01	0.00E+00	1.34E+00	1.34E+00	3.09E-02	1.07E-02	1.38E+00	2.20E-01	1.10E+00	***6.29E+00***	***1.26E+00***	0	0
DIMETHYLPHTHALATE	1.00E+00	1.70E+00	1.00E-01	0.00E+00	2.46E-01	2.46E-01	3.09E-02	1.07E-02	2.88E-01	2.20E-01	1.10E+00	***1.31E+00***	2.62E-01	0	0
DI-N-BUTYLPHTHALATE	1.00E+00	1.98E-01	7.10E-03	0.00E+00	9.02E+00	9.02E+00	3.60E-03	7.60E-04	9.03E+00	2.20E-01	1.10E+00	***4.10E+01***	***8.21E+00***	4	1
DI-N-OCTYL PHTHALATE	1.00E+00	3.00E+00	1.00E-01	0.00E+00	2.78E+06	2.78E+06	5.46E-02	1.07E-02	2.78E+06	2.20E-01	1.10E+00	***1.26E+07***	***2.53E+06***	0	0
HEXACHLOROBENZENE	1.00E+00	2.10E+00	1.00E-01	0.00E+00	3.09E+02	3.09E+02	3.82E-02	1.07E-02	3.09E+02	5.60E-01	2.25E+00	***5.51E+02***	***1.37E+02***	0	0
PENTACHLOROPHENOL	1.00E+00	4.52E+00	5.00E-01	0.00E+00	4.30E+02	4.30E+02	8.22E-02	5.35E-02	4.30E+02	5.78E+00	5.84E+01	***7.45E+01***	***7.37E+00***	0	0
BENZENE	1.00E+00	5.89E-01	6.94E-02	0.00E+00	4.49E+01	4.49E+01	1.07E-02	7.43E-03	4.49E+01	1.34E+01	NA	***3.35E+00***	--	6	6
ETHYLBENZENE	1.00E+00	6.00E+00	4.79E-03	0.00E+00	1.74E+01	1.74E+01	1.09E-01	5.13E-04	1.75E+01	1.34E+01	NA	***1.30E+00***	--	2	0
XYLENES (TOTAL)	1.00E+00	2.10E-02	1.13E-02	0.00E+00	7.51E-02	7.51E-02	3.82E-04	1.21E-03	7.67E-02	1.34E+01	NA	5.71E-03	--	4	3

Notes:
kg = Kilograms.
mg/kg-bw/day = milligrams per kilogram of body weight per day.
NA indicates data not available
"--" indicates data not applicable
NOAEL = no observed adverse effect level
SEV = screening ecotoxicology value
For the screening, it has been conservatively assumed that all chemical intake is absorbed by the receptor.
Hazard quotients in bold exceed one.
Food intake from vertebrates = (daily food ingestion from site) X (fraction of diet as fish) X (water to fish transfer factor) X (water concentration).
Food intake from benthic invertebrates = (daily food ingestion from site) X (fraction of diet as terrestrial invertebrates) X (sediment to terrestrial invertebrate transfer factor) X (sediment concentration).
Total food intake = (food intake from vertebrates) + (food intake from invertebrates)
Incidental sediment intake = (daily food ingestion from site) X (fraction of diet as sediment) X (sediment concentration).
Total drinking water intake = (surface water concentration) * (water ingestion rate)
Total chemical intake = (total food intake) + (incidental soil intake) + (drinking water intake).

Table 4-23
Refined Estimation for Avian Wildlife Exposed to Site Surface Waters at the Beach Area
Site-Wide Screening Level ERA for the CPCPRC Site

Chemical	Area Use Factor	Sediment EPC (mg/kg)	Groundwater/ Marine EPC (mg/L)	Food Intake from Fish (mg/kg-bw/d)	Food Intake from Invertebrates (mg/kg-bw/d)	Total Food Intake (mg/kg-bw/d)	Incidental Sediment Intake (mg/kg-bw/d)	Incidental Water Intake (mg/kg-bw/d)	Total Chemical Intake (mg/kg-day)	NOAEL SEV (mg/kg-bw/d)	LOAEL SEV (mg/kg-bw/d)	NOAEL Hazard Quotient	LOAEL Hazard Quotient	Samples Where Detected - Surface Water
					Great Blue Heron									
Metals														
CADMIUM, DISSOLVED	1.00E+00	--	5.40E-05	2.95E-02	--	2.95E-02	0.00E+00	4.08E-05	2.95E-02	1.60E-01	6.10E-01	1.84E-01	4.84E-02	1
MERCURY, DISSOLVED	1.00E+00	--	5.40E-06	1.19E-03	--	1.19E-03	0.00E+00	7.76E-07	1.19E-03	6.80E-02	3.70E-01	1.75E-02	3.21E-03	0
SELENIUM, DISSOLVED	1.00E+00	--	2.24E-04	2.56E-02	--	2.56E-02	0.00E+00	1.98E-05	2.57E-02	4.00E-01	8.00E-01	6.41E-02	3.21E-02	2
THALLIUM, DISSOLVED	1.00E+00	--	NA	--	--	--	--	--	--	5.30E-02	5.30E-01	--	--	NA
Organics														
AROCLOR-1016	1.00E+00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA
AROCLOR-1221	1.00E+00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA
AROCLOR-1232	1.00E+00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA
AROCLOR-1242	1.00E+00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA
AROCLOR-1248	1.00E+00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA
AROCLOR-1254	1.00E+00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA
AROCLOR-1260	1.00E+00	--	NA	--	--	--	--	--	--	9.00E-02	1.27E+00	--	--	NA
PCBs HI												0.00E+00	0.00E+00	
7,12-DIMETHYLBENZ(A)ANTHRACENE	1.00E+00	--	1.65E-04	9.65E-01	--	9.65E-01	0.00E+00	7.41E-06	9.65E-01	4.56E+00	2.28E+01	2.12E-01	4.23E-02	0
ACENAPHTHENE	1.00E+00	--	2.70E-04	4.60E-03	--	4.60E-03	0.00E+00	1.22E-05	4.61E-03	4.56E+00	2.28E+01	1.01E-03	2.02E-04	0
ACENAPHTHYLENE	1.00E+00	--	2.70E-04	5.12E-03	--	5.12E-03	0.00E+00	1.22E-05	5.13E-03	5.38E+01	5.38E+02	9.53E-05	9.53E-06	0
ANTHRACENE	1.00E+00	--	2.70E-04	1.34E-02	--	1.34E-02	0.00E+00	1.22E-05	1.34E-02	5.38E+01	5.38E+02	2.49E-04	2.49E-05	0
BENZO(A)ANTHRACENE	1.00E+00	--	2.70E-04	3.43E-01	--	3.43E-01	0.00E+00	1.22E-05	3.43E-01	4.56E+00	2.28E+01	7.53E-02	1.51E-02	0
BENZO(A)PYRENE	1.00E+00	--	2.70E-04	7.22E-03	--	7.22E-03	0.00E+00	1.22E-05	7.23E-03	4.56E+00	2.28E+01	1.59E-03	3.17E-04	0
BENZO(B)FLUORANTHENE	1.00E+00	--	2.70E-04	3.56E-04	--	3.56E-04	0.00E+00	1.22E-05	3.68E-04	4.56E+00	2.28E+01	8.08E-05	1.62E-05	0
BENZO(G,H,I)PERYLENE	1.00E+00	--	2.70E-04	1.09E+01	--	1.09E+01	0.00E+00	1.22E-05	1.09E+01	4.56E+00	2.28E+01	***2.39E+00***	4.77E-01	0
BENZO(K)FLUORANTHENE	1.00E+00	--	2.70E-04	3.72E+00	--	3.72E+00	0.00E+00	1.22E-05	3.72E+00	4.56E+00	2.28E+01	8.15E-01	1.63E-01	0
CHRYSENE	1.00E+00	--	2.70E-04	3.56E-04	--	3.56E-04	0.00E+00	1.22E-05	3.68E-04	4.56E+00	2.28E+01	8.08E-05	1.62E-05	0
DIBENZ(A,H)ANTHRACENE	1.00E+00	--	2.70E-04	3.56E-04	--	3.56E-04	0.00E+00	1.22E-05	3.68E-04	4.56E+00	2.28E+01	8.08E-05	1.62E-05	0
FLUORANTHENE	1.00E+00	--	2.70E-04	1.37E-02	--	1.37E-02	0.00E+00	1.22E-05	1.37E-02	4.56E+00	2.28E+01	3.00E-03	6.00E-04	0
FLUORENE	1.00E+00	--	2.70E-04	2.14E-02	--	2.14E-02	0.00E+00	1.22E-05	2.14E-02	4.56E+00	2.28E+01	4.69E-03	9.38E-04	0
INDENO(1,2,3-CD)PYRENE	1.00E+00	--	2.70E-04	3.56E-04	--	3.56E-04	0.00E+00	1.22E-05	3.68E-04	4.56E+00	2.28E+01	8.08E-05	1.62E-05	0
NAPHTHALENE	1.00E+00	--	2.70E-04	3.68E-03	--	3.68E-03	0.00E+00	1.22E-05	3.69E-03	5.38E+01	5.38E+02	6.87E-05	6.87E-06	0
PHENANTHRENE	1.00E+00	--	2.70E-04	3.56E-02	--	3.56E-02	0.00E+00	1.22E-05	3.56E-02	4.56E+00	2.28E+01	7.82E-03	1.56E-03	0
PYRENE	1.00E+00	--	2.70E-04	1.34E-02	--	1.34E-02	0.00E+00	1.22E-05	1.34E-02	4.56E+00	2.28E+01	2.95E-03	5.89E-04	0
PAH HI												***3.51E+00***	7.02E-01	
1,2,3-TRICHLOROBENZENE	1.00E+00	--	1.35E-05	5.50E-04	--	5.50E-04	0.00E+00	6.08E-07	5.51E-04	1.72E+01	3.44E+01	3.20E-05	1.60E-05	0
BUTYLBENZYL PHTHALATE	1.00E+00	--	2.70E-04	9.27E-02	--	9.27E-02	0.00E+00	1.22E-05	9.27E-02	2.20E-01	1.10E+00	4.22E-01	8.43E-02	0
DI-N-BUTYLPHTHALATE	1.00E+00	--	1.37E-04	2.21E-02	--	2.21E-02	0.00E+00	6.18E-06	2.21E-02	2.20E-01	1.10E+00	1.01E-01	2.01E-02	2
DI-N-OCTYL PHTHALATE	1.00E+00	--	2.70E-04	3.31E+02	--	3.31E+02	0.00E+00	1.22E-05	3.31E+02	2.20E-01	1.10E+00	***1.50E+03***	***3.01E+02***	0
HEXACHLOROBENZENE	1.00E+00	--	2.70E-04	3.17E-01	--	3.17E-01	0.00E+00	1.22E-05	3.17E-01	5.60E-01	2.25E+00	5.67E-01	1.41E-01	0
PENTACHLOROPHENOL	1.00E+00	--	1.35E-03	2.16E-01	--	2.16E-01	0.00E+00	6.08E-05	2.16E-01	5.78E+00	5.84E+01	3.75E-02	3.71E-03	0

Notes:
A dilution factor of 0.027 was applied to groundwater concentrations to account for seawater mixing
kg = Kilograms.
mg/kg-bw/day = milligrams per kilogram of body weight per day.
NA indicates data not available
"--" indicates data not applicable
NOAEL = no observed adverse effect level
SEV = screening ecotoxicology value
For the screening, it has been conservatively assumed that all chemical intake is absorbed by the receptor.
Hazard quotients in bold exceed one.
Food intake from vertebrates = (daily food ingestion from site) X (fraction of diet as fish) X (water to fish transfer factor) X (water concentration).
Food intake from benthic invertebrates = (daily food ingestion from site) X (fraction of diet as terrestrial invertebrates) X (sediment to terrestrial invertebrate transfer factor) X (sediment concentration).
Total food intake = (food intake from vertebrates) + (food intake from invertebrates)
Incidental sediment intake = (daily food ingestion from site) X (fraction of diet as sediment) X (sediment concentration).
Total drinking water intake = (surface water concentration) * (water ingestion rate)
Total chemical intake = (total food intake) + (incidental soil intake) + (drinking water intake).

Table 4-24
Summary of Parameter Outcome
Site-Wide Screening Level ERA for the CPCPRC Site

Media	Analyte	DF	Marine	Freshwater Aquatic Organisms AES	Freshwater Aquatic Organisms Pond	Freshwater Aquatic Organisms Channel	Benthic Invertebrates AES	Benthic Invertebrates Pond	Benthic Invertebrates Channel	Great Blue Heron AES	Great Blue Heron Pond	Great Blue Heron Channel	Great Blue Heron Beach	Black-necked Stilt AES	Black-necked Stilt Pond	Black-necked Stilt Channel
Groundwater																
	Metals															
	ANTIMONY, DISSOLVED	0 / 7	P										U			
	ARSENIC, DISSOLVED	3 / 8	P										P			
	BARIUM, DISSOLVED	6 / 7	F										P			
	BERYLLIUM, DISSOLVED	0 / 7	**P**										U			
	CADMIUM, DISSOLVED	1 / 8	P										**P**			
	CHROMIUM (VI), DISSOLVED	0 / 5	P										P			
	CHROMIUM, DISSOLVED	1 / 7	P										P			
	COBALT, DISSOLVED	2 / 7	P										P			
	COPPER, DISSOLVED	1 / 8	**P**										P			
	IRON, DISSOLVED	6 / 7	**P**										P			
	LEAD, DISSOLVED	2 / 8	P										P			
	MAGNESIUM, DISSOLVED	7 / 7	U										U			
	MANGANESE, DISSOLVED	8 / 8	**P**										P			
	MERCURY, DISSOLVED	0 / 8	P										**P**			
	NICKEL, DISSOLVED	1 / 8	**P**										P			
	SELENIUM, DISSOLVED	2 / 7	P										**P**			
	SILVER, DISSOLVED	0 / 6	**P**										P			
	VANADIUM, DISSOLVED	1 / 7	P										P			
	ZINC, DISSOLVED	5 / 7	**P**										P			
	Organics (SVOCs)															
	1,2,3-TRICHLOROBENZENE	0 / 1	P										**P**			
	1,2,4-TRICHLOROBENZENE	0 / 9	P										P			
	1,2-DICHLOROBENZENE	0 / 9	P										P			
	1,3-DICHLOROBENZENE	0 / 9	P										P			
	1,4-DICHLOROBENZENE	0 / 9	P										P			
	2,4,5-TRICHLOROPHENOL	0 / 8	P										U			
	2,4,6-TRICHLOROPHENOL	0 / 8	**P**										U			
	2,4-DICHLOROPHENOL	0 / 8	P										U			
	2,4-DIMETHYLPHENOL	0 / 8	P										U			
	2,4-DINITROPHENOL	0 / 8	**P**										U			
	2,4-DINITROTOLUENE	0 / 8	P										U			
	2,6-DINITROTOLUENE	0 / 8	P										U			
	2-CHLORONAPHTHALENE	0 / 8	**P**										U			
	2-CHLOROPHENOL	0 / 8	P										U			
	2-METHYLNAPHTHALENE	0 / 8	P										P			
	2-METHYLPHENOL	0 / 8	P										P			
	2-NITROANILINE	0 / 8	U										U			
	2-NITROPHENOL	0 / 8	P										U			
	3,3'-DICHLOROBENZIDINE	0 / 8	**P**										U			
	3-NITROANILINE	0 / 8	U										U			
	4,6-DINITRO-2-METHYLPHENOL	0 / 8	**P**										U			
	4-BROMOPHENYL PHENYLETHER	0 / 8	**P**										U			
	4-CHLORO-3-METHYLPHENOL	0 / 8	P										U			
	4-CHLOROANILINE	0 / 8	P										U			
	4-CHLOROPHENYL-PHENYLETHER	0 / 8	**P**										U			
	4-METHYLPHENOL	0 / 8	P										P			
	4-NITROANILINE	0 / 8	U										U			
	4-NITROPHENOL	0 / 8	P										U			
	7,12-DIMETHYLBENZ(A)ANTHRACENE	0 / 5	**P**										**P**			
	ACENAPHTHENE	0 / 8	P										**P**			
	ACENAPHTHYLENE	0 / 8	P										**P**			
	ANTHRACENE	0 / 8	**F (ND)**										**P**			
	BENZO(A)ANTHRACENE	0 / 8	**F (ND)**										**P**			
	BENZO(A)PYRENE	0 / 8	**F (ND)**										**P**			
	BENZO(B)FLUORANTHENE	0 / 8	**P**										**P**			
	BENZO(G,H,I)PERYLENE	0 / 8	**P**										**N (ND)**			
	BENZO(K)FLUORANTHENE	0 / 8	**P**										**P**			
	BENZOIC ACID	0 / 8	**P**										U			
	BENZYL ALCOHOL	0 / 8	**P**										U			
	BIS(2-CHLOROETHOXY)METHANE	0 / 8	P										U			
	BIS(2-CHLOROETHYL)ETHER	0 / 8	P										U			
	BIS(2-CHLOROISOPROPYL)ETHER	0 / 8	U										U			
	BIS(2-ETHYLHEXYL)PHTHALATE	1 / 8	P										P			
	BUTYLBENZYL PHTHALATE	0 / 8	**P**										**P**			
	CHRYSENE	0 / 8	**F (ND)**										**P**			
	DIBENZ(A,H)ANTHRACENE	0 / 8	**F (ND)**										**P**			
	DIBENZOFURAN	0 / 8	**P**										U			
	DIETHYLPHTHALATE	0 / 8	**P**										P			
	DIMETHYLPHTHALATE	0 / 8	**P**										P			
	DI-N-BUTYLPHTHALATE	2 / 8	**P**										**P**			
	DI-N-OCTYL PHTHALATE	0 / 8	**P**										**L-(ND)**			
	FLUORANTHENE	0 / 8	P										**P**			
	FLUORENE	0 / 8	**P**										**P**			
	HEXACHLOROBENZENE	0 / 8	P										**P**			
	HEXACHLOROBUTADIENE	0 / 9	**F (ND)**										U			
	HEXACHLOROCYCLOPENTADIENE	0 / 8	P										U			
	HEXACHLOROETHANE	0 / 8	P										U			
	INDENO(1,2,3-CD)PYRENE	0 / 8	**P**										**P**			
	ISOPHORONE	0 / 8	P										U			
	NAPHTHALENE	0 / 9	P										**P**			
	NITROBENZENE	0 / 8	P										U			
	N-NITROSO-DI-N-PROPYLAMINE	0 / 8	P										U			
	N-NITROSODIPHENYLAMINE	0 / 8	P										U			
	PENTACHLOROPHENOL	0 / 8	**P**										**P**			
	PHENANTHRENE	0 / 8	**P**										**P**			
	PHENOL	0 / 8	P										U			
	PYRENE	0 / 8	**P**										**P**			
	PYRIDINE	0 / 8	P										U			
	Organics (VOCs)															
	1,1,1,2-TETRACHLOROETHANE	0 / 1	P										P			
	1,1,1-TRICHLOROETHANE	0 / 9	P										P			
	1,1,2,2-TETRACHLOROETHANE	0 / 9	P										P			
	1,1,2-TRICHLOROETHANE	0 / 9	P										P			
	1,1-DICHLOROETHANE	0 / 9	P										P			
	1,1-DICHLOROETHENE	0 / 9	P										P			
	1,1-DICHLOROPROPENE	0 / 1	P										P			
	1,2,3-TRICHLOROPROPANE	0 / 1	U										P			
	1,2,4-TRIMETHYLBENZENE	0 / 1	P										P			
	1,2-DIBROMO-3-CHLOROPROPANE	0 / 1	U										U			
	1,2-DIBROMOETHANE	0 / 1	P										P			
	1,2-DIBROMOMETHANE	0 / 1	P										U			
	1,2-DICHLOROETHANE	0 / 9	P										P			
	1,2-DICHLOROPROPANE	0 / 9	P										P			
	1,3,5-TRIMETHYLBENZENE	0 / 1	P										U			
	1,3-DICHLOROPROPANE	0 / 1	P										P			
	2,2-DICHLOROPROPANE	0 / 1	P										P			
	2-BUTANONE	0 / 8	P										U			
	2-CHLOROETHYL VINYL ETHER	0 / 8	U										U			
	2-CHLOROTOLUENE	0 / 1	P										U			
	2-HEXANONE	0 / 8	P										U			
	4-CHLOROTOLUENE	0 / 1	P										U			
	4-METHYL-2-PENTANONE	0 / 8	P										U			

Table 4-24
Summary of Parameter Outcome
Site-Wide Screening Level ERA for the CPCPRC Site

Media	Analyte	DF	Marine	Freshwater Aquatic Organisms: AES	Freshwater Aquatic Organisms: Pond	Freshwater Aquatic Organisms: Channel	Benthic Invertebrates: AES	Benthic Invertebrates: Pond	Benthic Invertebrates: Channel	Great Blue Heron: AES	Great Blue Heron: Pond	Great Blue Heron: Channel	Great Blue Heron: Beach	Black-necked Stilt: AES	Black-necked Stilt: Pond	Black-necked Stilt: Channel
	ACETONE	2 / 8	P										P			
	BENZENE	1 / 9	P										P			
	BROMOBENZENE	0 / 1	P										U			
	BROMOCHLOROMETHANE	0 / 1	P										U			
	BROMODICHLOROMETHANE	0 / 9	P										U			
	BROMOFORM	0 / 9	P										U			
	BROMOMETHANE	0 / 9	P										U			
	CARBON DISULFIDE	2 / 8	**P**										U			
	CARBON TETRACHLORIDE	0 / 9	P										U			
	CHLOROBENZENE	0 / 9	P										P			
	CHLOROETHANE	0 / 9	U										U			
	CHLOROFORM	0 / 9	P										U			
	CHLOROMETHANE	0 / 9	U										U			
	CIS-1,2-DICHLOROETHENE	0 / 1	P										P			
	CIS-1,3-DICHLOROPROPENE	0 / 9	P										P			
	DIBROMOCHLOROMETHANE	0 / 9	P										U			
	DICHLORODIFLUOROMETHANE	0 / 1	U										U			
	ETHYLBENZENE	0 / 9	P										P			
	ISOPROPYLBENZENE	0 / 1	P										P			
	METHANE	3 / 4	U										U			
	METHYLENE CHLORIDE	1 / 9	P										U			
	N-BUTYLBENZENE	0 / 1	P										P			
	N-PROPYLBENZENE	0 / 1	P										P			
	O-XYLENE	1 / 6	P										P			
	P-ISOPROPYLTOLUENE	0 / 1	P										P			
	SEC-BUTYLBENZENE	0 / 1	P										P			
	STYRENE	0 / 9	P										P			
	TERT-BUTYL METHYL ETHER	3 / 8	P										U			
	TERT-BUTYLBENZENE	0 / 1	P										P			
	TETRACHLOROETHENE	0 / 9	P										U			
	TOLUENE	1 / 9	P										P			
	TRANS-1,2-DICHLOROETHENE	0 / 9	P										P			
	TRANS-1,3-DICHLOROPROPENE	0 / 9	P										P			
	TRICHLOROETHENE	0 / 9	P										P			
	TRICHLOROFLUOROMETHANE	0 / 1	U										U			
	VINYL ACETATE	0 / 8	P										U			
	VINYL CHLORIDE	0 / 9	P										U			
	XYLENES (TOTAL)	2 / 9	P										P			
	General Chemistry Parameters															
	ALKALINITY, BICARB.	9 / 9	U										U			
	ALKALINITY, CARB.	0 / 9	U										U			
	ALKALINITY, TOTAL	8 / 8	U										U			
	AMMONIA AS NH3	5 / 7	U										U			
	CALCIUM	5 / 5	U										U			
	CALCIUM, DISSOLVED	7 / 7	U										U			
	CALCIUM, TOTAL	3 / 3	U										U			
	CHLORIDE	9 / 9	U										U			
	NITRATE AS N	2 / 9	**P**										U			
	NITRITE AS N	0 / 8	**P**										U			
	NITROGEN, TOTAL	1 / 1	F										U			
	NITROGEN-TKN	5 / 7	**P**										U			
	ORTHOPHOSPHATE AS P	7 / 8	U										U			
	PH	5 / 5	P										U			
	PHOSPHORUS	3 / 3	F										P			
	PHOSPHORUS, TOTAL	4 / 5	F										U			
	POTASSIUM	6 / 6	U										U			
	POTASSIUM, DISSOLVED	7 / 7	U										U			
	POTASSIUM, TOTAL	3 / 3	U										U			
	SALINITY	3 / 2	U										U			
	SODIUM	6 / 6	U										U			
	SODIUM, DISSOLVED	7 / 7	U										U			
	SODIUM, TOTAL	3 / 3	U										U			
	SULFATE	8 / 8	U										U			
	SULFIDE	5 / 7	U										U			
	TOTAL DISSOLVED SOLIDS	9 / 9	U										U			
	TOTAL ORGANIC CARBON	5 / 7	U										U			
	TOTAL SOLIDS (RESIDUE)	5 / 5	U										U			
	TOTAL SUSPENDED SOLIDS	5 / 5	U										U			
Sediment																
	Metals															
LS	Antimony	13 / 56					**P**	**P**	**P**					U	U	U
LS	Arsenic	72 / 83					P	P	P					P	P	P
LS	Barium	80 / 83					U	U	U					P	P	P
LS	Beryllium	8 / 72					U	U	U					U	U	U
LS	Cadmium	38 / 83					**U**	**U**	**P**					**P**	**N**	**P**
LS	Chromium	80 / 83					**P**	F	F					**P**	L	L
LS	Chromium (VI)	13 / 51					U	U	U					**P**	**P**	**P**
LS	Cobalt	53 / 57					P	P	P					P	P	P
LS	Copper	69 / 72					**U**	**U**	**U**					P	P	P
LS	Iron	69 / 69					U	U	U					L	L	L
LS	Lead	83 / 83					**P**	**P**	**P**					**P**	**N**	**P**
LS	Magnesium	63 / 63					U	U	U					U	U	U
LS	Manganese	69 / 69					F	F	F					**P**	**P**	**P**
LS	Mercury	46 / 83					**P**	**U**	**P**					**P**	**P**	**P**
LS	Nickel	67 / 72					**P**	F	F					**P**	**P**	**P**
LS	Selenium	18 / 75					U	U	U					**P**	**P**	**P**
LS	Silver	0 / 36					**--**	**P**	**U (NSV) ND**					P	P	P
LS	Tin	0 / 3					U	U	U					**-**	**P**	**N (ND)**
LS	Vanadium	70 / 72					U	U	U					P	P	P
LS	Zinc	70 / 72					**P**	F	**U**					**P**	**N**	**P**
	Organics (PCBs)															
	Aroclor-1016	0 / 25					**--**	**P**	**P**					**-**	**P**	**P**
	Aroclor-1221	0 / 24					**--**	**P**	**P**					**-**	**P**	**P**
	Aroclor-1232	0 / 24					**--**	**P**	**P**					**-**	**P**	**P**
	Aroclor-1242	0 / 26					**--**	**P**	**P**					**-**	**P**	**P**
	Aroclor-1248	3 / 26					**--**	**P**	**P**					**-**	**P**	**P**
	Aroclor-1254	0 / 26					**--**	**P**	**P**					**-**	**P**	**P**
	Aroclor-1260	1 / 25					**--**	**P**	**P**					**-**	**P**	**P**
	Organics (SVOCs)															
	1,2,3-Trichlorobenzene	0 / 2					P	P	P					P	P	P
	1,2,4-Trichlorobenzene	0 / 81					P	P	P					**P**	**P**	**L-(ND)**
	1,2-Dichlorobenzene	0 / 82					**U (NSV) ND**	**P**	**P**					P	P	P
	1,2-Diphenylhydrazine	0 / 4					U	U	U					U	U	U
	1,3-Dichlorobenzene	0 / 82					**P**	**P**	**P**					P	P	P
	1,4-Dichlorobenzene	0 / 81					**U (NSV) ND**	**P**	**P**					P	P	P
	2,4,5-Trichlorophenol	0 / 73					**U (NSV) ND**	**P**	**U (NSV) ND**					U	U	U
	2,4,6-Trichlorophenol	1 / 73					**U (NSV)**	**P**	**U (NSV)**					U	U	U
	2,4-Dichlorophenol	0 / 73					**U (NSV) ND**	**P**	**U (NSV) ND**					U	U	U
	2,4-Dimethylphenol	0 / 73					**U (NSV) ND**	**P**	**U (NSV) ND**					U	U	U
	2,4-Dinitrophenol	0 / 73					**U (NSV) ND**	**U (NSV) ND**	**U (NSV) ND**					U	U	U
	2,4-Dinitrotoluene	0 / 79					**U (NSV) ND**	**U (NSV) ND**	**U (NSV) ND**					U	U	U
	2,6-Dinitrotoluene	0 / 80					**U (NSV) ND**	**U (NSV) ND**	**U (NSV) ND**					U	U	U
	2-Chloronaphthalene	0 / 80					**U (NSV) ND**	**P**	**P**					U	U	U
	2-Chlorophenol	0 / 72					**U (NSV) ND**	**U (NSV) ND**	**U (NSV) ND**					U	U	U

Table 4-24
Summary of Parameter Outcome
Site-Wide Screening Level ERA for the CPCPRC Site

Media	Analyte	DF	Marine	Freshwater Aquatic Organisms AES	Freshwater Aquatic Organisms Pond	Freshwater Aquatic Organisms Channel	Benthic Invertebrates AES	Benthic Invertebrates Pond	Benthic Invertebrates Channel	Great Blue Heron AES	Great Blue Heron Pond	Great Blue Heron Channel	Great Blue Heron Beach	Black-necked Stilt AES	Black-necked Stilt Pond	Black-necked Stilt Channel
	2-Methylnaphthalene	0 / 76					U (NSV) ND	P	U (NSV) ND					P	P	P
	2-Methylphenol	0 / 73					U (NSV) ND	U (NSV) ND	U (NSV) ND					P	P	P
	2-Nitroaniline	0 / 76					U	U	U					U	U	U
	2-Nitrophenol	0 / 73					U	U	U					U	U	U
	3,3'-Dichlorobenzidine	0 / 80					U (NSV) ND	P	U (NSV) ND					U	U	U
	3-Nitroaniline	0 / 76					U	U	U					U	U	U
	4,6-Dinitro-2-methylphenol	0 / 73					U (NSV) ND	P	U (NSV) ND					U	U	U
	4-Bromophenyl phenylether	0 / 80					P	P	P					U	U	U
	4-Chloro-3-methylphenol	0 / 72					U (NSV) ND	P	P					U	U	U
	4-Chloroaniline	0 / 76					U (NSV) ND	P	U (NSV) ND					U	U	U
	4-Chlorophenyl-phenylether	0 / 80					P	P	P					U	U	U
	4-Methylphenol	0 / 73					U (NSV) ND	U (NSV) ND	U (NSV) ND					P	P	P
	4-Nitroaniline	0 / 76					U	U	U					U	U	U
	4-Nitrophenol	0 / 72					U	U	U					U	U	U
	7,12-Dimethylbenz(a)anthracene	0 / 25					P	P	P					P	L-(ND)	L-(ND)
	9H-Carbazole	0 / 6					U	U	U					U	U	U
	Acenaphthene	0 / 79					U (NSV) ND	P	U (NSV) ND					P	P	P
	Acenaphthylene	0 / 80					U (NSV) ND	P	U (NSV) ND					P	P	P
	Anthracene	0 / 80					U (NSV) ND	U	U					P	P	N (ND)
	Benzidine	0 / 4					U	U	U					U	U	U
	Benzo(a)anthracene	0 / 80					U (NSV) ND	P	U					P	P	P
	Benzo(a)pyrene	8 / 80					U (NSV)	U	U					P	P	P
	Benzo(b)fluoranthene	8 / 80					P	P	P					P	P	P
	Benzo(g,h,i)perylene	11 / 80					U (NSV)	U	U					L-(ND)	L	L
	Benzo(k)fluoranthene	0 / 80					U (NSV) ND	P	U (NSV) ND					L (ND)	L-(ND)	L (ND)
	Benzoic acid	1 / 72					U	U	U					U	U	U
	Benzyl alcohol	0 / 72					U (NSV) ND	U (NSV) ND	U (NSV) ND					U	U	U
	Bis(2-chloroethoxy)methane	0 / 80					U	U	U					U	U	U
	Bis(2-chloroethyl)ether	0 / 80					P	P	P					U	U	U
	Bis(2-chloroisopropyl)ether	0 / 80					P	P	P					U	U	U
	Bis(2-ethylhexyl)phthalate	1 / 80					U (NSV)	U (NSV)	U (NSV)					tain (No LOA	-(no LOAE	N-(no LOAEL)
	Butylbenzyl phthalate	0 / 80					P	P	P					L-(ND)	L-(ND)	L (ND)
	Chrysene	8 / 80					U (NSV)	U	U					P	P	P
	Dibenz(a,h)anthracene	2 / 80					U (NSV)	U (NSV)	U (NSV)					P	P	P
	Dibenzofuran	0 / 76					P	P	P					U	U	U
	Diethylphthalate	0 / 80					U (NSV) ND	P	P					N (ND)	P	L-(ND)
	Dimethylphthalate	0 / 80					P	P	P					P	#N/A	#N/A
	Di-n-butylphthalate	1 / 80					P	P	P					L-(ND)	L-(ND)	L (uncertain)
	Di-n-octyl phthalate	0 / 80					P	P	P					L-(ND)	L-(ND)	L-(ND)
	Fluoranthene	0 / 80					U (NSV) ND	P	P					P	P	P
	Fluorene	3 / 80					U (NSV)	F	U					P	P	P
	Hexachlorobenzene	0 / 80					U (NSV) ND	U (NSV) ND	U (NSV) ND					L-(ND)	L-(ND)	L-(ND)
	Hexachlorobutadiene	0 / 82					U (NSV) ND	U (NSV) ND	U (NSV) ND					U	U	U
	Hexachlorocyclopentadiene	0 / 80					U (NSV) ND	P	P					U	U	U
	Hexachloroethane	0 / 80					P	P	P					U	U	U
	Indeno(1,2,3-CD)pyrene	5 / 80					U (NSV)	U	U					P	P	P
	Isophorone	0 / 80					U (NSV) ND	P	P					U	U	U
	Naphthalene	0 / 82					U (NSV) ND	P	U					P	P	P
	Nitrobenzene	0 / 80					U (NSV) ND	P	U (NSV) ND					U	U	U
	n-nitroso-1-propyl-1-propanamine	0 / 79					U	U	U					U	U	U
	n-Nitrosodimethylamine	0 / 4					U	U	U					U	U	U
	n-Nitrosodiphenylamine	0 / 80					U	U	U					U	U	U
	Pentachlorophenol	0 / 72					P	P	P					L-(ND)	N (ND)	L-(ND)
	Phenanthrene	4 / 80					U (NSV)	U	U					N (ND)	N (ND)	N (ND)
	Phenol	0 / 72					U (NSV) ND	U (NSV) ND	U (NSV) ND					U	U	U
	Pyrene	5 / 79					U (NSV)	P	U					P	P	P
	Pyridine	1 / 66					U (NSV)	P	U (NSV)					U	U	U
	Total PAHs	11 / 60					U (NSV)	U	U					--	--	--
	PAH HI	- / -					--	--	--					L (ND)	L	L

Table 4-24
Summary of Parameter Outcome
Site-Wide Screening Level ERA for the CPCPRC Site

Media	Analyte	DF	Marine	Freshwater Aquatic Organisms AES	Freshwater Aquatic Organisms Pond	Freshwater Aquatic Organisms Channel	Benthic Invertebrates AES	Benthic Invertebrates Pond	Benthic Invertebrates Channel	Great Blue Heron AES	Great Blue Heron Pond	Great Blue Heron Channel	Great Blue Heron Beach	Black-necked Stilt AES	Black-necked Stilt Pond	Black-necked Stilt Channel
Organics (VOCs)																
	1,1,1,2-Tetrachloroethane	0 / 2					P	P	P					P	P	P
	1,1,1-Trichloroethane	14 / 81					**P**	**P**	**P**					P	P	P
	1,1,2,2-Tetrachloroethane	0 / 81					**P**	**P**	**P**					P	P	P
	1,1,2-Trichloroethane	0 / 81					**P**	**P**	**P**					P	P	P
	1,1,2-Trichlorotrifluoroethane	0 / 2					U	U	U					U	U	U
	1,1-Dichloroethane	1 / 81					**U (NSV)**	**U (NSV)**	**U (NSV)**					P	P	P
	1,1-Dichloroethene	0 / 80					**P**	**P**	**P**					P	P	P
	1,1-Dichloropropene	0 / 2					P	P	P					P	P	P
	1,2,3-Trichloropropane	0 / 2					P	P	P					P	P	P
	1,2,4-Trimethylbenzene	0 / 2					P	P	P					P	P	P
	1,2-Dibromo-3-chloropropane	0 / 2					U	U	U					U	U	U
	1,2-Dibromoethane	0 / 2					--	--	**U (NSV) ND**					P	P	P
	1,2-Dibromomethane	0 / 2					U	U	U					U	U	U
	1,2-Dichloroethane	2 / 81					**P**	**P**	**P**					P	P	P
	1,2-Dichloroethene (total)	0 / 4					P	P	P					P	P	P
	1,2-Dichloropropane	0 / 81					**P**	**P**	**P**					P	P	P
	1,3,5-Trimethylbenzene	0 / 2					P	P	P					U	U	U
	1,3-Dichloropropane	0 / 2					P	P	P					P	P	P
	2,2-Dichloropropane	0 / 2					P	P	P					P	P	P
	2-Butanone	27 / 81					**P**	**P**	**U (NSV)**					U	U	U
	2-Chloroethyl vinyl ether	0 / 77					U	U	U					U	U	U
	2-Chlorotoluene	0 / 2					P	P	P					U	U	U
	2-Hexanone	0 / 81					**P**	**P**	**P**					U	U	U
	4-Chlorotoluene	0 / 2					P	P	P					U	U	U
	4-Methyl-2-pentanone	0 / 81					**U (NSV) ND**	**P**	**U (NSV) ND**					U	U	U
	Acetone	50 / 81					**U (NSV)**	**U (NSV)**	**U (NSV)**					P	P	P
	Acrolein	0 / 2					--	--	**U (NSV) ND**					U	U	U
	Acrylonitrile	0 / 2					--	--	**U (NSV) ND**					U	U	U
	Benzene	7 / 80					**P**	**P**	**P**					**P**	**P**	**N-(no LOAEL)**
	Bromobenzene	0 / 2					P	P	P					U	U	U
	Bromochloromethane	0 / 2					--	--	**U (NSV) ND**					U	U	U
	Bromodichloromethane	1 / 81					**U (NSV)**	**U (NSV)**	**U (NSV)**					U	U	U
	Bromoethane	0 / 2					--	--	**ND (NSV)**					U	U	U
	Bromoform	0 / 81					**P**	**P**	**P**					U	U	U
	Bromomethane	0 / 81					**U (NSV) ND**	**U (NSV) ND**	**U (NSV) ND**					U	U	U
	Carbon disulfide	20 / 81					**P**	**U (NSV)**	**P**					U	U	U
	Carbon tetrachloride	0 / 81					**P**	**P**	**P**					U	U	U
	Chlorobenzene	0 / 80					**P**	**P**	**P**					**P**	**P**	**N**
	Chloroethane	0 / 81					**U (NSV) ND**	**U (NSV) ND**	**U (NSV) ND**					U	U	U
	Chloroform	0 / 81					**P**	**P**	**P**					U	U	U
	Chloromethane	0 / 81					**U (NSV) ND**	**U (NSV) ND**	**U (NSV) ND**					U	U	U
	cis-1,2-Dichloroethene	0 / 2					P	P	P					P	P	P
	cis-1,3-Dichloropropene	0 / 81					**P**	--	**P**					P	P	P
	Dibromochloromethane	0 / 81					**U (NSV) ND**	**U (NSV) ND**	**U (NSV) ND**					U	U	U
	Ethylbenzene	0 / 81					**P**	**P**	**P**					**P**	**P**	**N-(no LOAEL)**
	Iodomethane	0 / 2					--	--	**U (NSV) ND**					U	U	U
	Isopropylbenzene	0 / 2					P	P	P					P	P	P
	Methylene chloride	7 / 81					**P**	**P**	**P**					U	U	U
	n-Butylbenzene	0 / 2					P	P	P					P	P	P
	n-Propylbenzene	0 / 2					P	P	P					P	P	P
	o-Xylene	3 / 27					P	P	P					P	P	P
	p-Isopropyl toluene	0 / 2					P	P	P					P	P	P
	sec-Butylbenzene	0 / 2					P	P	P					P	P	P
	Styrene	0 / 81					**P**	**P**	**P**					P	P	P
	tert-Butyl methyl ether	2 / 54					U	U	U					U	U	U
	tert-Butylbenzene	0 / 2					P	P	P					P	P	P
	Tetrachloroethene	1 / 81					**P**	**P**	**P**					U	U	U
	Toluene	6 / 80					**P**	**P**	**P**					P	P	P
	Trans-1,2-Dichloroethene	0 / 77					**P**	**P**	**P**					P	P	P
	Trans-1,3-Dichloropropene	0 / 81					**P**	--	**P**					P	P	P
	Trans-1,4-dichloro-2-butene	0 / 2					U	U	U					U	U	U
	Trichloroethene	0 / 80					**P**	**P**	**P**					P	P	P
	Trichlorofluoromethane	0 / 2					U	U	U					U	U	U
	Vinyl acetate	1 / 81					**U (NSV)**	**P**	**U (NSV)**					U	U	U
	Vinyl chloride	0 / 81					**P**	**P**	**P**					U	U	U
	Xylenes (total)	5 / 81					**P**	**P**	**P**					**P**	**P**	**P**

Table 4-24
Summary of Parameter Outcome
Site-Wide Screening Level ERA for the CPCPRC Site

Media	Analyte	DF	Marine	Freshwater Aquatic Organisms AES	Freshwater Aquatic Organisms Pond	Freshwater Aquatic Organisms Channel	Benthic Invertebrates AES	Benthic Invertebrates Pond	Benthic Invertebrates Channel	Great Blue Heron AES	Great Blue Heron Pond	Great Blue Heron Channel	Great Blue Heron Beach	Black-necked Stilt AES	Black-necked Stilt Pond	Black-necked Stilt Channel
	General Chemistry Parameters															
	Acid Volatile Sulfide	4 / 4					U	U	U					U	U	U
	Calcium	63 / 63					U	U	U					U	U	U
	Cyanide	0 / 19					--	U (NSV) ND	U (NSV) ND					P	P	P
	pH	42 / 42					U	U	U					U	U	U
	Potassium	40 / 63					U	U	U					U	U	U
	Sodium	40 / 63					U	U	U					U	U	U
Surface Wat	Total Organic Carbon	35 / 35					U	U	U					U	U	U
	Metals															
	Antimony, Dissolved	0 / 44		**P**	**P**	**F (ND)**				U	U	U	--			
	Arsenic, Dissolved	3 / 44		P	P	P				P	P	P	--			
	Barium, Dissolved	41 / 47		**F**	**F**	**F**				P	P	P	--			
	Beryllium, Dissolved	0 / 44		**F (ND)**	**F (ND)**	**F (ND)**				U	U	U	--			
	Cadmium, Dissolved	0 / 44		**F (ND)**	**P**	**F (ND)**				**L (ND)**	**P**	**L-(ND)**	--			
	Chromium (VI), Dissolved	0 / 31		P	P	P				P	P	P	--			
	Chromium, Dissolved	1 / 44		P	P	P				P	P	P	--			
	Cobalt, Dissolved	1 / 32		**P**	**P**	**F (ND)**				P	P	P	--			
	Copper, Dissolved	0 / 44		P	P	P				P	P	P	--			
	Iron, Dissolved	16 / 28		**P**	**P**	**F**				P	P	P	--			
	Lead, Dissolved	3 / 44		**P**	**P**	**F (ND)**				P	P	P	--			
	Magnesium, Dissolved	28 / 28		U	U	U				U	U	U	--			
	Manganese, Dissolved	36 / 40		**F**	**P**	**F**				P	P	P	--			
	Mercury, Dissolved	1 / 41		P	P	P				**P**	**P**	**P**	--			
	Nickel, Dissolved	20 / 44		**P**	**P**	**F**				P	P	P	--			
	Selenium, Dissolved	6 / 44		**F (ND)**	**P**	**P**				**N (ND)**	**P**	**L**	--			
	Silver, Dissolved	0 / 22		--	**F (ND)**	**F (ND)**				P	P	P	--			
	Thallium, Dissolved	0 / 4		--	--	**F (ND)**				--	--	**L-(ND)**	--			
	Vanadium, Dissolved	24 / 44		**P**	**F**	**F**				P	P	P	--			
	Zinc, Dissolved	32 / 44		P	P	P				P	P	P	--			
	Organics (PCBs)															
	Aroclor-1016	0 / 11		--	**F (ND)**	**F (ND)**				--	**N (ND)**	**N (ND)**	--			
	Aroclor-1221	0 / 11		--	**P**	**F (ND)**				--	**L-(ND)**	**L-(ND)**	--			
	Aroclor-1232	0 / 11		P	P	P				--	**L-(ND)**	**L-(ND)**	--			
	Aroclor-1242	0 / 11		--	**F (ND)**	**F (ND)**				--	**N (ND)**	**N (ND)**	--			
	Aroclor-1248	0 / 11		--	**F (ND)**	**F (ND)**				--	**L-(ND)**	**L-(ND)**	--			
	Aroclor-1254	0 / 11		--	**F (ND)**	**F (ND)**				--	**L-(ND)**	**L-(ND)**	--			
	Aroclor-1260	0 / 11		P	P	P				--	**L-(ND)**	**L-(ND)**	--			
	PCBs HI			--	--	--				--	**L-(ND)**	**L-(ND)**	--			
	Organics (SVOCs)															
	1,2,4-Trichlorobenzene	0 / 48		**P**	**P**	**P**				P	P	P	--			
	1,2-Dichlorobenzene	0 / 48		**P**	**P**	**P**				P	P	P	--			
	1,3-Dichlorobenzene	0 / 48		**P**	**P**	**P**				P	P	P	--			
	1,4-Dichlorobenzene	0 / 48		**F (ND)**	**P**	**F (ND)**				P	P	P	--			
	2,4,5-Trichlorophenol	0 / 43		**F (ND)**	**P**	**F (ND)**				U	U	U	--			
	2,4,6-Trichlorophenol	0 / 43		**F (ND)**	**F (ND)**	**F (ND)**				U	U	U	--			
	2,4-Dichlorophenol	0 / 43		**P**	**P**	**P**				U	U	U	--			
	2,4-Dimethylphenol	0 / 43		**P**	**P**	**P**				U	U	U	--			
	2,4-Dinitrophenol	0 / 43		**F (ND)**	**P**	**F (ND)**				U	U	U	--			
	2,4-Dinitrotoluene	0 / 48		**P**	**P**	**P**				U	U	U	--			
	2,6-Dinitrotoluene	0 / 48		**P**	**P**	**P**				U	U	U	--			
	2-Chloronaphthalene	0 / 48		**F (ND)**	**F (ND)**	**F (ND)**				U	U	U	--			
	2-Chlorophenol	0 / 43		**P**	**P**	**P**				U	U	U	--			
	2-Methylnaphthalene	0 / 45		P	P	P				P	P	P	--			
	2-Methylphenol	0 / 43		**P**	**P**	**P**				P	P	P	--			
	2-Nitroaniline	0 / 45		U	U	U				U	U	U	--			
	2-Nitrophenol	0 / 43		**P**	**P**	**P**				U	U	U	--			
	3,3'-Dichlorobenzidine	0 / 48		**F (ND)**	**P**	**F (ND)**				U	U	U	--			
	3-Nitroaniline	0 / 45		U	U	U				U	U	U	--			
	4,6-Dinitro-2-methylphenol	0 / 43		**F (ND)**	**P**	**F (ND)**				U	U	U	--			
	4-Bromophenyl phenylether	0 / 48		**F (ND)**	**F (ND)**	**F (ND)**				U	U	U	--			
	4-Chloro-3-methylphenol	0 / 43		**P**	**P**	**P**				U	U	U	--			
	4-Chloroaniline	0 / 45		P	P	P				U	U	U	--			
	4-Chlorophenyl-phenylether	0 / 48		**F (ND)**	**F (ND)**	**F (ND)**				U	U	U	--			
	4-Methylphenol	1 / 42		P	P	P				P	P	P	--			
	4-Nitroaniline	0 / 45		U	U	U				U	U	U	--			
	4-Nitrophenol	0 / 43		**P**	**P**	**P**				U	U	U	--			

Table 4-24
Summary of Parameter Outcome
Site-Wide Screening Level ERA for the CPCPRC Site

Media	Analyte	DF	Marine	Freshwater Aquatic Organisms			Benthic Invertebrates			Great Blue Heron				Black-necked Stilt		
				AES	Pond	Channel	AES	Pond	Channel	AES	Pond	Channel	Beach	AES	Pond	Channel
	7,12-Dimethylbenz(a)anthracene	0 / 18		--	F (ND)	F (ND)				-	--	N (ND)	--			
	Acenaphthene	0 / 48		P	P	F (ND)				P	--	P	--			
	Acenaphthylene	0 / 48		P	P	P				P	--	P	--			
	Anthracene	0 / 48		F (ND)	F (ND)	F (ND)				P	--	P	--			
	Benzo(a)anthracene	0 / 48		F (ND)	F (ND)	F (ND)				N (ND)	--	L-(ND)	--			
	Benzo(a)pyrene	0 / 48		F (ND)	F (ND)	F (ND)				P	--	P	--			
	Benzo(b)fluoranthene	0 / 48		F (ND)	P	F (ND)				P	--	P	--			
	Benzo(g,h,i)perylene	0 / 48		F (ND)	P	F (ND)				L (ND)	--	L-(ND)	--			
	Benzo(k)fluoranthene	0 / 48		F (ND)	P	F (ND)				L (ND)	--	L-(ND)	--			
	Benzoic acid	0 / 40		F (ND)	P	F (ND)				U	U	U	--			
	Benzyl alcohol	0 / 41		F (ND)	P	F (ND)				U	U	U	--			
	Bis(2-chloroethoxy)methane	0 / 48		U	U	U				U	U	U	--			
	Bis(2-chloroethyl)ether	0 / 48		P	P	P				U	U	U	--			
	Bis(2-chloroisopropyl)ether	0 / 48		U	U	U				U	U	U	--			
	Bis(2-ethylhexyl)phthalate	3 / 48		F (ND)	F	F				P	P	P	--			
	Butylbenzyl phthalate	1 / 48		P	P	P				L-(ND)	N (ND)	N (ND)	--			
	Chrysene	0 / 48		F (ND)	F (ND)	F (ND)				P	--	--	--			
	Dibenz(a,h)anthracene	0 / 48		F (ND)	F (ND)	F (ND)				P	--	--	--			
	Dibenzofuran	0 / 45		F (ND)	P	F (ND)				U	U	U	--			
	Diethylphthalate	0 / 48		P	P	P				P	P	P	--			
	Dimethylphthalate	0 / 48		P	P	P				P	P	P	--			
	Di-n-butylphthalate	4 / 48		P	P	P				L-(ND)	P	N (ND)	--			
	Di-n-octyl phthalate	0 / 48		P	P	P				L-(ND)	L-(ND)	L-(ND)	--			
	Fluoranthene	0 / 48		F (ND)	P	F (ND)				P	--	--	--			
	Fluorene	0 / 48		F (ND)	P	F (ND)				P	--	--	--			
	Hexachlorobenzene	0 / 48		F (ND)	F (ND)	F (ND)				L-(ND)	N (ND)	L-(ND)	--			
	Hexachlorobutadiene	0 / 48		F (ND)	F (ND)	F (ND)				U	U	U	--			
	Hexachlorocyclopentadiene	0 / 48		P	P	P				U	U	U	--			
	Hexachloroethane	0 / 48		F (ND)	P	F (ND)				U	U	U	--			
	Indeno(1,2,3-CD)pyrene	0 / 48		F (ND)	P	F (ND)				P	--	--	--			
	Isophorone	0 / 48		P	P	P				U	U	U	--			
	Naphthalene	0 / 48		P	P	F (ND)				P	--	--	--			
	Nitrobenzene	0 / 48		P	P	P				U	U	U	--			
	n-nitroso-1-propyl-1-propanamine	0 / 47		P	P	P				U	U	U	--			
	n-Nitrosodiphenylamine	0 / 48		P	P	P				U	U	U	--			
	Pentachlorophenol	0 / 42		F (ND)	P	F (ND)				N (ND)	P	N (ND)	--			
	Phenanthrene	0 / 48		F (ND)	P	F (ND)				P	--	--	--			
	Phenol	0 / 41		P	P	P				U	U	U	--			
	Pyrene	0 / 48		F (ND)	F (ND)	F (ND)				P	--	--	--			
	Pyridine	0 / 41		P	P	P				U	U	U	--			
	PAHs HI	-- / --		--	--	--				L-(ND)	P	L-(ND)	P			
Organics (VOCs)																
	1,1,1-Trichloroethane	0 / 50		P	P	P				P	P	P	--			
	1,1,2,2-Tetrachloroethane	0 / 50		P	P	P				P	P	P	--			
	1,1,2-Trichloroethane	0 / 50		P	P	P				P	P	P	--			
	1,1-Dichloroethane	0 / 50		P	P	P				P	P	P	--			
	1,1-Dichloroethene	0 / 50		P	P	P				P	P	P	--			
	1,2-Dichloroethane	0 / 50		P	P	P				P	P	P	--			
	1,2-Dichloroethene (total)	0 / 4		P	P	P				P	P	P	--			
	1,2-Dichloropropane	0 / 50		P	P	P				P	P	P	--			
	2-Butanone	1 / 50		P	P	P				U	U	U	--			
	2-Chloroethyl vinyl ether	0 / 46		U	U	U				U	U	U	--			
	2-Hexanone	0 / 47		P	P	P				U	U	U	--			
	4-Methyl-2-pentanone	0 / 47		P	P	P				U	U	U	--			
	Acetone	6 / 50		P	P	P				P	P	P	--			
	Benzene	12 / 71		P	P	P				P	P	P	--			
	Bromodichloromethane	1 / 50		U	U	U				U	U	U	--			
	Bromoform	0 / 50		P	P	P				U	U	U	--			
	Bromomethane	0 / 50		P	P	P				U	U	U	--			
	Carbon disulfide	3 / 50		F (ND)	F (ND)	F				U	U	U	--			
	Carbon tetrachloride	0 / 50		P	P	P				U	U	U	--			
	Chlorobenzene	0 / 50		P	P	P				P	P	P	--			
	Chloroethane	0 / 50		U	U	U				U	U	U	--			
	Chloroform	1 / 50		P	P	P				U	U	U	--			
	Chloromethane	0 / 50		U	U	U				U	U	U	--			
	cis-1,3-Dichloropropene	0 / 50		P	P	P				P	P	P	--			
	Dibromochloromethane	0 / 50		P	P	P				U	U	U	--			
	Ethylbenzene	5 / 74		P	P	P				P	P	P	--			
	Methane	22 / 31		U	U	U				U	U	U	--			
	Methylene chloride	4 / 50		P	P	P				U	U	U	--			
	o-Xylene	1 / 26		--	P	P				P	P	P	--			
	Styrene	0 / 47		P	P	P				P	P	P	--			
	tert-Butyl methyl ether	6 / 34		U	U	U				U	U	U	--			
	Tetrachloroethene	0 / 50		P	P	P				U	U	U	--			
	Toluene	8 / 74		P	P	P				P	P	P	--			
	Trans-1,2-Dichloroethene	0 / 46		P	P	P				P	P	P	--			
	Trans-1,3-Dichloropropene	0 / 50		P	P	P				P	P	P	--			
	Trichloroethene	0 / 50		P	P	P				P	P	P	--			
	Vinyl acetate	0 / 47		P	P	F (ND)				U	U	U	--			
	Vinyl chloride	0 / 50		P	P	P				U	U	U	--			
	Xylenes (total)	9 / 74		P	P	P				P	P	P	--			

Table 4-24
Summary of Parameter Outcome
Site-Wide Screening Level ERA for the CPCPRC Site

Media	Analyte	DF	Marine	Freshwater Aquatic Organisms AES	Pond	Channel	Benthic Invertebrates AES	Pond	Channel	Great Blue Heron AES	Pond	Channel	Beach	Black-necked Stilt AES	Pond	Channel
	General Chemistry Parameters															
	Alkalinity, Bicarb.	41 / 41		U	U	U				U	U	U	--			
	Alkalinity, Carb.	0 / 41		U	U	U				U	U	U	--			
	Alkalinity, Total	29 / 29		F	F	F				U	U	U	--			
	Ammonia as NH3	17 / 29		U	U	U				U	U	U	--			
	Ammonia as NH3, Total	12 / 12		--	--	F				U	U	U	--			
	AVS Distillation	0 / 4		U	U	U				U	U	U	--			
	Calcium	38 / 38		U	U	U				U	U	U	--			
	Calcium, Dissolved	28 / 28		U	U	U				U	U	U	--			
	Calcium, Total	11 / 11		U	U	U				U	U	U	--			
	Chloride	41 / 41		F	P	F				U	U	U	--			
	Nitrate as N	15 / 41		P	P	F				U	U	U	--			
	Nitrite as N	13 / 41		F (ND)	P	F				U	U	U	--			
	Nitrogen-TKN	35 / 41		F	F	F				U	U	U	--			
	Orthophosphate as P	34 / 38		U	U	U				U	U	U	--			
	pH	18 / 18		P	P	P				U	U	U	--			
	Phosphorus	20 / 20		U	U	U				P	P	P	--			
	Phosphorus, Total	19 / 21		--	F	--				U	U	U	--			
	Potassium	31 / 38		U	U	U				U	U	U	--			
	Potassium, Dissolved	19 / 28		U	U	U				U	U	U	--			
	Potassium, Total	4 / 11		U	U	U				U	U	U	--			
	Salinity	3 / 3		U	U	U				U	U	U	--			
	Sodium	37 / 37		U	U	U				U	U	U	--			
	Sodium, Dissolved	28 / 28		U	U	U				U	U	U	--			
	Sodium, Total	11 / 11		U	U	U				U	U	U	--			
	Sulfate	37 / 41		U	U	U				U	U	U	--			
	Sulfide	22 / 38		U	U	U				U	U	U	--			
	Sulfide, Total	0 / 3		U	U	U				U	U	U	--			
	Total Dissolved Solids	41 / 41		U	U	U				U	U	U	--			
	Total Organic Carbon	41 / 41		U	U	U				U	U	U	--			
	Total Solids (residue)	18 / 18		U	U	U				U	U	U	--			
	Total Suspended Solids	16 / 18		--	P	F				U	U	U	--			

DF = Detection Frequency
ND = COPEC not determined to pose a potential risk to receptor because SEV exceedance based on non-detects
"--" = Not measured
Blank Cells are not applicable
Initial Assessment
U = uncertainty
P = Passed Initial Evaluation; did not exceed low-SEV
F = COPEC could not be excluded from presenting a potential risk to receptor
Refined Assessment
P = Passed Refined Evaluation; did not exceed either high- or low-SEV
U = The potential for risks could not be excluded but is uncertain
(NSV) ND = non-detected concentration exceeded the low-SEV; however, no high-SEV was available and it was retained as an uncertainty
Det (NSV) = detected concentration exceeded the low-SEV; however, no high-SEV was available and it was retained as an uncertainty
N = NOAEL Exceedance in Refinement; No determination of potential risk
L = LOAEL Exceedance; potential for risk could not be excluded
L-Pass = Low-SEV or LOAEL exceeded, but analyte determined not to pose a risk to receptor
L-(ND) = Low-SEV or LOAEL exceeded, but analyte determined not to pose a risk to receptor because potential for risk based on non-detects

Photographs

AES AREA

BEACH AREA

DITCH AREA

EFFLUENT CHANNEL AREA

HOLDING POND AREA

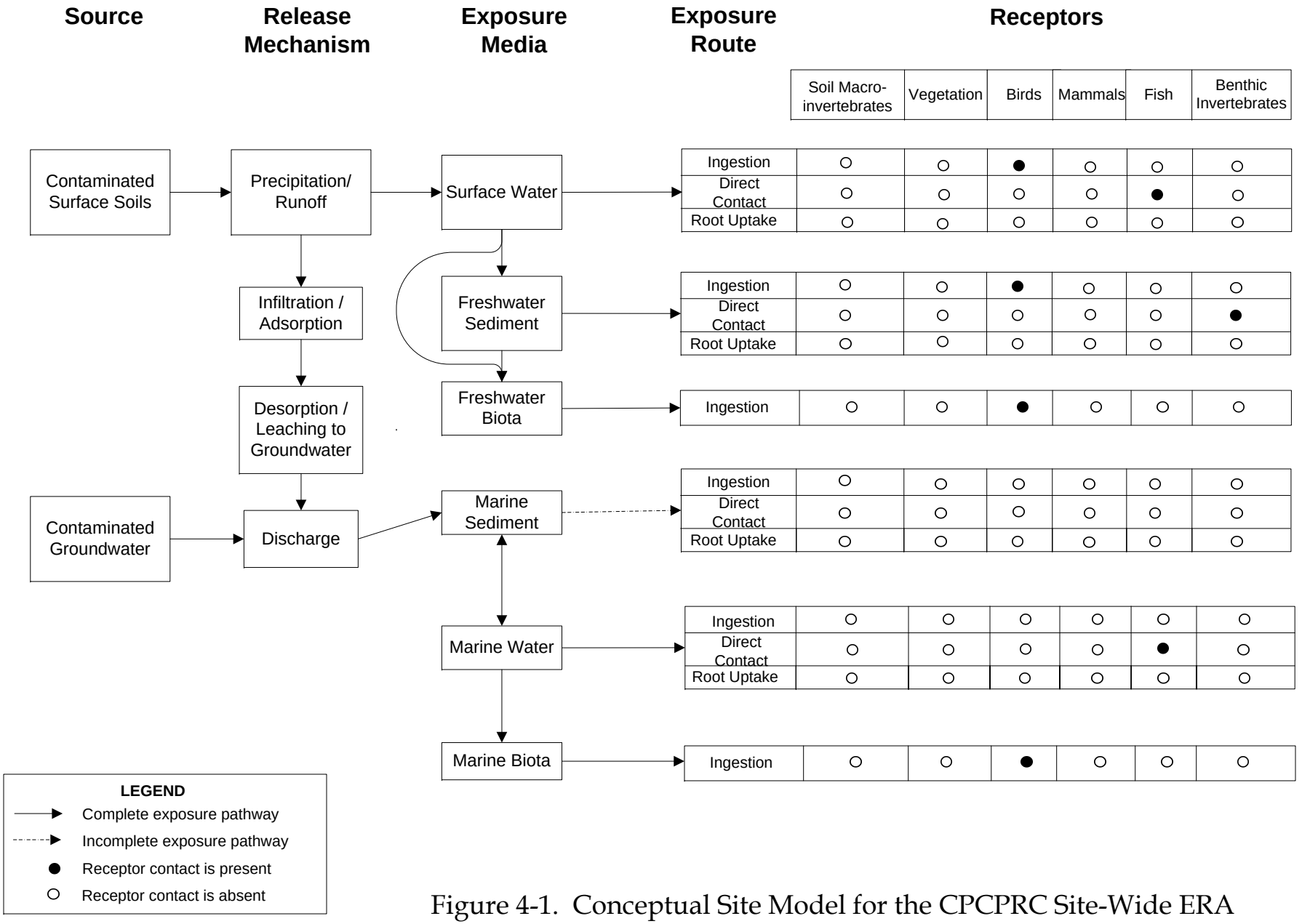

Figure 4-1. Conceptual Site Model for the CPCPRC Site-Wide ERA

MW-109
MW-108
MW-102
MW-101
MW-113
MW-112
MW-13R
MW-111
MW-141
MW-51
GP-408
AES Administration Building
GP-412
MW-50
MW-132*
GP-405
MW-165*
AES Coal Conveyance Tunnel
MW-131*
GP-403
MW-162*
MW-163*
AES Coal Storage Area
MW-48
GP-404
MW-164*
GP-411
GP-406
GP-410
GP-407
MW-52
GP-409
MW-WP-6
GP-414
GP-398
MW-166
GP-417
GP-416
N
0 225 450 675 Feet

Legend

- Mareas Area
- CPC Admin Area
- AES Area
- * Abandoned November, 1999

August, 2004

Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure 2
Locations Used to Evaluate Potential
Vapor Migration Pathway

MW-105
MW-106D
MW-104
MW-51
AES Administration Building
MW-50
MW-134D*
MW-1R
MW-158
MW-159D
MW-165*
MW-28
MW-131*
AES Coal Conveyance Tunnel
MW-48
MW-162*
MW-163*
MW-164*
MW-52
MW-49
MW-3R
DITCH 1
MW-160
MW-161D
MW-133D
MW-130
SW-SW
MW-144
MW-30D
MW-27
Ditch 2
SW-NPDES2
MW-127
MW-146
SW-NPDES1
MW-129D
MW-19
MW-5R
MW-21D
MW-16
DITCH 3
MW-126
MW-43
DMW-1
SW-NPDES3
MW-46D
MW-142
MW-125
MW-128D
MW-143
MW-45D
DMW-3
MW-44
MW-47
MW-166
DMW-2
MW-25
MW-24
MW-22D
MW-18
MW-40
MW-124D
MW-122
MW-121
MW-123D
MW-17R
MW-42
MW-7R
DMW-4
MW-120
MW-29
MW-41
MW-119

N

0 200 400 600 Feet

Legend

- Deep Monitoring Location
- Shallow Monitoring Location
- Surface Water Monitoring Location
- * Abandoned November, 1999

Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure 2-1
Semiannual Monitoring Locations

August, 2004

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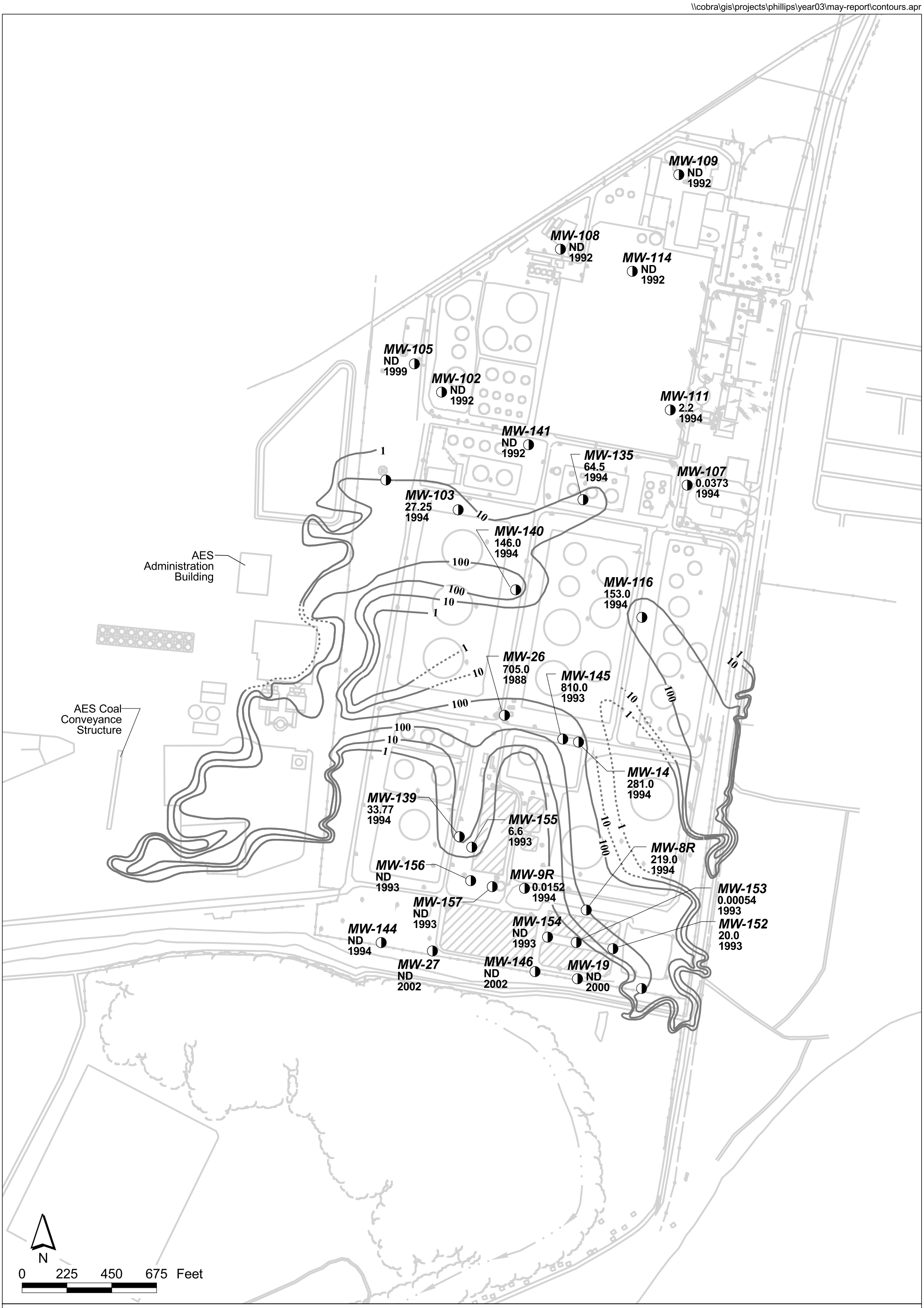

Legend

◑ Monitor Well

ND Indicates Benzene was not detected (Detection limits for NDs ranges from 0.0005 to 0.005 mg/L)

1994 Date of Benzene measurement

Contour of Benzene Concentration (mg/L)

August, 2004

Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure 2-2
Comprehensive View of Benzene in the
Upper Alluvial Aquifer

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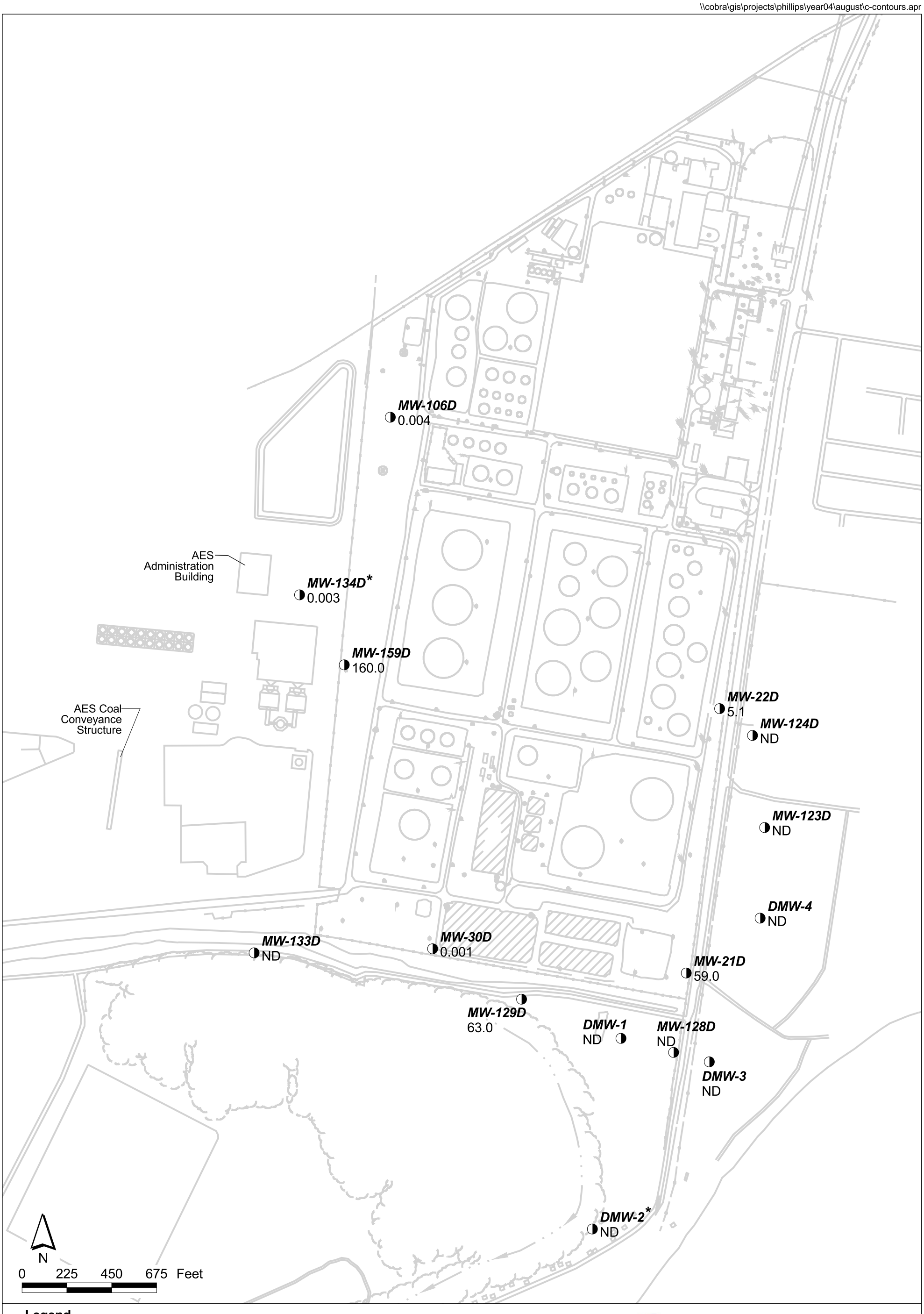

Legend

◑ Deep Ground Water Monitor Well and December 1999 Benzene Concentration Value (mg/L)

ND Indicates Benzene was not detected - Detection Limit 0.001 mg/L

* Benzene Value from June, 1999

Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure 2-3
Benzene Levels in the Lower
Alluvial Aquifer (mg/L) - December, 1999

August, 2004

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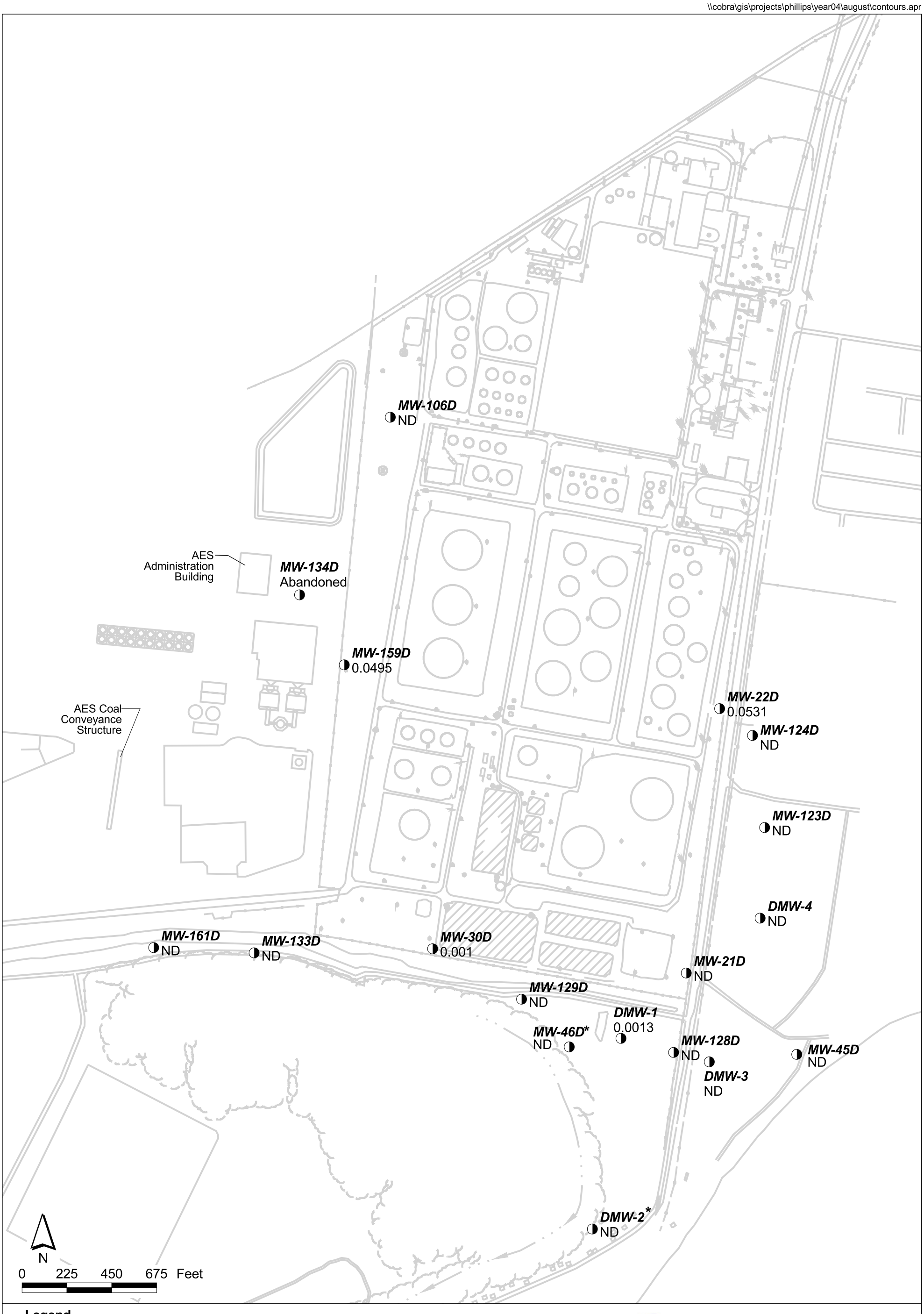


Legend

◑ Deep Ground Water Monitor Well and December 2003 Benzene Concentration Value (mg/L)

ND Indicates Benzene was not detected - Detection Limit 0.001 mg/L

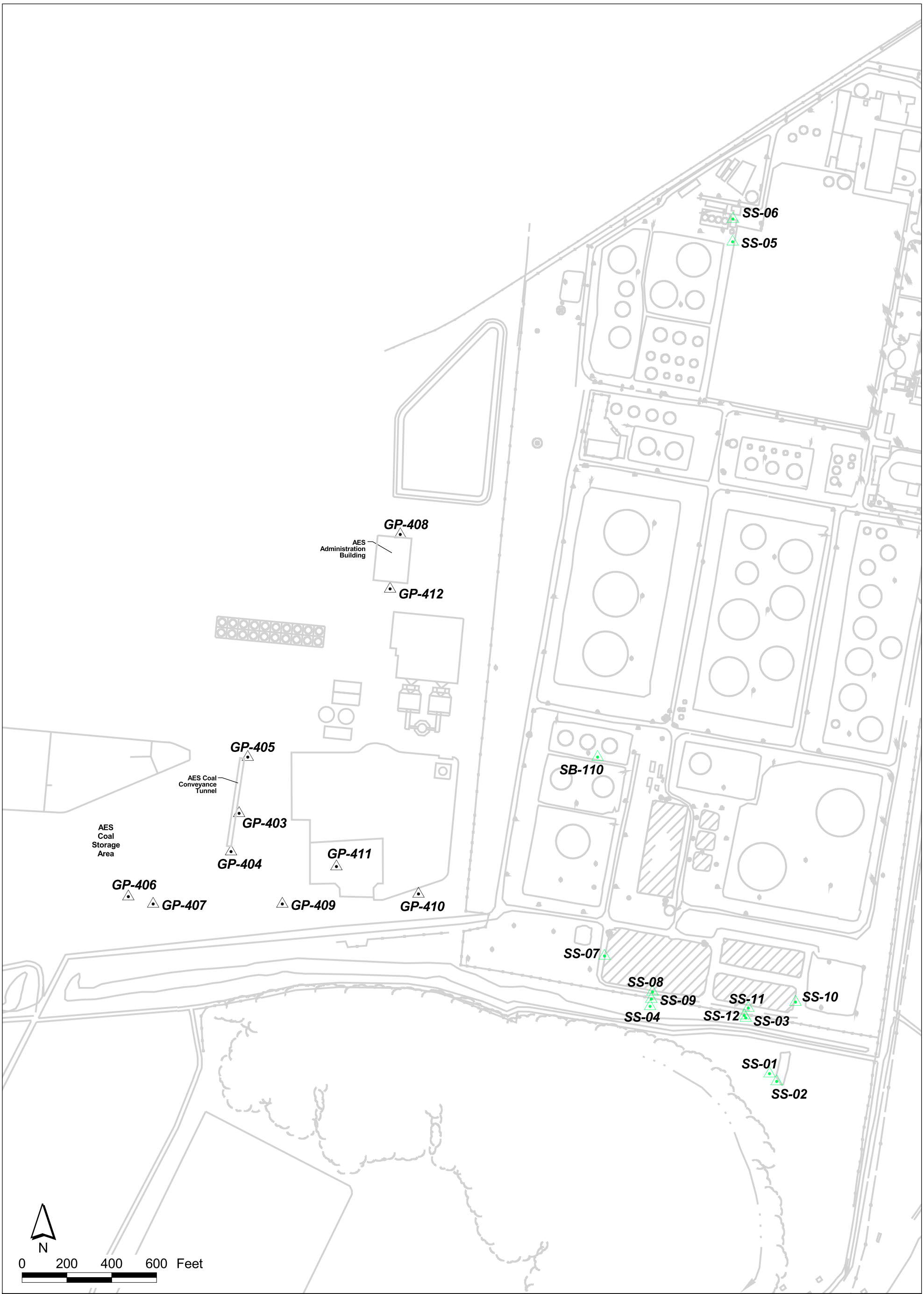
* Benzene Value is from July, 2003

Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure 2-4
Benzene Levels in the Lower
Alluvial Aquifer (mg/L) - December, 2003

August, 2004



Legend

- AES Area
- CPCPRC Area

Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure 3-4
Industrial Worker Exposure to
Surface Soils (IW_SS) Sample Locations
(0 to 2 feet sample interval)

August, 2004

SS-06
SS-05
GP-408
AES Administration Building
GP-412
GP-405
AES Coal Conveyance Tunnel
GP-403
AES Coal Storage Area
GP-404
GP-411
GP-406
GP-410
GP-407
GP-409
GP-396
GP-393
GP-397
GP-395
GP-394
SB-110
GP-399
GP-400
SS-07
SS-08
SS-09
SS-11
SS-10
SS-12
GP-401
SS-04
SS-03
MAW-5
MAW-3
SS-01
SS-02
MAW-4
GP-402
MAW-2
MAW-1
GP-415
GP-414
GP-398
GP-418
GP-417
GP-416
GP-413
N
0 225 450 675 Feet

Legend

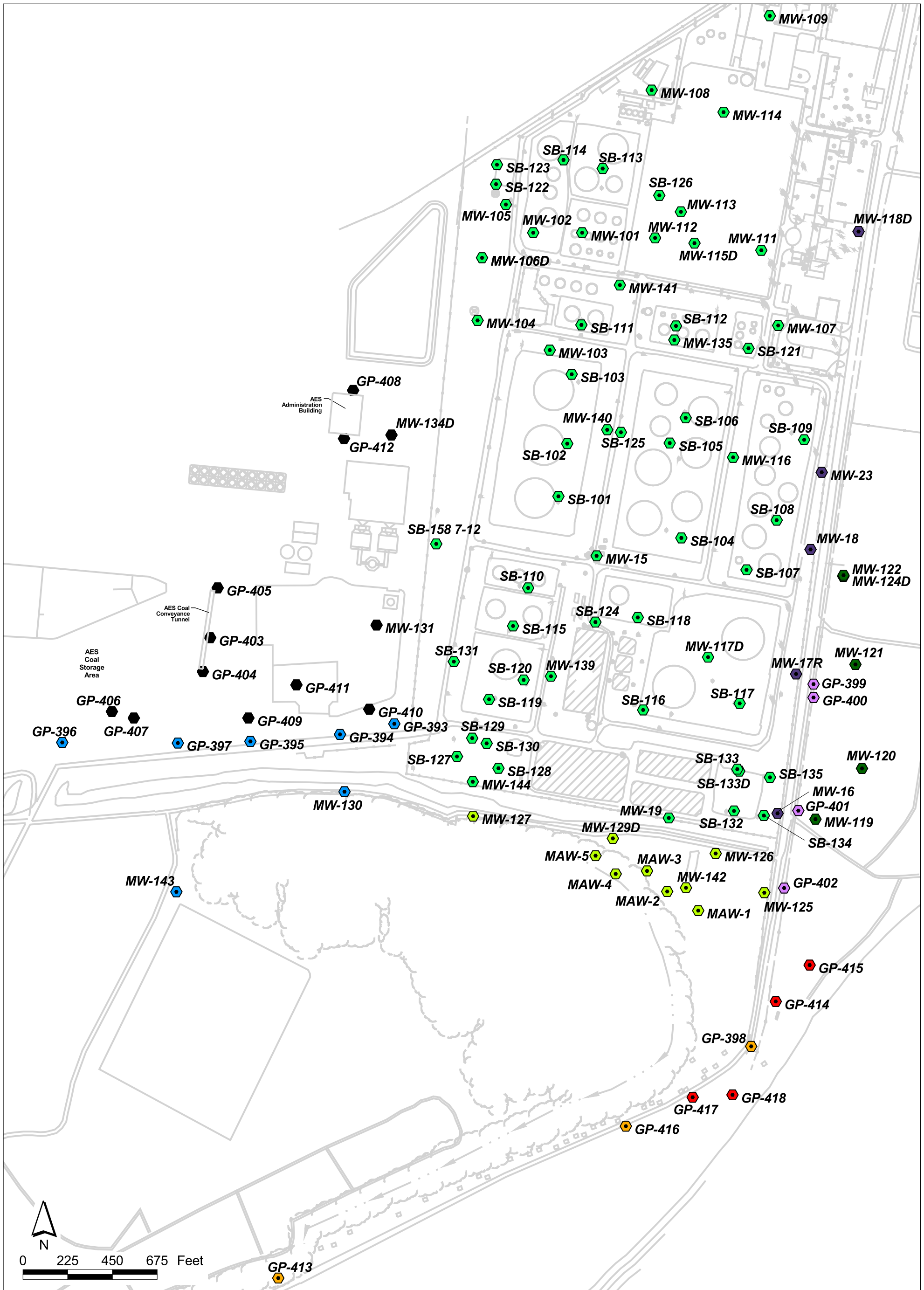
- CPCPRC Area
- West Area
- AES Area
- Beach Area
- Las Mareas Area
- PRASA Area
- South Area

August, 2004

Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure 3-5
Construction Worker Exposure to
Surface Soils (CW_SS) Sample Locations
(0 to 2 feet sample interval)



Legend

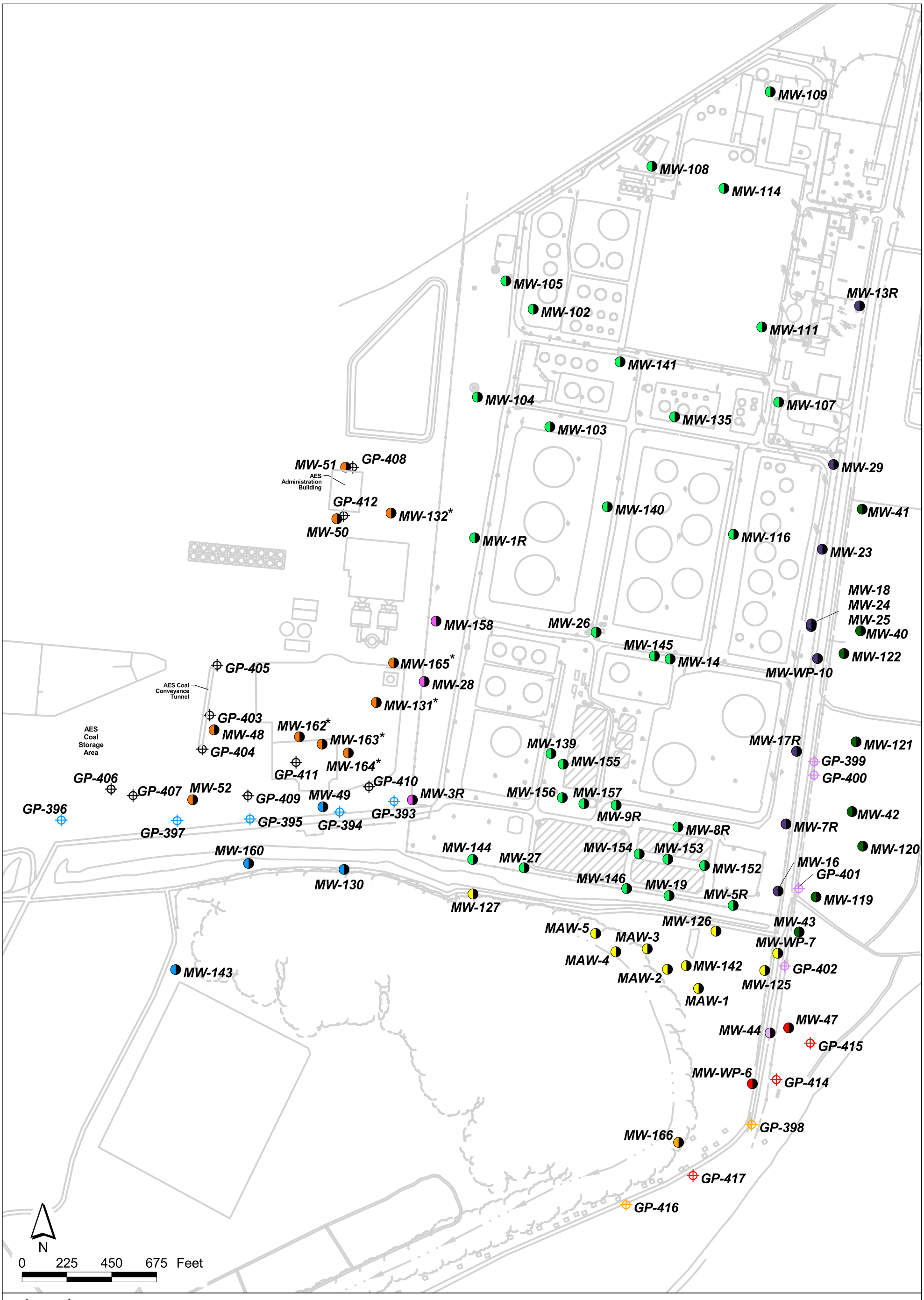
- CPCPRC Area
- West Area
- East Area
- East Boundary Area
- AES Area
- Las Mareas Area
- PRASA Area
- South Area
- Beach Area

August, 2004

Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure 3-6
Construction Worker Exposure to Subsurface Soils (CW_SB) Sample Locations (> 2 feet sample depth)



Legend

CPCPRC Area	East Area	Note:	
West Boundary Area	South Area	Indicates Monitoring Well	
West Area	Las Mareas Area	Indicates Temporary Well (Geoprobe Boring)	
AES Area	Beach Area	*	Well Abandoned November 1999
East Boundary Area	Prasa Area		

August, 2004

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Figure 3-7
Construction Worker Exposure to Shallow Groundwater (CW_GWS) Sample Locations

AES Coal Conveyance Tunnel

AES Coal Storage Area

HA-07 HA-08 HA-06 HA-10
HA-04 HA-02 HA-09
HA-05 HA-03 HA-01

SD-016
SD-008
SD-010 SD-006 SD-007
SD-009 SD-011 SD-017
SD-021

N
0 125 250 375 Feet

Legend

- CPCPRC Area
- AES Area

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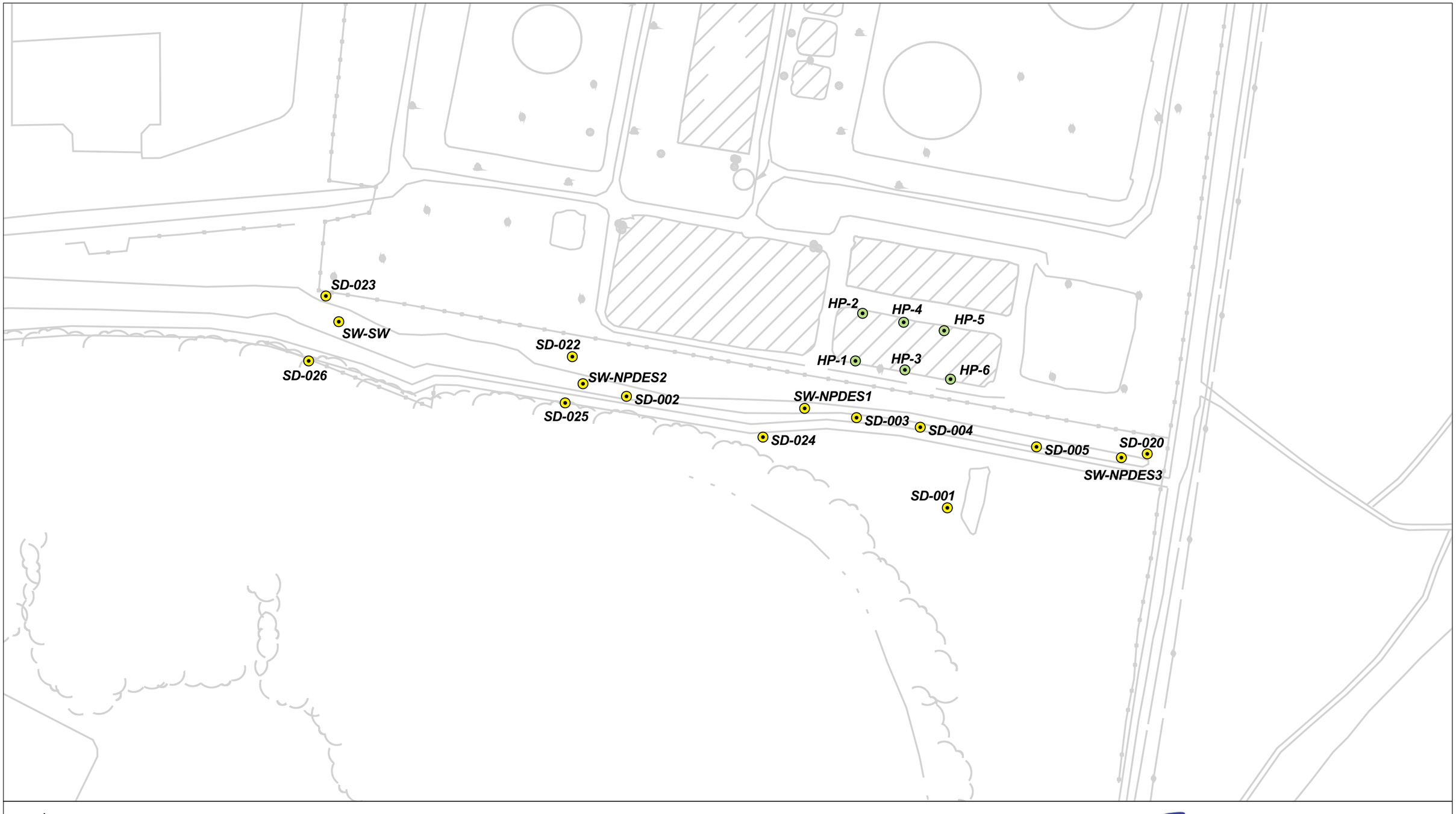
CPC Puerto Rico Core Inc.

Figure 3-8
Construction Worker Exposure to
Sediment (CW_SD) Sample Locations



N

0 100 200 300 Feet

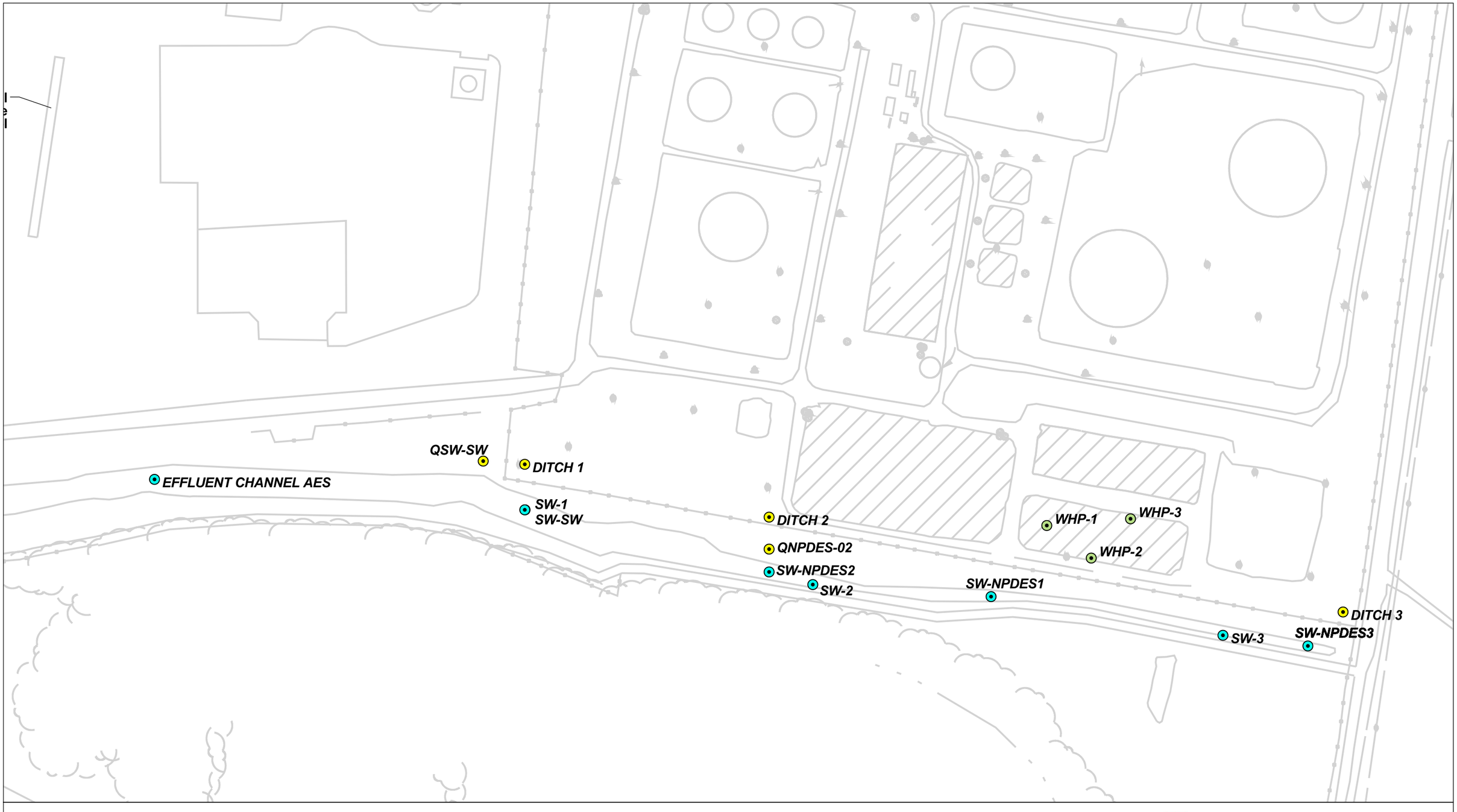
Legend

- Effluent Channel Area
- Holding Pond Area

Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure 3-9
Maintenance Worker Exposure to Sediment
in the Effluent Channel (MW_SD)



N

0 100 200 300 Feet

Legend

- Effluent Channel Area
- Ditch Area
- Holding Pond Area

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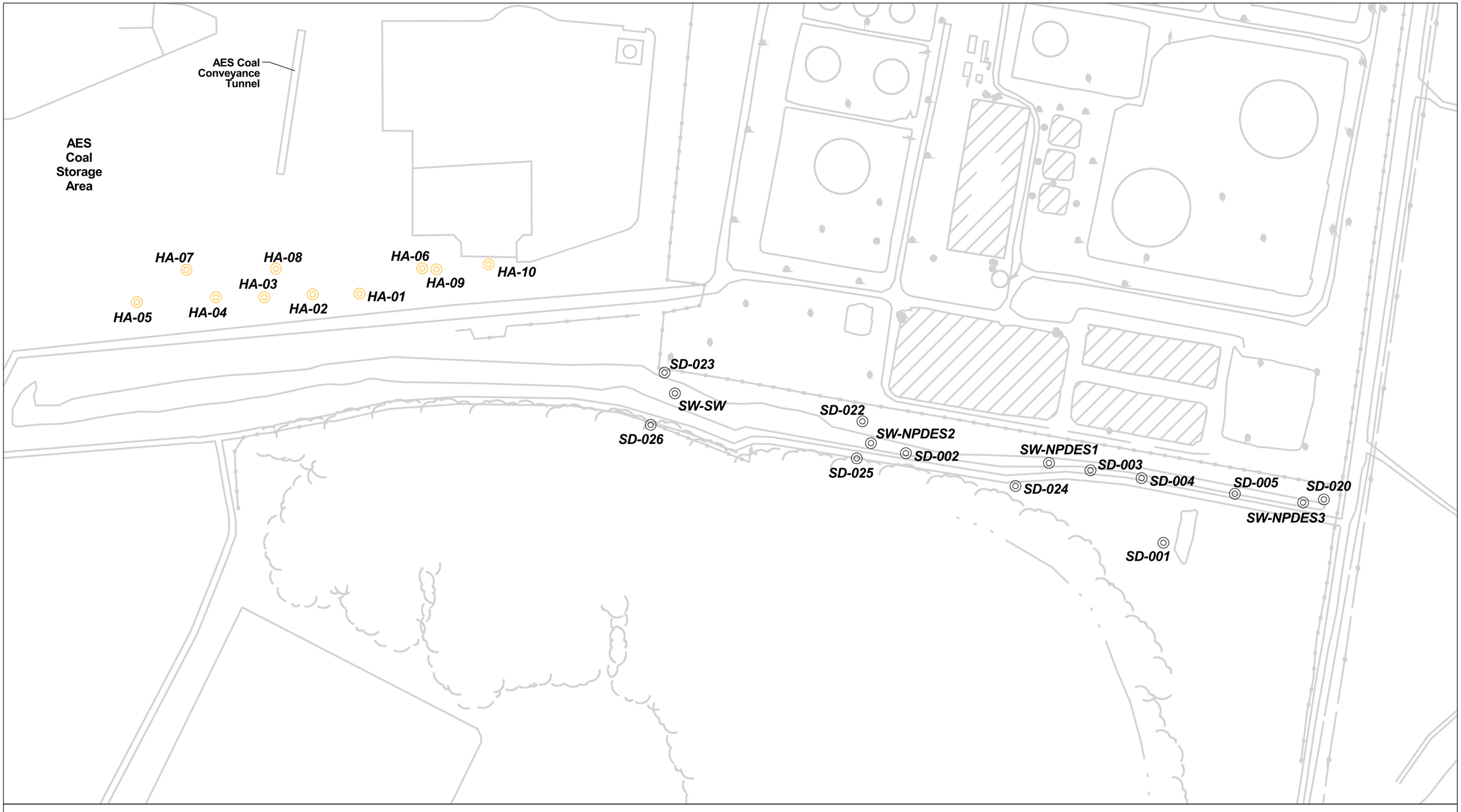
Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure 3-10
Maintenance Worker Exposure to
Effluent Channel Surface Water
(MW_SW) Locations



N

0 125 250 375 Feet

Legend

- Effluent Channel Area
- AES Area

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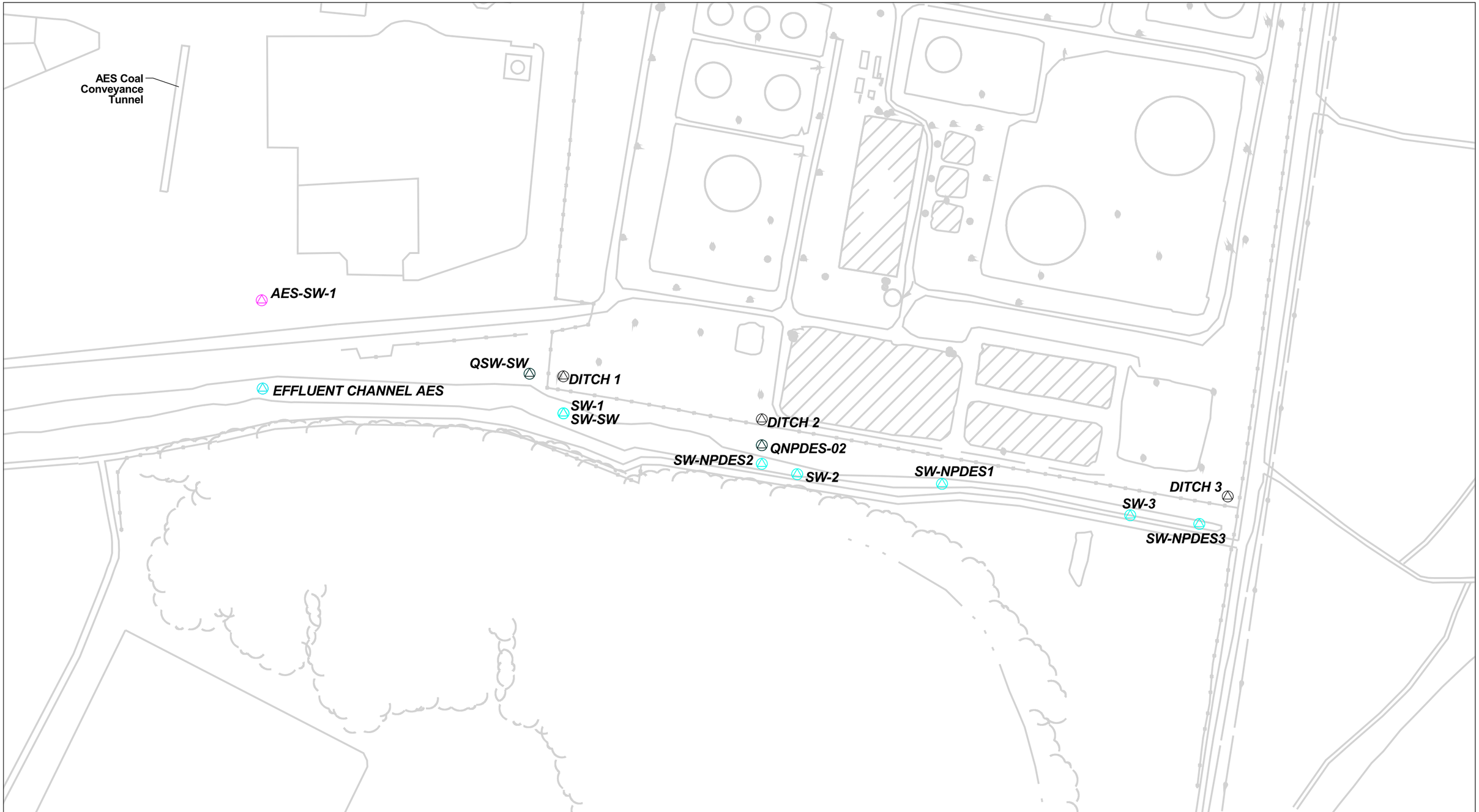
CPC Puerto Rico Core Inc.

Figure 3-11
Trespasser Exposure to Sediment
(TRES_SD) Locations



N

0 125 250 375 Feet

Legend

- Effluent Channel Area
- AES Area
- Ditch Area

August, 2004

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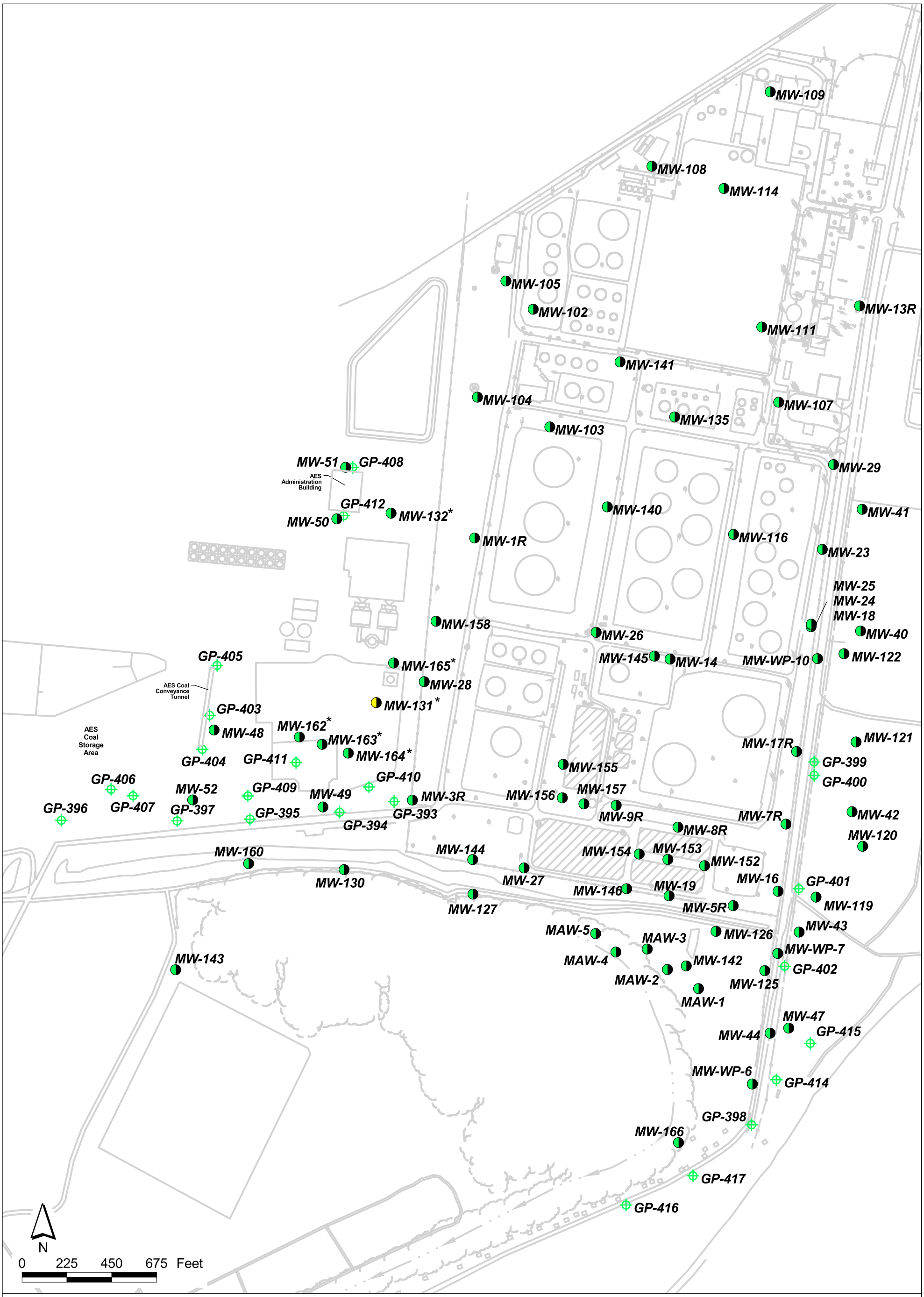
CPC Puerto Rico Core Inc.

Figure 3-12
Trespasser Exposure to Surface Water
(TRES_SW) Locations



Legend

- Monitor Well
- Geoprobe
- * Well Abandoned November 1999

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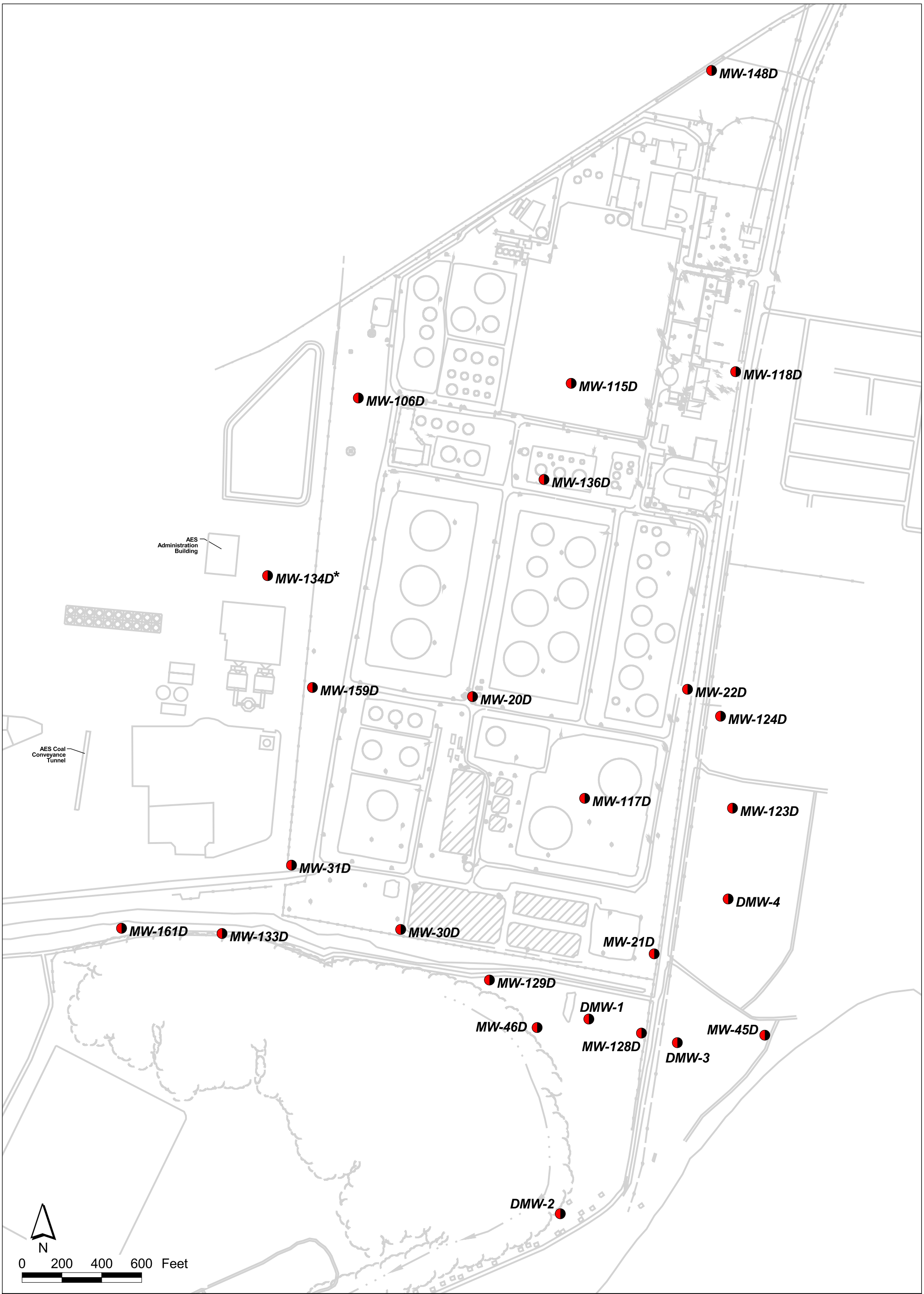
Figure 3-13
Residential Exposure to Shallow Groundwater (RES_GWS) Sample Locations

August, 2004



Legend

- Monitor Well
- * Well Abandoned in November, 1999

Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure 3-14
Residential Exposure to Deep Groundwater
(RES_GWD) Sample Locations

August, 2004

AES-SW-1

EFFLUENT CHANNEL AES

SW-1
SW-SW

SW-NPDES2

SW-2

SW-NPDES1

WHP-1

WHP-3

WHP-2

SW-3

SW-NPDES3

MW-47

GP-415

GP-414

MW-WP-6

GP-417

N

0 125 250 375 Feet

Legend

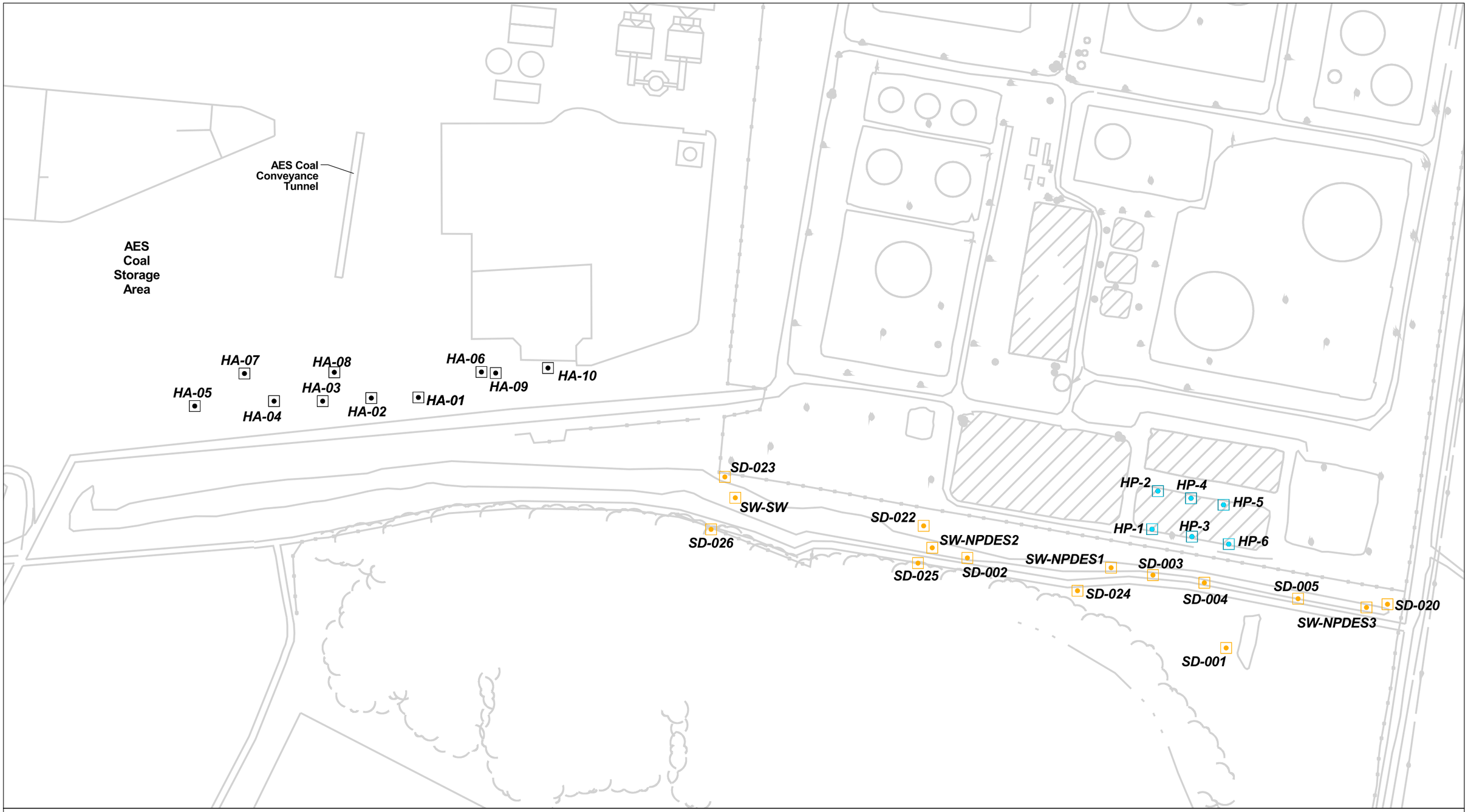
- AES Area
- Effluent Channel Area
- Holding Pond Area
- Beach Area

August, 2004

Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure 4-2
Ecological Receptor Exposure to
Surface Water (ECO_SW) Sample Locations



N

0 125 250 375 Feet

Legend

- Effluent Channel Area
- AES Area
- Holding Pond Area

August, 2004

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CPC Puerto Rico Core Inc.

Figure 4-3
Ecological Receptor Exposure to
Sediment (ECO_SD) Sample Locations

BK-SS-10
BK-SS-09
BK-SS-01
BK-SS-08
BK-SS-02
BK-SS-06
BK-SS-07
BK-SS-03
BK-SS-04
BK-SS-05
SS-06
SS-05
SS-07
SS-08
SS-09
SS-11
SS-10
SS-12
SS-04
SS-03
SS-01
SS-02
N
0 200 400 600 Feet

Legend

- Onsite Surface Soil Sample
- Background Surface Soil Sample

Chevron Phillips Chemical Company

CPC Puerto Rico Core Inc.

Figure A-1
Locations Used for the Background Soil Statistical Comparison

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597500 598000 598500 599000

43000 42500 42000 41500 41000 40500

GP-323 DRY
MW-105 ND
GP-324 DRY
GP-325 DRY
GP-326 DRY
GP-327 DRY
GP-328 DRY
GP-329 DRY
GP-346 DRY
GP-330 DRY
GP-344 DRY
GP-331 3.2
GP-355 6.2
GP-342 DRY
GP-347 DRY
GP-345 DRY
GP-341 DRY
GP-332 DRY
GP-356 8.9
GP-343 33.0
MW-104 3.3
GP-357 1.6
GP-348 DRY
GP-333 15.0
GP-359 3.3
GP-358 16.0
GP-334 0.012
GP-360 55.0
GP-363 0.021
GP-335 DRY
GP-361 27.0
GP-364 ND
GP-336 DRY
GP-365 ND
GP-337 DRY
GP-362 0.14
GP-366 42.0
GP-213 NA
GP-363 ND
GP-370 ND
MW-132 0.05
GP-338 350.0
GP-369 33.0
GP-367 81.0
GP-207 NA
GP-203 NA
GP-368 190.0
GP-204 NA
GP-205 NA
GP-206 NA
GP-255 580.0
MW-1R 0.083
GP-254 DRY
GP-253 530.0
GP-208 NA
GP-252 490.0
GP-297 DRY
MW-158 380.0
GP-251 DRY
GP-296 180.0
GP-187 170.0
GP-295 DRY
GP-250 170.0
GP-249 150.0
GP-293 16.0
GP-294 15.0
GP-291 61.0
GP-209 NA
GP-292 45.0
GP-289 5.6
GP-290 62.0
GP-191 230.0
GP-288 44.0
GP-190 150.0
GP-189 7.4
GP-188 450.0
GP-248 57.0
GP-247 320.0
GP-246 780.0
GP-192 520.0
GP-245 300.0
GP-244 76.0
GP-243 130.0
GP-242 51.0
MW-28 350.0
GP-241 0.059
GP-240 0.1
GP-239 290.0
GP-238 340.0
GP-237 320.0
GP-236 470.0
GP-235 0.13
GP-234 190.0
GP-233 0.014
GP-349 0.0012
GP-350 0.0069
GP-351 120.0
MW-164 14.0
MW-163 87.0
GP-353 74.0
GP-352 20.0
GP-411 0.29
GP-121 380.0
GP-124 480.0
GP-125 0.034
GP-126 520.0
GP-193 510.0
MW-165 420.0
GP-127 ND
GP-128 ND
GP-129 ND
GP-130 ND
GP-131 ND
MW-162 100.0
GP-354 0.019
GP-196 0.0023
GP-118 0.0021
GP-228 0.0014
GP-200 ND
GP-197 0.0028
GP-117 230.0
GP-198 0.67
GP-201 16.0
GP-116 120.0
GP-199 360.0
GP-202 0.079
GP-229 0.0005
GP-230 ND
GP-391 ND
GP-394 ND
GP-392 ND
GP-217 NA
GP-218 ND
GP-195 5.7
GP-194 210.0
GP-123 490.0
GP-120 0.01
GP-122 330.0
GP-119 ND
GP-371 ND
GP-372 ND
GP-375 ND
GP-376 ND
GP-216 NA
GP-215 NA
GP-214 NA
GP-377 ND
GP-382 ND
GP-381 ND
GP-378 ND
GP-379 ND
GP-212 NA
GP-211 NA
GP-380 ND
GP-210 NA
GP-383 0.007
GP-385 ND
GP-384 ND
MW-3R ND

1 10 100 1 10 100 10 1 1 10 100 100 10 1

AES Administration Building

AES Coal Conveyance Structure

Contour of Benzene Concentration (PPM)

1996 and 1997 Geoprobe Location and Benzene Value (mg/L)

September 1998 Geoprobe Location and Benzene Value (mg/L)

September and December 1999 Geoprobe Location and Benzene Value (mg/L)

Monitoring Well and December 1999 Benzene Value (mg/L)

NA Data Not Available

ND Value Below 0.005 mg/L

* Well Abaondoned in November 1999 - Benzene Value is from November 1999

N

0 50 100 150 200 Feet

1 Inch = 100 Feet

FILE/AML NAME:	Chevron Phillips Chemical Company	
DATE:	CPC Puerto Rico Core Inc.	
SCALE:	Plate 1 Distribution of Benzene in Upper Alluvial Groundwater - December 1999 West	DRAWN:
NO:		CHECKED:
REVISIONS:		APPROVED:

August, 2004

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600400 600600 600800 601000 601200

42000 41800 41600 41400 41200 41000 40800 40600

GP-150 ND
GP-277 ND
GP-165 ND
1
10
GP-278 1.1
GP-279 37.0
GP-280 23.0
GP-269 ND
GP-151 NA
GP-281 45.0
100
MW-25 190.0
MW-24 210.0
MW-18 190.0
GP-270 88.0
GP-282 6.2
GP-271 180.0
GP-283 12.0
GP-152 3.8
GP-166 0.0007
GP-272 360.0
GP-284 0.033
GP-285 ND
GP-273 550.0
GP-153 NA
MW-122 ND
GP-274 540.0
GP-286 0.01
GP-275 540.0
GP-154 NA
GP-167 ND
GP-276 380.0
GP-298 220.0
GP-155 NA
GP-299 230.0
GP-224 0.046
GP-220 NA
GP-300 51.0
GP-156 650.0
GP-168 0.08
GP-301 38.0
GP-302 44.0
GP-157 NA
GP-303 390.0
MW-121 0.004
GP-223 ND
GP-219 NA
MW-17R 210.0
GP-304 210.0
GP-158 7.4
GP-169 210.0
100
10
1
GP-227 ND
GP-305 15.0
GP-222 NA
GP-306 260.0
GP-159 NA
GP-226 ND
GP-307 10.0
GP-221 NA
GP-308 30.0
GP-160 0.0019
GP-225 0.0079

- VISM SYSTEM -

Contour of Benzene Concentration (PPM)
1996 and 1997 Geoprobe Location and Benzene Value (mg/L)
September 1998 Geoprobe Location and Benzene Value (mg/L)
September and December 1999 Geoprobe Location and Benzene Value (mg/L)
Monitoring Well and December 1999 Benzene Value (mg/L)
NA Data Not Available
ND Value Below 0.005 mg/L

N

0 25 50 75 100 Feet

1 Inch = 50 Feet

FILE/AML NAME:	CPC Puerto Rico Core Inc.	
DATE:	Plate 2 Distribution of Benzene in Upper Alluvial Groundwater - December 1999 - Southeast Perimeter	DRAWN:
SCALE:		CHECKED:
NO:		APPROVED:
REVISIONS:		

August, 2004

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599800 600000 600200 600400 600600 600800 601000

41000 40800 40600 40400 40200 40000 39800 39600 39400 39200

GP-220 NA
GP-156 650.0
GP-168 0.08
GP-157 NA
GP-303 390.0
MW-121 0.004
GP-223 ND
GP-219 NA
MW-17R 210.0
GP-304 210.0
GP-169 210.0
GP-227 ND
GP-158 7.4
GP-305 15.0
GP-222 NA
GP-159 NA
GP-226 ND
GP-307 10.0
GP-221 NA
GP-308 30.0
GP-160 0.0019
GP-225 0.0079
100
10
1

GP-170 ND
MW-7R 84.0
GP-132 ND
GP-161 ND
GP-171 ND
MW-120 1.8
GP-133 ND
GP-309 4.4
GP-134 290.0
GP-162 17.0
GP-172 ND
GP-310 0.0071
GP-311 5.1
MW-16 0.16
MW-119 ND
GP-135 0.026
GP-312 0.012
GP-313 0.0048
GP-136 520.0
GP-163 3.2
GP-173 ND
GP-314 31.0
GP-315 18.0
GP-316 17.0
GP-266 80.0
GP-267 180.0
GP-268 0.025
GP-317 0.15
GP-318 0.0014
GP-319 0.056
MW-125 ND
GP-164 ND
GP-174 ND
GP-183 ND

GP-182 ND
GP-144 NA
MW-146 ND
GP-143 ND
GP-142 ND
MW-19 ND
GP-141 ND
GP-140 ND
GP-181 ND
GP-139 49.0
MW-5R 36.0
GP-138 660.0
GP-137 540.0
GP-180 ND
GP-179 ND
GP-178 0.07
GP-257 0.07
GP-258 0.33
GP-256 0.08
GP-259 25.0
GP-177 290.0
GP-261 0.0045
GP-262 0.001
GP-176 ND
GP-260 51.0
MW-126 ND
GP-263 ND
GP-264 0.001
GP-265 0.0018
GP-175 460.0
GP-184 0.0007
MAW-3 ND
MAW-4 ND
GP-186 ND
MW-142 0.004
MAW-2 ND
GP-185 ND
MAW-1 ND

1
10
100

0 35 70 105 140 Feet
1 Inch = 70 Feet

N

Contour of Benzene Concentration (PPM)
1996 and 1997 Geoprobe Location and Benzene Value (mg/L)
September 1998 Geoprobe Location and Benzene Value (mg/L)
September and December 1999 Geoprobe Location and Benzene Value (mg/L)
Monitoring Well and December 1999 Benzene Value (mg/L)
NA Data Not Available
ND Value Below 0.005 mg/L

FILE/AML NAME:	CPC Puerto Rico Core Inc.
DATE:	Plate 3
SCALE:	Distribution of Benzene in Upper Alluvial Groundwater - December 1999
NO:	Southeast Corner
REVISIONS:	DRAWN:
	CHECKED:
	APPROVED:

August, 2004

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597000 598000 599000 600000 601000

44000 43000 42000 41000 40000 39000 38000 37000

E F N A B C D J L M K

MW-51 GP-408
AES Administration Building
MW-50 GP-412
MW-41
MW-40
GP-405
AES Coal Conveyance Structure
GP-403
MW-48
AES Coal Storage Area
GP-404
GP-411
GP-399
GP-400
GP-406 GP-407 HA-07 HA-08 GP-409 HA-06 HA-10 GP-410
GP-396 HA-05 HA-04 MW-52 HA-03 HA-01 AES-SW-1 MW-49 GP-394 GP-393
GP-397 HA-02 GP-395
MW-42
Oxidation Pond
Channel AES
MW-161D MW-160
DITCH 1
SW-SW
DITCH 2
Holding Pond
HP-2 HP-4 HP-5 (WHP-3)
WHP-1
HP-1 HP-6
HP-3 (WHP-2)
SW-NPDES2
SD-002
GP-401
DITCH 3
SW-NPDES3
MW-43
MW-143
MW-46D
GP-402
MW-45D
MW-44 MW-47
GP-415
GP-414
GP-398
MW-166
GP-417 GP-418
GP-416
GP-413

Approximate Extent of Wetlands Area Based on Surveyed Boring Locations
Approximate Course of Small Surface Ditch Based on Surveyed Boring Locations
Shallow Monitoring Well Constructed February 2001
Shallow Monitoring Well Constructed March 2002
Deep Monitoring Well Constructed February 2001
Geoprobe Constructed January/February 2001
Hand Auger Sample Location in Wetlands Area January/February 2001
Surface Water Sample Locations January/February 2001
Effluent Channel and Conveyance Ditch Sample Locations
Sediment and Surface Water Samples October 2001

N

0 125 250 375 500 Feet

1 Inch = 200 Feet

FILE/AML NAME:	CPC Puerto Rico Core Inc.
DATE:	Plate 4
SCALE:	Investigation Locations
NO:	Risk Assessment - Related Field Efforts
REVISIONS:	DRAWN:
	CHECKED:
	APPROVED:

August, 2004

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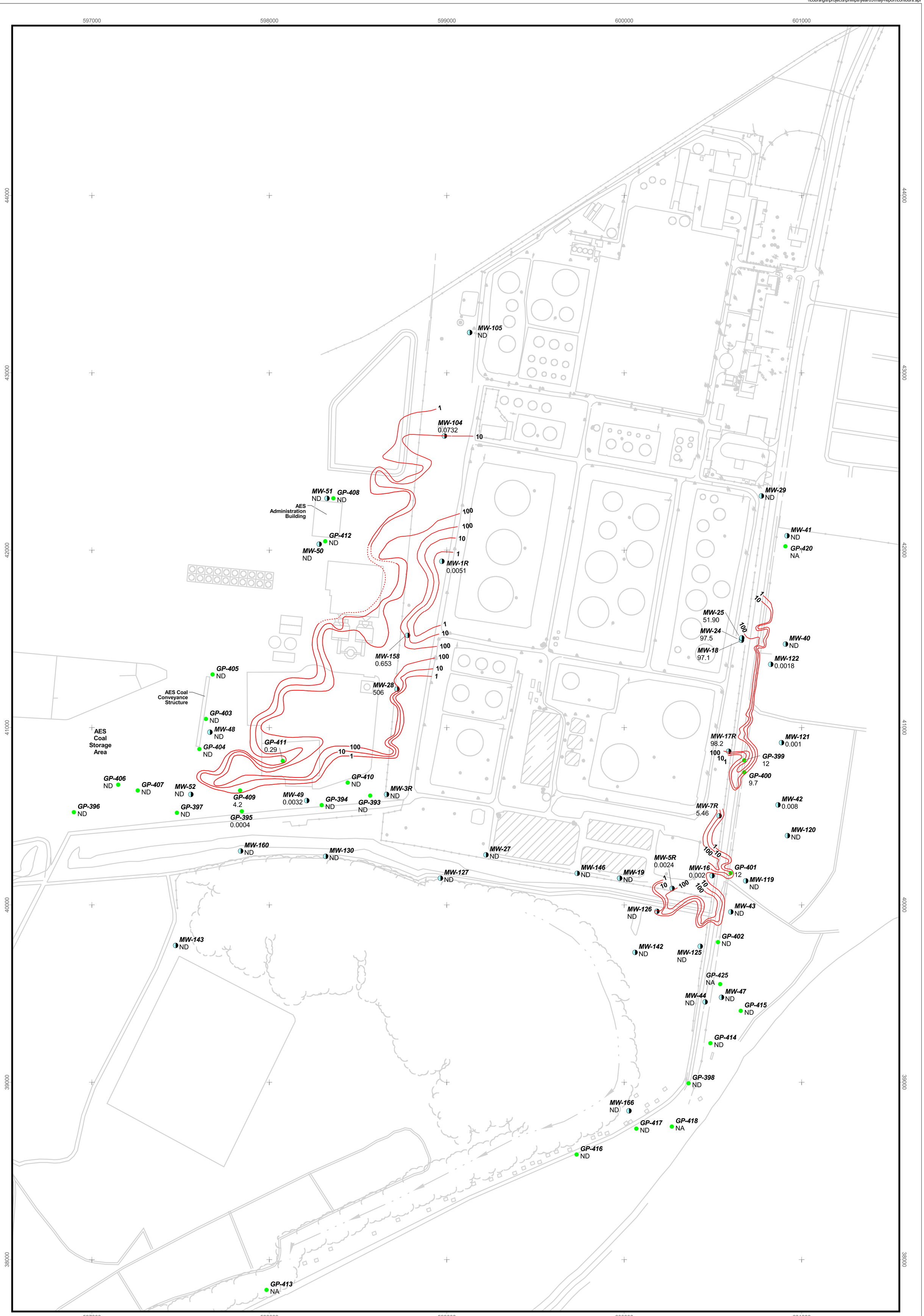

Contour of Benzene Concentration (PPM)

Shallow Ground Water Monitor Well and December 2003 Benzene Concentration Value (mg/L)

January/February 2001 Geoprobe and Benzene Concentration Value (mg/L)

NA Data Not Available

ND Value Below 0.005 mg/L

* Benzene Value is from July, 2003

N

0 125 250 375 500 Feet

1 Inch = 250 Feet

FILE/AML NAME:	CPC Puerto Rico Core Inc.
DATE:	Plate 5 Distribution of Benzene in Upper Alluvial Groundwater - December 2003
SCALE:	DRAWN:
NO:	CHECKED:
REVISIONS:	APPROVED:

August, 2004

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596000 597000 598000 599000 600000 601000

45000 44000 43000 42000 41000 40000 39000 38000 37000

G
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A
B
C
D
J
L
K
M

AES Administration Building

AES Coal Conveyance Structure

Former Smith-Kline Evaporation Pond

Contour of Benzene Concentration (mg/L)

Sand Thickness (Feet)
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0

N

0 300 600 Feet

1 Inch = 300 Feet

FILE/AML NAME:	CPC Puerto Rico Core Inc.	
DATE:	Plate 6 Sand Thickness in the Upper Alluvial Aquifer	DRAWN:
SCALE:		CHECKED:
NO:		APPROVED:
REVISIONS:		

August, 2004

APPENDIX A

Statistical Analysis of Metals in Surface Soils

Statistical Evaluation of Metals in Surface Soils

PREPARED FOR: Nestor Marquez/CPC Puerto Rico Core

PREPARED BY: Brad Sample/CH2M HILL
Jake Gallegos/CH2M HILL

DATE: September 27, 2002

This Technical Memorandum (TM) presents the results of a statistical evaluation of metals in surface soils collected from offsite areas surrounding the CPCPRC facility. This information has been previously presented to EPA in CPCPRC's October 12, 2001, Response to EPA Comments on the May 2001 Field Activities Report and the June 2001 Risk Characterization Report (Response to Comment No. 6). EPA comments on that submittal were incorporated and the revised TM was resubmitted as Appendix C of CPCPRC's CMS-Related Investigations Report, dated May 2003. The revised TM has been included with this risk assessment report so that it can be easily accessed by the readers of this document.

Other than some minor revision to the conclusions presented at the end of this TM, the contents are unchanged from the October 12, 2001, response. The revisions to the conclusions are based on EPA's comments on CPCPRC's October 12, 2001, response. To highlight the revisions, the changes are shown in italic.

Introduction

It should be first stated that any conclusion regarding metals levels in surface soils are intended to help identify potentially complete pathways (human health and ecological) for exposure to *facility-related contamination* and to understand the relevance of inorganic constituents that may exceed risk thresholds. These conclusions are not intended to exclude any analyte from risk evaluation for the potentially complete exposure pathways.

CPCPRC provides the following evaluation of metals levels in surface soils.

Metals

A total of 16 metals were detected in surface soils: antimony, arsenic, barium, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, selenium, vanadium, and zinc.

Since the solid phase of soils is composed of two broad classifications of compounds; inorganic (mineral) compounds and organic matter, soil analyses from samples collected anywhere in the world will be expected to result in detections (using typical detection limits) of metals in soils.

To evaluate whether the metals levels in surface soils in the offsite areas around the site are naturally occurring and not a result of facility operations, CPCPRC has evaluated the 16 detected metals using both site-specific background surface soil data and literature sources.

This is consistent with RAGS Section 5.7, which discusses the use of data from site-specific background samples and/or from other sources (e.g., literature sources).

The locations of the site-specific background soil samples and onsite area and investigation location samples are shown in Figure A-1. The literature source used is *Soil Science Handbook*, M.E. Sherman, 2000 – Chapter B, "The Chemical Composition of Soils (Phillip A. Helmke)." In this source, chemical data for surface soil samples collected in the conterminous U.S. and worldwide are presented. CPCPRC did find the USGS reference (S.P. Marsh, USGS Open File Report 92-353A, 1992) discussed in the September 20, 2001, conference call, but found that detection limits for many of the inorganics were too high to provide useful comparison to site data. Instead, the above referenced soils science handbook provided data results for a large number of inorganic constituents analyzed at detection limits that were useful for comparison. By using both site-specific background and U.S. and world soils, CPCPRC is able to understand both the local variations in concentrations, as well as, the overall variations in concentrations that may be expected in nature.

Comparison Methods. CPCPRC performed the following analyses of metals in surface soils:

- Calculated descriptive summary statistics
- Performed data ranking and plotting
- Used simple comparison of descriptive summary statistics

These methods for comparing background surface soil data to site data (onsite and offsite data) are consistent with recent draft EPA guidance for background evaluation (Guidance for Characterizing Background Chemicals in Soil at Superfund Sites, EPA 540-R-01-003, 2001).

Descriptive Summary statistics (i.e., number of detects, sample size, geometric mean, standard deviation, minimum, median, and maximum values) were calculated for the metals detected in soils in the investigation locations. These summary statistics were also calculated for surface soils onsite and in background surface soils.

Summary statistics were calculated using the SAS statistical software package (SAS Inst., 1990a). Non-detects were included in these calculations at one half the detection limit. Data with an "R" (i.e., rejected) qualifier were excluded from all analyses. Shapiro-Wilkes tests for normality (Zar, 1983) were performed on un-transformed (non-significant results indicate data fit normal distribution) and natural-log-transformed (non-significant results indicate data fit lognormal distribution) data for all analytes from each area. Summary statistics for the areas analyzed and the background surface soils are presented in Table A-1. Background concentration data were available for all but two metals (cobalt and magnesium). Summary statistics were calculated using the SAS statistical software (SAS Inst, 1990b).

To determine if the distribution of concentrations for each metal in soil from each area differed significantly from the distribution of concentrations in background soils, non-parametric Wilcoxon Rank Sum (WRS) tests were performed. A non-parametric test is a statistical test that does not assume an underlying distribution (i.e., lognormal) to the data. The property of robustness is the main advantage of a non-parametric (or distribution-free) test. Robustness means that the test has good performance for a wide variety of distributions, and test performance is not unduly affected by outliers (i.e., anomalous high

and/or low values). The WRS test is the non-parametric equivalent to the simple t-test (Conover, 1980).

The WRS test determines whether measurements from one population consistently tend to be larger (or smaller) than measurements from another population. To interpret the results of the WRS tests, it is important to understand how the tests are performed. For example, to compare chemical concentrations in background soil and an onsite area, all data from both background and onsite are pooled. Values within this combined pool are then ranked by increasing concentration from 1 to N where N is the sum of the number of background and onsite samples. Once the combined pool of concentrations are ranked, the ranks for all concentrations in onsite samples are summed. The sum of the ranks is then compared to a critical value for the test.

Differences were considered statistically significant if the 2-tailed p-values (the critical value for the test) were less than 0.05. The critical value was based on the sample size and the acceptable level of error (i.e., p=0.05) and is obtained from tables in many statistical texts. If the summed ranks exceed the critical value, this means that a shift between the background concentrations and the compared concentrations is present. The shift in concentrations can either be higher or lower than background concentrations. All WRS tests were performed using the SAS statistical software (SAS Inst, 1990b).

To allow for visual comparison of the distribution of metals concentrations in the various areas, side-by-side boxplots were developed. The boxplots also provide for simple visual comparison of the descriptive statistics and magnitude of the concentrations in the areas evaluated. A key to interpretation of the boxplots is presented in Figure A-2.

Antimony. The boxplot for antimony is presented in Figure A-3. Antimony was not detected in any of the 10 background soil samples (Table A-1). Antimony was detected in three of six soil samples from AES, one of two PRASA soil samples, and both WEST soil samples (Table A-1, Figure A-3). Based on sample validation, all soil antimony data for the MAREAS and the SEA areas were rejected since the matrix spike (MS) and/or MS duplicate (MSD) recoveries were outside acceptable ranges. No analyses for antimony were available for onsite area soils.

Because antimony was not detected in any background sample, any detections could be considered as evidence that antimony exceeds background. However, all detected concentrations of antimony in soil fell significantly (as determined by Wilcoxon rank sum tests) below one half the detection limit for antimony in background samples. As a consequence of the elevated detection limits for antimony in background soils, no definitive conclusion concerning whether offsite detections exceed background can be made.

Based on antimony values from over 1,300 locations in the conterminous U.S., antimony ranges from <1,000 to 8,800 µg/kg with a mean value of 4,800 µg/kg (Helmke, 2000). The mean values for antimony in offsite areas are well below the mean value for U.S. soils. In background soils, the mean, based on all non-detects, is in line with the mean values observed in U.S. soils (Table A-2). Based on this, it is concluded that antimony levels in offsite surface soils are consistent to levels observed to occur naturally.

Arsenic. The boxplot for arsenic is presented in Figure A-4. Arsenic was detected in all 10 background soil samples and in almost all on- and offsite soil samples (Table A-1).

Statistically significant differences in arsenic versus background were observed for the MAREAS, PRASA, and SEA areas (Figure A-4). The mean values for arsenic in all offsite areas are above the mean background value for arsenic. It should be noted that with the exception of the background area, offsite areas were cane fields where arsenic-based pesticides were used (RFI Report, July, 1999). ONSITE area data are not statistically different than background. This means that onsite measurements are not consistently higher or lower than background measurements. In fact, the minimum onsite value for arsenic is well below the minimum background value. The mean arsenic value for ONSITE area soil is higher than the mean background value for arsenic.

Based on values for arsenic from conterminous U.S. soil, arsenic ranges from <100 to 97,000 µg/kg with a mean value of 5,200 µg/kg (Helmke, 2000). Worldwide, arsenic ranges from <100 to 40,000 µg/kg with a mean value of 6,000 µg/kg (Helmke, 2000). The mean values for arsenic in all offsite areas are well below the mean value for U.S. and world soils (Table A-2).

Onsite, the mean arsenic value is observed to be higher than the U.S. and world means. However, it is worth noting that the high mean value is driven by duplicate analyses at several onsite locations. Onsite surface soil data is presented in Table A-2.

In the ONSITE area, two analyses were reported for locations SS-01, SS-02, SS-03, and SS-04. Apparently, two analyses were performed on the single soils sample collected at these locations. CPCPRC has searched the historical project records for the reason why two analyses are reported for these locations but were unable to find any rationale or explanation.

It is apparent that the second analysis performed on June 24, 1991, resulted in the summary statistics being driven higher than if these values were not included. Without these values, which are all high non-detect values, the mean arsenic level in ONSITE area soils is 2,486 µg/kg (12,804 µg/kg with the values included; see Table A-1). This value is in line with the mean background value of 2,240 µg/kg.

Based on these analyses, arsenic onsite is not statistically different than background. Onsite, maximum values are based on high non-detect values at locations where arsenic was actually detected at much lower values. Without these high non-detect values, the mean arsenic value onsite is near the mean background value for arsenic. Arsenic in offsite areas is above background probably due to the application of arsenic-based pesticides. However, arsenic levels in all offsite areas are in line with levels observed to occur naturally.

Barium. The boxplot for barium is presented in Figure A-5. Barium was detected in all 10 background soil samples and in almost all onsite and offsite soil samples (Table A-1). Only the MAREAS area soils are statistically different with respect to distribution with values in this area being consistently (as determined by Wilcoxon rank sum tests) below background values. The mean values for barium in all offsite areas are below the mean background value for barium. Although not statistically different (i.e., similar distribution of values), the mean barium value for ONSITE area soils is higher than the mean background value for barium.

Based on values for barium from conterminous U.S. soil, barium ranges from 10,000 to 5,000,000 µg/kg with a mean value of 440,000 µg/kg (Helmke, 2000). Worldwide, barium

ranges from 100,000 to 3,000,000 µg/kg with a mean value of 500,000 µg/kg (Helmke, 2000). Onsite, the mean barium value is 174,000 µg/kg (Table A-2), which is well below the U.S. and world means.

Based on these analyses, barium concentrations do not exceed background in any offsite area. Onsite, barium values are not statistically different than background barium values and the mean barium value onsite is well below the U.S. and world means and are similar to levels that are observed to occur naturally.

Cadmium. The boxplot for cadmium is presented in Figure A-6. As shown, cadmium was detected in all 10 background soil samples and in most offsite soil samples (Table A-1). All area soils are statistically different with respect to distribution with all values being consistently (as determined by Wilcoxon rank sum tests) below background values. The mean values for cadmium in all areas are also below the mean background value for cadmium. Based on these analyses, cadmium concentrations do not exceed background in any area and further evaluation relative to U.S. and/or world values was not necessary.

Chromium. The boxplot for total chromium is presented in Figure A-7. As shown, chromium was detected in nine of 10 background soil samples and in almost all onsite and offsite soil samples (Table A-1). Statistically significant differences versus background were observed only for WEST area soils. The mean values for chromium in offsite areas are slightly above the mean background value for chromium. Although not statistically different, the mean chromium value for ONSITE area soils is above the mean background value for chromium.

Based on values for chromium from conterminous U.S. soil, chromium ranges from 1,000 to 2,000,000 µg/kg with a mean value of 37,000 µg/kg (Helmke, 2000). Worldwide, chromium ranges from 5,000 to 3,000,000 µg/kg with a mean value of 100,000 µg/kg (Helmke, 2000). Mean chromium values for all offsite areas are well below the U.S. and world mean values for chromium.

Onsite, the mean chromium value is 179,722 µg/kg (Table A-1), which is above the U.S. and world means. For chromium, it is noted that several onsite locations were resampled in 1998 as part of the Supplemental RFI work. Table A-3 presents the chromium data for ONSITE area soils. Again, duplicate analyses are reported for locations SS-01, SS-02, SS-03, and SS-04.

Using the 1998 data for locations SS-05, SS-07, SS-09, SS-10, and SS-12 and all the historical values for the other locations, the mean chromium level onsite is 17,304 µg/kg, which is above the mean background value for chromium but well below both the U.S. and worldwide means.

Based on these analyses, chromium levels in most offsite areas (except the WEST area) are not statistically different than background. Mean values for chromium in all offsite are similar to background levels and certainly in line with levels observed to occur naturally. Onsite, chromium is not statistically different than background but, based on the mean onsite chromium value, it is concluded chromium is slightly elevated but within the range of levels observed to occur naturally.

Cobalt. The boxplot for cobalt is presented in Figure A-8. Because no data are available for cobalt in background soils, a background evaluation could not be performed for this

analyte. Summary statistics for concentrations in offsite area samples are presented in Table A-1 and cobalt levels are observed to be highest on the AES area.

Based on values for cobalt from conterminous U.S. soil, cobalt ranges from <300 to 70,000 µg/kg with a mean value of 6,700 µg/kg (Helmke, 2000). Worldwide, cobalt ranges from 100 to 40,000 µg/kg with a mean value of 8,000 µg/kg (Helmke, 2000).

Mean cobalt values in all offsite surface soils are higher than U.S. and world means. Background and onsite, cobalt data are not available. Mean values above the U.S. and world means may suggest cobalt levels in island soils are higher than in other areas. The cobalt levels are observed to be highest on the AES area and it is noted that these surface soils are fill material transported and placed on AES in December 2000. Since no background data for cobalt are available, no definitive conclusion regarding background can be made.

Copper. The boxplot for copper is presented in Figure A-9. Copper was detected in all 10 background soil samples and in all offsite soil samples (Table A-1). Only the AES area exhibited a statistically significant difference above the background distribution. The mean values for copper are near or below the mean background value for copper in all offsite areas except the AES and WEST areas.

Based on values for copper from conterminous U.S. soil, copper ranges from <100 to 700,000 µg/kg with a mean value of 17,000 µg/kg (Helmke, 2000). Worldwide, copper ranges from 200 to 100,000 µg/kg with a mean value of 20,000 µg/kg (Helmke, 2000).

The mean copper values in all surface soils, including background soils, are higher than the U.S. and world means. This may suggest copper levels in island soils are higher than in other areas with the area where the AES fill was sourced being particularly high.

Based on these analyses, copper levels in most offsite areas (except the AES area) are not statistically different than background. For all areas, including background, mean values for copper are higher than the U.S. and world means. However, copper levels are within the range observed in nature.

Iron. The boxplot for iron is presented in Figure A-10. Because no data concerning iron concentrations in background soils were available, a background evaluation could not be performed for this analyte. Summary statistics for concentrations in offsite samples are presented in Table A-1.

Based on values for iron from conterminous U.S. soil, iron ranges from 100,000 to >100,000,000 µg/kg with a mean value of 18,000,000 µg/kg (Helmke, 2000). Worldwide, iron ranges from 7,000,000 to 550,000,000 µg/kg with a mean value of 38,000,000 µg/kg (Helmke, 2000).

All mean iron values are higher than the mean U.S. value for iron. The mean iron value for the AES area is slightly higher than the world mean value (Table A-1) but in the other areas, mean iron values are near or below the world mean value. The range of iron values in all area soils is within the range observed in both the U.S. and world soils. Based on this, it is concluded that iron levels are similar to mean world levels and are in line with the levels observed to occur naturally.

Lead. The boxplot for lead is presented in Figure A-11. Lead was detected in all 10 background soil samples and in almost all onsite and offsite soil samples (Table A-1). Statistically significant differences versus background were observed only for AES soils where concentrations were consistently less than background. The mean values for lead are near or below the mean background value for lead in all offsite areas except the MAREAS and SEA areas. Although not statistically different, the mean value for lead in ONSITE area soils is higher than the mean background value for lead (Table A-1).

Based on values for lead from conterminous U.S. soil, lead ranges from <10,000 to 700,000 µg/kg with a mean value of 16,000 µg/kg (Helmke, 2000). Worldwide, lead ranges from 2,000 to 100,000 µg/kg with a mean value of 10,000 µg/kg (Helmke, 2000). For the MARES and SEA area, mean lead values are well below the mean U.S. lead value and above the world lead value (Table A-1).

Onsite, the mean lead value is 45,689 µg/kg (Table A-1), which is above the U.S. and world means. Onsite surface soil data for lead is presented in Table A-4.

In the Onsite area, two analyses were reported for locations SS-01, SS-02, SS-03, and SS-04. Again, two analyses were performed on the single soils sample collected at these locations.

It is apparent that the second analyses performed on June 24, 1991, result in the summary statistics being driven higher than if these values were not included. Without these values, which include a high non-detect value, the mean lead level in onsite area soils is 35,950 µg/kg (45,689 µg/kg with the values included; see Table A-1). This value is still above the U.S. and world mean values.

Based on these analyses, lead levels in most offsite areas (except the AES area where values are lower than background) are not statistically different than background. Onsite, lead is not statistically different than background; however, based on the mean onsite lead value, it is concluded lead is elevated but within the range of levels observed to occur naturally.

Magnesium. The boxplot for magnesium is presented in Figure A-12. Because no data concerning magnesium concentrations in background soils were available, a background evaluation could not be performed for this analyte. Summary statistics for concentrations in onsite and offsite samples are presented in Table A-1.

Based on values for magnesium from conterminous U.S. soil, magnesium ranges from 50,000 to >100,000,000 µg/kg with a mean value of 4,400,000 µg/kg (Helmke, 2000). Worldwide, magnesium ranges from 600,000 to 6,000,000 µg/kg with a mean value of 5,000,000 µg/kg (Helmke, 2000).

Mean magnesium values in offsite surface soils are higher than U.S. and world means. Background and onsite magnesium data are not available. Similar to cobalt and copper, mean values above the U.S. and world means may suggest magnesium levels in island soils are higher than in other areas. Since no background data for magnesium are available, no definitive conclusion concerning background can be made.

Manganese. The boxplot for manganese is presented in Figure A-13. Manganese was detected in all 10 background soil samples and in all offsite soil samples (Table A-1). Statistically significant differences versus background were observed only for WEST area

soils. It is noted that the p value for the WEST area is 0.05 indicating that the difference is nominal. The mean values for manganese are below the mean background value for manganese in all offsite areas except the AES, SEA, and WEST areas

Based on values for manganese from conterminous U.S. soil, manganese ranges from <2,000 to 7,000,000 µg/kg with a mean value of 330,000 µg/kg (Helmke, 2000). Worldwide, manganese ranges from 100,000 to 4,000,000 µg/kg with a mean value of 850,000 µg/kg (Helmke, 2000).

The mean manganese values for all areas, including background, exceed the U.S. mean value for manganese (Table A-1). The mean manganese values for the areas are more in line with the mean world manganese value. The range of manganese values for all soils are within the range observed in both the U.S. and world soils.

Based on this analysis, mean manganese values are not statistically different than background (WEST area nominal difference). Mean manganese levels in all areas, including background, are slightly higher than mean U.S. values but in line with mean world values. The range of manganese values for all soils is within the range observed to occur naturally.

Mercury. The boxplot for mercury (elemental) is presented in Figure A-14. Total mercury was detected in one of 10 background soil samples and in most offsite soil samples (Table A-1). Statistically significant differences versus background were observed in all offsite areas where mercury values are all consistently lower than background. The mean values for mercury for all offsite areas are also below the mean background value for mercury. Although not statistically different, the mean mercury value for ONSITE area soils is above the mean background value for mercury.

Based on values for mercury from conterminous U.S. soil, mercury ranges from <10 to 4,600 µg/kg with a mean value of 58 µg/kg (Helmke, 2000). Worldwide, mercury ranges from 10 to 300 µg/kg with a mean value of 30 µg/kg (Helmke, 2000).

For the ONSITE area, mean mercury values are above the mean U.S. and world mercury values (Table A-1). However, it is noted that the mean background value for mercury is also above these means.

Based on these analyses, onsite mercury values are not statistically different than background. Onsite, the mean mercury value is above the U.S. and world values but so is the mean background value for mercury. Offsite, all mercury concentrations are below background.

Nickel. The boxplot for nickel is presented in Figure A-15. Nickel was detected in eight of 10 background soil samples and in all offsite soil samples (Table A-1). No statistically significant differences versus background were observed for any soils. Except for the AES, PRASA, and WEST areas, the mean values for nickel for offsite areas are below the mean background value for nickel. Maximum nickel values for the AES and WEST areas are similar to the maximum background value for nickel.

Based on values for nickel from conterminous U.S. soil, nickel ranges from <5,000 to 700,000 µg/kg with a mean value of 13,000 µg/kg (Helmke, 2000). Worldwide, nickel ranges

from 10,000 to 1,000,000 µg/kg with a mean value of 40,000 µg/kg (Helmke, 2000). Mean nickel values for all offsite soils are well below the U.S. and world means.

Based on this, it is concluded that no offsite soils are significantly different than background and mean values for nickel are within the range of levels observed to occur naturally.

Selenium. The boxplot for selenium is presented in Figure A-16. Selenium was not detected in any background soil samples or in any soil samples from the AES, MAREAS, PRASA, or SEA area samples. Selenium was detected in seven of the 16 ONSITE area samples and in two of the five WEST area samples. ONSITE area selenium values are not significantly different than background; however, the mean selenium value onsite is higher than the mean background value (based on all non-detects) for selenium.

Based on values for selenium from conterminous U.S. soil, selenium ranges from <100 to 4,300 µg/kg with a mean value of 260 µg/kg (Helmke, 2000). Worldwide, selenium ranges from 10 to 2,000 µg/kg with a mean value of 200 µg/kg (Helmke, 2000). Mean selenium values for all areas, including background, are above the U.S. and world mean values for selenium.

Selenium data for onsite area soils are presented in Table A-5.

In the onsite area, two analyses were reported for locations SS-01, SS-02, SS-03, and SS-04. Again, two analyses were performed on the single soils sample collected at these locations.

It is apparent that the second analyses performed on June 24, 1991, result in the summary statistics being driven higher than if these values were not included. Without these values, which are all high non-detect values, the mean selenium level in onsite area soils is 431 µg/kg (18,823 µg/kg with the values included; see Table A-1). This value is in line with the mean background value for selenium.

Based on these analyses, onsite selenium values are not statistically different than background. Onsite, maximum values are based on high non-detect values at locations where selenium was actually detected at much lower values. If the high non-detect values are excluded, the mean value for selenium onsite is in line with the mean background value for selenium. The mean selenium values are above the U.S. and world values for all areas, including the background soils. Offsite, all selenium values are within the range observed to occur naturally and well below the upper-end values observed in both the U.S. and world soils.

Vanadium. The boxplot for vanadium is presented in Figure A-17. Vanadium was detected in nine of 10 background soil samples and in all offsite soil samples (Table A-1). Statistically significant differences versus background were observed only for AES and WEST soils where concentrations were higher than background. With the exception of the MAREAS area, the mean values for vanadium for offsite areas are above the mean background value for vanadium.

Based on values for vanadium from conterminous U.S. soil, vanadium ranges from 7,000 to 500,000 µg/kg with a mean value of 58,000 µg/kg (Helmke, 2000). Worldwide, vanadium ranges from 20,000 to 500,000 µg/kg with a mean value of 100,000 µg/kg (Helmke, 2000).

The mean vanadium values in all surface soils, including background soils, are higher than the U.S. and world means. This may suggest vanadium levels in island soils are higher than in other areas with the area where the AES fill was sourced being particularly high.

Based on these analyses, only the AES area and WEST area are significantly different than background. All average vanadium values, including background, are above U.S. and world mean values. However, vanadium values are within the range observed to occur naturally and well below the upper-end values observed in both the U.S. and world soils.

Zinc. The boxplot for zinc is presented in Figure A-18. Zinc was detected in all 10 background soil samples and all onsite and offsite soil samples (Table A-1). No statistically significant differences versus background were observed for zinc in soil; however, ONSITE area soil concentrations are higher than background. The mean values for zinc for offsite areas are below the mean background value for zinc except in the WEST area.

Based on values for zinc from conterminous U.S. soil, zinc ranges from 5,000 to 2,900,000 µg/kg with a mean value of 48,000 µg/kg (Helmke, 2000). Worldwide, zinc ranges from 10,000 to 300,000 µg/kg with a mean value of 50,000 µg/kg (Helmke, 2000).

The mean zinc values in all surface soils, including background soils, are higher than the U.S. and world means. This may suggest zinc levels in island soils are higher than in other areas. The range of zinc values for all soils are within the range of values observed for zinc in both the U.S. and world soils.

Based on this, zinc values in all areas are not statistically different than background. Onsite, zinc is within the range of values seen in U.S. soils but, based on the mean zinc value onsite, it is concluded zinc is elevated onsite.

Conclusions Regarding Metals in Surface Soils. Where background data are available, no statistically significant differences were observed for ONSITE area soils versus background. Based on mean values, ONSITE area chromium, lead, and zinc are elevated. None of these constituents are above background in offsite soils.

Offsite, mean arsenic values are above background due to historical application of arsenic-based pesticides in the cane fields. Mean cobalt, copper, magnesium, and vanadium in area soils are higher than U.S. and world averages suggesting area soils may be naturally higher in these constituents. The ranges of all metals in offsite areas are within levels observed to occur naturally.

Summary

In Section 2.0 of this report, CPCPRC provided a summary of the fate and transport of BTEX constituents in groundwater. That evaluation demonstrated that shallow groundwater flows in the subsurface predominantly though coarse-grained materials that provide preferential flow pathways. Groundwater is not observed to discharge to the surface as has been previously postulated and, therefore, there is no mechanism for contaminated groundwater to impact the surface soil offsite. Surface soils data presented in this section support this conclusion.

At the single location where BTEX constituents (the primary constituents in the groundwater plumes) were found, they were found in low estimated levels, were not found

in underlying subsurface soils, and were not found in underlying groundwater. BTEX constituents were not found in surface soils at any of the other 26 surface soil sample locations.

With the exception of a low estimated detection of bis(2-ethylhexyl)phthalate, SVOCs are not found in surface soils and metals levels in most cases are not significantly different than background levels and in all cases are not outside ranges observed in natural soils.

The statistical analysis indicates statistically significant increases in certain metal concentrations in offsite areas over those found in background. Contaminants that demonstrate statistically significant differences in offsite areas over background include chromium and manganese in the West area, copper in the AES area, and vanadium in both the West and AES areas.

In the December 18, 2001, conference call with EPA, CPCPRC clarified that the intent of this statistical evaluation was not to eliminate any constituent from either human health or ecological Risk Assessment (RA) but to eliminate the terrestrial receptor pathway from the ecological RA.

CPCPRC further stated that it is reasonable to eliminate this pathway since groundwater was not found to impact offsite surface soils. Additionally, the surface soils in the areas referenced in Comment No. 6 (i.e., the West area and AES area – EPA's December 6, 2001, comments) consist of fill material transported and placed in November 2000.

From this discussion, the following was agreed to:

- *It was agreed that it is reasonable to eliminate the terrestrial pathway in the ecological RA and that CPCPRC will provide a discussion of this in the final RA.*
- *It was agreed that the final RA (both human and ecological) will specifically state that offsite fill has been placed west of the facility as part of AES's construction.*

The revised Risk Characterization Report will incorporate the above-mentioned revisions.

Evaluation of metals in surface soils indicates that the metals levels found in offsite surface soils are in line with levels observed to occur naturally and not a result of facility operations.

In conclusion, constituents detected in surface soils in offsite areas are not related to facility releases. This conclusion is considered in subsequent sections of this report to identify potentially complete pathways (human health and ecological) for exposure to *facility-related contamination* and to understand the relevance of those constituents that may exceed risk thresholds. This conclusion does not result in the exclusion of any constituent from risk evaluation for the potentially complete exposure pathways developed in subsequent sections of this report.

References

The following references are included in the reference section of the risk report:

Conover, W.J., 1980. *Practical Non-parametric Statistics*. 2nd Edition. John Wiley and Sons, New York. 493 pp.

SAS Institute, 1990a. *SAS Procedures Guide*, Version 6. Version 6, Third Edition. Cary, North Carolina.

SAS Institute, 1990b. *SAS/STAT User's Guide*, Version 6. Version 6, Fourth Edition, Vol. 2. Cary, North Carolina.

U.S. Environmental Protection Agency (EPA), 2001. *Guidance for Characterizing Background Chemicals in Soil at Superfund Sites*. External Review Draft. Office of Emergency and Remedial Response. EPA 540-R-01-003.

Zar, J.H., 1984. *Biostatistical Analysis*. Prentice-Hall Inc., Englewood Cliffs, New Jersey. 718 pp.

TABLE A-1
Summary Statistics for Inorganics in Soils CPCPRC (rejected values excluded)

												Results of Shapiro-Wilks Tests for Normality and Lognormality		
Location	Analyte	Units	Detects	n	Mean	Standard Deviation	Minimum	10th Percentile	Median	90th Percentile	Maximum	Probn	Probln	Distribution
AES	As	µg/kg	9	10	2330	1013.3	1200	1250	2200	3750	4600	0.20662	0.69043	Norm
BACKGROUND	As	µg/kg	10	10	2240	658.62	1600	1650	2150	3150	4000	0.00056	0.01132	Neither
CHANNEL	As	µg/kg	1	1	2500	.	2500	2500	2500	2500	2500	.	.	NA
MAREAS	As	µg/kg	3	3	4200	529.15	3800	3800	4000	4800	4800	0.36311	0.4019	Norm
ONSITE	As	µg/kg	12	16	12803.75	19213.8	475	665	2735	45000	45000	0.00001	0.00401	Neither
PRASA	As	µg/kg	4	4	3225	618.47	2500	2500	3200	4000	4000	0.94099	0.94613	Norm
SEA	As	µg/kg	4	4	3925	1312.44	2700	2700	3750	5500	5500	0.50648	0.52105	Norm
WEST	As	µg/kg	5	5	3800	2212.46	1700	1700	3300	7000	7000	0.53675	0.69904	Norm
AES	Ba	µg/kg	10	10	79130	42099.59	36200	36250	65200	149500	165000	0.13943	0.67771	Norm
BACKGROUND	Ba	µg/kg	10	10	95300	24244.36	57000	61500	97000	119500	121000	0.10561	0.07764	Norm
CHANNEL	Ba	µg/kg	1	1	124000	.	124000	124000	124000	124000	124000	.	.	NA
MAREAS	Ba	µg/kg	3	3	32733.33	14429.25	16500	16500	37600	44100	44100	0.43389	0.28971	Norm
ONSITE	Ba	µg/kg	13	16	174002.34	328545.6	42.5	45	62950	849000	1140000	0.00001	0.01579	Neither
PRASA	Ba	µg/kg	4	4	70025	31655.37	24300	24300	80100	95600	95600	0.2545	0.06107	Norm
SEA	Ba	µg/kg	4	4	51525	31579.99	19100	19100	53650	79700	79700	0.14716	0.24566	Norm
WEST	Ba	µg/kg	5	5	89320	15639.6	70400	70400	89500	108000	108000	0.79348	0.78022	Norm
AES	Be	µg/kg	0	10	292	50.95	210	210	305	340	340	0.06056	0.03159	Norm
BACKGROUND	Be	µg/kg	0	10	250	0	250	250	250	250	250	.	.	NA
CHANNEL	Be	µg/kg	0	1	140	.	140	140	140	140	140	.	.	NA
MAREAS	Be	µg/kg	0	3	200	95.39	110	110	190	300	300	0.82638	0.90141	Norm
PRASA	Be	µg/kg	0	4	272.5	96.74	170	170	280	360	360	0.20514	0.25401	Norm
SEA	Be	µg/kg	0	4	277.5	33.04	240	240	280	310	310	0.51304	0.51334	Norm
WEST	Be	µg/kg	0	5	276	35.78	230	230	270	330	330	0.57327	0.63461	Norm
AES	Cd	µg/kg	10	10	1640	334	1200	1200	1700	2000	2000	0.03902	0.03694	Neither
BACKGROUND	Cd	µg/kg	10	10	2520	586.52	1700	1700	2800	3050	3100	0.0146	0.00878	Neither
CHANNEL	Cd	µg/kg	0	1	350	.	350	350	350	350	350	.	.	NA
MAREAS	Cd	µg/kg	3	3	1026.67	436.5	640	640	940	1500	1500	0.66996	0.89276	Norm
ONSITE	Cd	µg/kg	6	16	774.97	1021.73	141	150.5	364	1500	4100	0.00005	0.04434	Neither
PRASA	Cd	µg/kg	4	4	1232.5	498.22	530	530	1350	1700	1700	0.45405	0.14604	Norm
SEA	Cd	µg/kg	4	4	1367.5	554.58	770	770	1300	2100	2100	0.85777	0.96791	Norm
WEST	Cd	µg/kg	5	5	1580	268.33	1400	1400	1400	2000	2000	0.04595	0.04832	Neither
AES	Co	µg/kg	10	10	23530	3785.37	18200	18900	24050	28500	30100	0.77781	0.77639	Norm
CHANNEL	Co	µg/kg	1	1	11600	.	11600	11600	11600	11600	11600	.	.	NA
MAREAS	Co	µg/kg	3	3	9400	3109.66	6000	6000	10100	12100	12100	0.62528	0.4787	Norm
PRASA	Co	µg/kg	4	4	17475	6794.3	7900	7900	19250	23500	23500	0.46346	0.16576	Norm
SEA	Co	µg/kg	4	4	13375	4390.43	8400	8400	13000	19100	19100	0.67657	0.72246	Norm

TABLE A-1
Summary Statistics for Inorganics in Soils CPCPRC (rejected values excluded)

												Results of Shapiro-Wilks Tests for Normality and Lognormality		
Location	Analyte	Units	Detects	n	Mean	Standard Deviation	Minimum	10th Percentile	Median	90th Percentile	Maximum	Probn	Probln	Distribution
WEST	Co	µg/kg	5	5	21200	2661.77	17300	17300	22000	24300	24300	0.84775	0.73085	Norm
AES	Cr	µg/kg	10	10	10800	3318.63	5200	6050	11100	14700	15600	0.80501	0.37294	Norm
BACKGROUND	Cr	µg/kg	9	10	9350	3727.15	500	3750	11000	12500	13000	0.02632	0.00002	Neither
CHANNEL	Cr	µg/kg	1	1	9600	.	9600	9600	9600	9600	9600	.	.	NA
MAREAS	Cr	µg/kg	3	3	10233.33	5002.33	5700	5700	9400	15600	15600	0.7235	0.99308	Norm
ONSITE	Cr	µg/kg	17	21	179722.38	415133.16	2000	2850	9960	461000	1720000	0	0.01043	Neither
PRASA	Cr	µg/kg	4	4	13250	6725.33	4700	4700	13650	21000	21000	0.92185	0.4458	Norm
SEA	Cr	µg/kg	4	4	10625	2518.43	7300	7300	10950	13300	13300	0.87044	0.65247	Norm
WEST	Cr	µg/kg	5	5	13280	1141.05	11900	11900	13500	14400	14400	0.32262	0.31702	Norm
AES	CrVI	µg/kg	0	10	59	3.16	55	55	60	62.5	65	0.01228	0.01176	Neither
BACKGROUND	CrVI	µg/kg	0	10	5	0	5	5	5	5	5	.	.	NA
CHANNEL	CrVI	µg/kg	0	1	50	.	50	50	50	50	50	.	.	NA
MAREAS	CrVI	µg/kg	0	3	58.33	2.89	55	55	60	60	60	0	0	Neither
ONSITE	CrVI	µg/kg	1	5	14	20.12	5	5	5	50	50	0.00013	0.00013	Neither
PRASA	CrVI	µg/kg	0	4	58.75	2.5	55	55	60	60	60	0.00124	0.00124	Neither
SEA	CrVI	µg/kg	0	4	56.25	4.79	50	50	57.5	60	60	0.27245	0.26579	Norm
WEST	CrVI	µg/kg	0	5	61	2.24	60	60	60	65	65	0.00013	0.00013	Neither
AES	Cu	µg/kg	10	10	99720	21430.86	72900	75450	96700	131500	149000	0.26224	0.78658	Norm
BACKGROUND	Cu	µg/kg	10	10	65000	15584.89	40000	41000	70500	79500	80000	0.03838	0.01825	Neither
CHANNEL	Cu	µg/kg	1	1	56400	.	56400	56400	56400	56400	56400	.	.	NA
MAREAS	Cu	µg/kg	3	3	28200	12092.56	14800	14800	31500	38300	38300	0.54432	0.37411	Norm
PRASA	Cu	µg/kg	4	4	66625	30305.27	23000	23000	77300	88900	88900	0.18001	0.05073	Norm
SEA	Cu	µg/kg	4	4	42400	23690.08	24300	24300	35450	74400	74400	0.25853	0.29413	Norm
WEST	Cu	µg/kg	5	5	77320	11534.17	62200	62200	76600	94600	94600	0.54917	0.5969	Norm
AES	Hg	µg/kg	9	10	13.1	7.06	5.2	5.35	12.5	23.5	24	0.2158	0.32649	Norm
BACKGROUND	Hg	µg/kg	1	10	84	107.52	50	50	50	220	390	0	0	Neither
CHANNEL	Hg	µg/kg	0	1	70	.	70	70	70	70	70	.	.	NA
MAREAS	Hg	µg/kg	3	3	17	18.29	4.6	4.6	8.4	38	38	0.19881	0.53564	Norm
ONSITE	Hg	µg/kg	6	16	124.19	139.24	18	20	91.5	337	527	0.00056	0.09869	Logn
PRASA	Hg	µg/kg	4	4	10.4	2.24	7.6	7.6	10.5	13	13	0.97883	0.88564	Norm
SEA	Hg	µg/kg	4	4	15.75	4.99	9	9	16.5	21	21	0.69733	0.38715	Norm
WEST	Hg	µg/kg	5	5	12.6	4.83	6	6	12	19	19	0.97979	0.71334	Norm
BACKGROUND	IRON	µg/kg	10	10	38120000	8555414.14	25300000	25650000	42100000	46750000	48300000	0.05222	0.02201	Norm
AES	IRON	µg/kg	10	10	44590000	6467431.23	36500000	36700000	44150000	53000000	56400000	0.53993	0.53479	Norm
MAREAS	IRON	µg/kg	3	3	23966666.67	10793207.74	11900000	11900000	27300000	32700000	32700000	0.48289	0.32121	Norm
PRASA	IRON	µg/kg	4	4	36800000	13374353.57	17800000	17800000	40100000	49200000	49200000	0.31041	0.11199	Norm

TABLE A-1
Summary Statistics for Inorganics in Soils CPCPRC (rejected values excluded)

												Results of Shapiro-Wilks Tests for Normality and Lognormality		
Location	Analyte	Units	Detects	n	Mean	Standard Deviation	Minimum	10th Percentile	Median	90th Percentile	Maximum	Probn	Probln	Distribution
SEA	IRON	µg/kg	4	4	33650000	8868107.65	23100000	23100000	34450000	42600000	42600000	0.69833	0.64224	Norm
WEST	IRON	µg/kg	5	5	38200000	4295346.32	31500000	31500000	38500000	43000000	43000000	0.72788	0.5688	Norm
AES	Mg	µg/kg	10	10	12400000	2503348.87	8480000	8750000	12700000	15650000	16900000	0.90852	0.73259	Norm
MAREAS	Mg	µg/kg	3	3	6943333.33	1607523.98	5490000	5490000	6670000	8670000	8670000	0.71774	0.83737	Norm
PRASA	Mg	µg/kg	4	4	9547500	4710572.33	5630000	5630000	8180000	16200000	16200000	0.37224	0.7389	Norm
SEA	Mg	µg/kg	4	4	5657500	2092819.07	3220000	3220000	5905000	7600000	7600000	0.42807	0.42788	Norm
WEST	Mg	µg/kg	5	5	13258000	3472768.35	9620000	9620000	13900000	16700000	16700000	0.14059	0.10978	Norm
AES	Mn	µg/kg	10	10	993500	233337.74	544000	654000	1065000	1250000	1340000	0.73071	0.25646	Norm
BACKGROUND	Mn	µg/kg	10	10	787800	321514.75	8000	319000	926500	1050000	1050000	0.00897	0	Neither
MAREAS	Mn	µg/kg	3	3	416666.67	162031.89	269000	269000	391000	590000	590000	0.73717	0.94748	Norm
PRASA	Mn	µg/kg	4	4	770250	351084.39	324000	324000	808500	1140000	1140000	0.90661	0.52699	Norm
SEA	Mn	µg/kg	4	4	882250	858060.75	298000	298000	540500	2150000	2150000	0.0688	0.54603	Norm
WEST	Mn	µg/kg	5	5	1119800	185124.82	973000	973000	1060000	1430000	1430000	0.15372	0.25144	Norm
AES	Ni	µg/kg	10	10	8040	1438.52	5500	6050	8050	9800	10000	0.85029	0.6976	Norm
BACKGROUND	Ni	µg/kg	8	10	6200	2740.64	2000	2000	6000	9500	10000	0.33146	0.02544	Norm
CHANNEL	Ni	µg/kg	0	1	2800	.	2800	2800	2800	2800	2800	.	.	NA
MAREAS	Ni	µg/kg	3	3	4066.67	2138.54	2200	2200	3600	6400	6400	0.63689	0.91447	Norm
PRASA	Ni	µg/kg	4	4	7725	3640.86	3100	3100	8000	11800	11800	0.96395	0.53858	Norm
SEA	Ni	µg/kg	4	4	4700	1957.89	2700	2700	4450	7200	7200	0.84968	0.96084	Norm
WEST	Ni	µg/kg	5	5	8440	1150.22	7000	7000	8200	10100	10100	0.93596	0.97124	Norm
AES	Pb	µg/kg	10	10	2552	1461.18	820	1060	2300	5050	5800	0.06501	0.73977	Norm
BACKGROUND	Pb	µg/kg	10	10	5300	3752.04	2500	2750	3950	11250	15000	0.00156	0.16446	Logn
CHANNEL	Pb	µg/kg	1	1	3200	.	3200	3200	3200	3200	3200	.	.	NA
MAREAS	Pb	µg/kg	3	3	13400	10932.98	1500	1500	15700	23000	23000	0.65009	0.24734	Norm
ONSITE	Pb	µg/kg	15	16	45689.31	50912.67	759	1330	22200	119000	163000	0.00866	0.17551	Logn
PRASA	Pb	µg/kg	4	4	5075	4434.24	1600	1600	3600	11500	11500	0.21783	0.90544	Norm
SEA	Pb	µg/kg	4	4	12275	13676.35	2100	2100	7750	31500	31500	0.22108	0.52084	Norm
WEST	Pb	µg/kg	5	5	3720	1407.84	2900	2900	3100	6200	6200	0.00742	0.02225	Neither
AES	Sb	µg/kg	3	6	585	117.94	430	430	575	770	770	0.98767	0.99999	Norm
BACKGROUND	Sb	µg/kg	0	10	5000	0	5000	5000	5000	5000	5000	.	.	NA
CHANNEL	Sb	µg/kg	0	1	3500	.	3500	3500	3500	3500	3500	.	.	NA
PRASA	Sb	µg/kg	1	2	580	28.28	560	560	580	600	600	1	1	Norm
WEST	Sb	µg/kg	2	2	585	35.36	560	560	585	610	610	1	1	Norm
AES	Se	µg/kg	0	10	642	548.37	280	287.5	310	1475	1550	0.00018	0.00023	Neither
BACKGROUND	Se	µg/kg	0	10	400	316.23	250	250	250	1000	1000	0	0	Neither
CHANNEL	Se	µg/kg	0	1	350	.	350	350	350	350	350	.	.	NA

TABLE A-1
Summary Statistics for Inorganics in Soils CPCPRC (rejected values excluded)

												Results of Shapiro-Wilks Tests for Normality and Lognormality		
Location	Analyte	Units	Detects	n	Mean	Standard Deviation	Minimum	10th Percentile	Median	90th Percentile	Maximum	Probn	Probln	Distribution
MAREAS	Se	µg/kg	0	3	293.33	7.64	285	285	295	300	300	0.63689	0.62485	Norm
ONSITE	Se	µg/kg	7	16	18823.31	32901.93	103.5	104.5	564	74000	74000	0.00001	0.00105	Neither
PRASA	Se	µg/kg	0	4	1175	586.66	300	300	1425	1550	1550	0.02389	0.00667	Neither
SEA	Se	µg/kg	0	4	288.75	21.75	260	260	292.5	310	310	0.76352	0.70765	Norm
WEST	Se	µg/kg	2	5	1092	650.63	350	350	1550	1600	1600	0.01617	0.0187	Neither
CHANNEL	Sn	µg/kg	0	1	34950	.	34950	34950	34950	34950	34950	.	.	NA
AES	V	µg/kg	10	10	153300	23142.31	120000	126000	146000	187000	192000	0.63829	0.79402	Norm
BACKGROUND	V	µg/kg	9	10	88950	35135.02	2500	35250	105500	115000	115000	0.00366	0	Neither
CHANNEL	V	µg/kg	1	1	87400	.	87400	87400	87400	87400	87400	.	.	NA
MAREAS	V	µg/kg	3	3	77400	24173.75	50700	50700	83700	97800	97800	0.5652	0.43684	Norm
PRASA	V	µg/kg	4	4	125550	50617.62	54200	54200	138000	172000	172000	0.48091	0.15823	Norm
SEA	V	µg/kg	4	4	135500	31838.13	105000	105000	130500	176000	176000	0.6877	0.76547	Norm
WEST	V	µg/kg	5	5	133600	9838.7	121000	121000	139000	142000	142000	0.11687	0.11377	Norm
AES	Zn	µg/kg	10	10	72880	15731.13	42200	50200	74800	91550	91900	0.56345	0.21572	Norm
BACKGROUND	Zn	µg/kg	10	10	74500	34157.32	36000	37000	70500	124500	147000	0.34683	0.81016	Norm
CHANNEL	Zn	µg/kg	1	1	50400	.	50400	50400	50400	50400	50400	.	.	NA
MAREAS	Zn	µg/kg	3	3	54333.33	31244.57	21500	21500	57800	83700	83700	0.8162	0.50918	Norm
ONSITE	Zn	µg/kg	2	2	1032000	379009.23	764000	764000	1032000	1300000	1300000	1	1	Norm
PRASA	Zn	µg/kg	4	4	68750	19139.92	43600	43600	72550	86300	86300	0.61308	0.4436	Norm
SEA	Zn	µg/kg	4	4	58400	25785.01	25700	25700	62700	82500	82500	0.61804	0.39863	Norm
WEST	Zn	µg/kg	5	5	80220	12909.96	62800	62800	82900	98000	98000	0.87184	0.84616	Norm

TABLE A-2
Arsenic Values in Surface Soils (μg/kg) – Onsite Area

Area	Location	Result	Qualifier	Collection Date
Onsite	SS-01	1,760		06/13/1991
	SS-01	45,000	U	06/24/1991
	SS-02	1,460		06/13/1991
	SS-02	45,000	U	06/24/1991
	SS-03	3,160		06/14/1991
	SS-03	45,000	U	06/24/1991
	SS-04	1,830		06/14/1991
	SS-04	45,000	U	06/24/1991
	SS-05	1,630		06/04/1991
	SS-06	2,680		06/04/1991
	SS-07	3,030		06/04/1991
	SS-08	475		06/04/1991
	SS-09	2,790		06/04/1991
	SS-10	2,790		06/04/1991
	SS-11	665		06/04/1991
	SS-12	2,590		06/04/1991

Notes: U qualifier indicates constituent not detected. The values for the non-detects represents one-half the detection limit.

TABLE A-3
Summary of Total Chromium Values for Onsite Soils (μg/kg)

Location	Result	Qualifier	Collection Date
SS-01	10,100		06/13/1991
SS-01	2,850	U	06/24/1991
SS-02	9,960		06/13/1991
SS-02	2,850	U	06/24/1991
SS-03	3,150		06/14/1991
SS-03	2,850	U	06/24/1991
SS-04	2,550		06/14/1991
SS-04	2,850	U	06/24/1991
SS-05	921,000		06/04/1991
SS-05	12,000		**06/16/1998**
SS-06	48,500		06/04/1991
SS-07	95,300		06/04/1991
SS-07	66,000		**06/16/1998**
SS-08	3,920		06/04/1991
SS-09	277,000		06/04/1991
SS-09	2,000		**06/16/1998**
SS-10	461,000		06/04/1991
SS-10	113,000		**06/16/1998**
SS-11	8,290		06/04/1991
SS-12	1,720,000		06/04/1991
SS-12	9,000		**06/16/1998**

Notes: U qualifier indicates constituent not detected. The values for the non-detects represents one-half the detection limit.

TABLE A-4
Summary of Lead Values for Onsite Soils (μg/kg)

Location	Result	Qualifier	Collection Date
SS-01	1,330		06/13/1991
SS-01	76,900		06/24/1991
SS-02	1,610		06/13/1991
SS-02	23,500	U	06/24/1991
SS-03	759		06/14/1991
SS-03	99,200		06/24/1991
SS-04	20,900		06/14/1991
SS-04	100,000		06/24/1991
SS-05	119,000		06/04/1991
SS-06	163,000		06/04/1991
SS-07	58,100		06/04/1991
SS-08	3,350		06/04/1991
SS-09	16,900		06/04/1991
SS-10	31,400		06/04/1991
SS-11	3,580		06/04/1991
SS-12	11,500		06/04/1991

Notes: U qualifier indicates constituent not detected. The values for the non-detects represents one-half the detection limit.

TABLE A-5
Summary of Selenium Values for Onsite Soils (μg/kg)

Location	Result	Qualifier	Collection Date
SS-01	118.5	U	06/13/1991
SS-01	74,000	U	06/24/1991
SS-02	112.5	U	06/13/1991
SS-02	74,000	U	06/24/1991
SS-03	540	U	06/14/1991
SS-03	74,000	U	06/24/1991
SS-04	104.5	U	06/14/1991
SS-04	74,000	U	06/24/1991
SS-05	875		06/04/1991
SS-06	211		06/04/1991
SS-07	728		06/04/1991
SS-08	568		06/04/1991
SS-09	504		06/04/1991
SS-10	103.5	U	06/04/1991
SS-11	748		06/04/1991
SS-12	560		06/04/1991

Notes: U qualifier indicates constituent not detected. The values for the non-detects represents one-half the detection limit.

APPENDIX C

Groundwater Intrusion Into Buildings

Groundwater Vapor Intrusion Into Buildings

PREPARED FOR: CPCPRC Risk Assessments

PREPARED BY: CH2M HILL

DATE: September 2, 2004

Summary

Volatilization of chemicals of concern (COCs) present in groundwater and their subsequent intrusion into enclosed spaces constitute a potential inhalation exposure pathway and, therefore, a health risk to the occupants (EPA, 1997). CPCPRC used the Johnson and Ettinger (J&E) model to assess the potential risk to workers in the CPCPRC administration building (CPCPRC_ADMIN) and the AES administration building (AES_ADMIN) as well as the AES coal conveyance structure (AES_COAL) on the adjoining AES facility. In addition, the model was used to assess potential risk to the residents of the nearby Las Mareas (MAREAS) community.

Site-specific soil properties, building dimensions, and exposure parameters were used where available. In the absence of site-specific inputs, the model defaults were used. Vapor intrusion modeling was performed for the volatile chemicals detected in the groundwater of the three areas (CPCPRC, AES, LAS MAREAS), and for which the necessary physical and chemical properties were available in the J&E model. The result of modeling was the development of chemical-specific threshold groundwater concentrations that would result in either $1E^{-06}$ excess cancer risk or a hazard index of 0.1 to the indoor receptors.

A comparison of the threshold concentrations with the sample data indicated that there were no exceedances in the Las Mareas area, and benzene was the only chemical that exceeded the threshold concentration for the CPCPRC_ADMIN, AES_ADMIN, and AES_COAL scenarios.

A further evaluation of the sample locations with respect to the respective buildings for the AES and CPCPRC areas indicated:

- Six locations exceeded the threshold for the AES_ADMIN scenario and the closest location to the administration building (MW-165, also the highest observed concentrations) was approximately 775 feet away from the administration building;
- Six locations exceeded the threshold for the AES_COAL scenario and the closest location to the coal structure (GP-409) was approximately 325 feet away from the coal conveyance structure. The location of highest observed concentrations (MW-165) was 900 feet from the structure;
- One location (MW-111) exceeded the threshold for the CPCPRC_ADMIN scenario; that location being approximately 775 feet away from the CPCPRC administration building; and

- Comparatively, the influence domain for vapor intrusion in the J&E model is approximately 100 feet.

Based on the observations it is concluded that vapor intrusion in the enclosed spaces does not pose adverse health risks to the workers or the residents. Location GP-409 (325 feet from the coal conveyance structure) could reasonably be considered to be within the influence domain for the AES workers; however, the coal conveyance structure is not a true enclosed space since the workers do not spend sustained amounts of time in the structure and the groundwater concentration (4,200 µg/L) is only a factor of 1.5 above the threshold concentration of 2,820 µg/L.

EPA's Johnson and Ettinger Model

Johnson and Ettinger (1991) introduced a screening-level model that incorporates convective and diffusive mechanisms for estimating the transport of contaminant vapors emanating from either subsurface soils or groundwater into indoor spaces located directly above or in close proximity to the source of contamination. EPA has developed a series of spreadsheets that allow for site-specific application of the J&E model (EPA, 1997).

EPA developed two versions of the J&E spreadsheet model, a screening-level version and a second-tier or advanced version. The screening-level approach employs conservative default values for many model input parameters but allows the user to define values for key variables. The second-tier approach allows the user to define values for all model variables and allows for up to three different soil strata between the top of contamination and the enclosed structure. CPCPRC used the second-tier advanced model (2003 version) to assess vapor intrusion into buildings in the three exposure areas.

The output of the J&E model is a risk-based groundwater concentration (RBC). The RBC is the minimum of the following values: the carcinogenic RBC (assuming a 1×10^{-6} target risk level), the noncarcinogenic RBC (conservatively assuming a target hazard quotient of 0.1), and the pure component water solubility. In some cases, a COC will not have either a carcinogenic or noncarcinogenic RBC due to the lack of an approved toxicity value (i.e., inhalation slope factor for carcinogens or inhalation reference dose for noncarcinogens) in the EPA Integrated Risk Information System (IRIS), PPRTV, or Health Effects Assessment Tables (HEAST) databases.

Model Theory

The fundamental theoretical development of this model was performed by Johnson and Ettinger (1991). The J&E model is a one-dimensional analytical solution to convective and diffusive vapor transport into indoor spaces and provides an estimated attenuation coefficient that relates the vapor concentration in the indoor space to the vapor concentration at the source of contamination. The model is constructed as both a steady-state solution to vapor transport (infinite or non-diminishing source) and as a quasi-steady-state solution (finite or diminishing source). For this modeling effort, CPCPRC has conservatively assumed an infinite source lies directly beneath the structure.

Chemical fate and transport within soils and between the soil column and enclosed spaces is determined by a number of physical and chemical processes. Inputs to the model include chemical properties of the contaminant, saturated and unsaturated zone soil properties, and

structural properties of the building. Johnson and Ettinger (1991) reported that the results of the model were in qualitative agreement with published experimental case histories and in good qualitative and quantitative agreement with detailed three-dimensional numerical modeling of radon transport into houses.

As presently constructed, the soil contamination component of the model operates under the assumption that the initial soil concentration is below the soil saturation concentration (i.e., that a residual or pure component phase does not exist). Likewise, the ground water contamination component of the model assumes that the initial ground water concentration is below the water solubility limit. Because the J&E model is one-dimensional, the building is assumed to be directly above the contamination. In addition, the model does not consider convective water movement within the soil column, nor does it consider transformation processes (e.g., biodegradation, hydrolysis, etc.).

Model Setting

The J&E model considers a contaminant vapor source (see C_{source} in Figure 1) located some distance (L_T) below the floor of an enclosed building constructed with a basement or constructed slab on grade. The source of contamination is a volatile contaminant in solution with groundwater below the water table. Figure 1 illustrates the scenario where the source of contamination is below the top of the water table. Here the contaminant must diffuse through a capillary zone immediately above the water table and through the subsequent unsaturated or vadose zone before convection transports the vapors into the structure. The rate of soil gas entry (Q_{soil}) is a function solely of convection; however, the vapor concentration entering the structure may be limited by either convection or diffusion depending upon the magnitude of the source-building separation (L_T).

Modeling Input

CPCPRC's approach to the vapor intrusion modeling was to use conservative input parameters as part of a reasonable maximum exposure scenario. In some cases, the use of the maximum values for certain input parameters may overestimate potential exposure via vapor intrusion into buildings.

Discussion of the modeling input for the AES facility exposure area, CPCPRC exposure area and the Las Mareas exposure area is presented. Specifically, this Technical Memorandum (TM) presents a summary of available site-specific physical parameters related to modeling potential vapor migration from groundwater beneath the three areas to indoor air at structures where human occupation is expected.

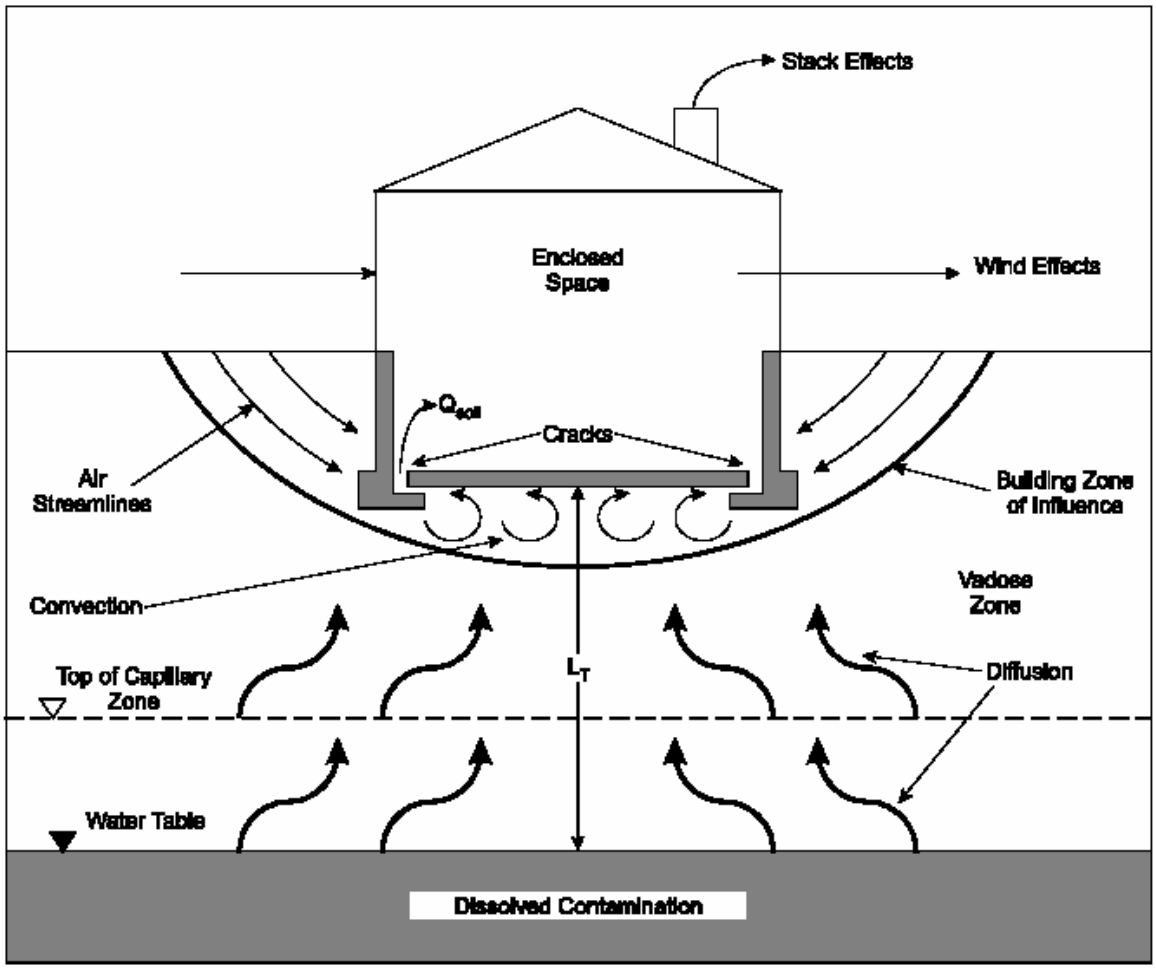

FIGURE 1
Conceptual Model – Vapor Intrusion of Volatile Compounds in Groundwater into Buildings. Adapted from EPA, 1997.

AES facility Exposure Area

The AES facility exposure area involves an industrial worker exposure scenario at two structures: the administration building and a coal conveyance structure. Of these two structures, only the administration building would be continually occupied by workers during operation of the plant. The coal conveyance structure would be periodically occupied by workers during repairs or maintenance activities.

The footprint of the AES administration foundation was observed to be at least 3 feet thick and the building is approximately 150 feet wide and 200 feet long. The height of the finished ceiling for this building is 10 feet.

The coal conveyance structure is concrete. The structure is about 25 feet wide, 400 feet long, and about 20 feet high with a concrete foundation at least 3 feet thick. Based on discussions with AES, it is CPCPRC's understanding coal dust suppression controls and ventilation will be utilized in the structure.

Las Mareas Exposure Area

The Las Mareas exposure area involves a residential exposure scenario. In the Las Mareas exposure area, the houses are constructed as either slab on grade or are elevated on concrete piers to minimize flooding during storms. The windows of the houses consist of insect screens and louvers (i.e., no glass windows observed). For this modeling effort, it has been conservatively assumed that the standard home is constructed as slab on grade. The home size was assumed to be about 35 feet long and 35 feet wide (1,225 square feet) and is based on observations of the homes.

Onsite Administration Building Area

The CPCPRC facility exposure area involves an industrial worker exposure scenario at the administration building. The administration building is a 45,000-square-foot (sq. ft.) structure constructed in the very northern tip of the facility. The structure is constructed as slab on grade and the thickness of the slab is 2 feet. The height of the finished ceiling for this building is 12 feet.

Table 1 presents a summary of several physical parameters, the depth-to-water table, soil type, moisture content, and total organic carbon relevant to the modeling effort.

TABLE 1
Summary of Physical Data Related to Johnson-Ettinger Vapor Pathway Modeling
Chevron Phillips Chemical Puerto Rico Core Inc.

Location ID	Area	Depth to Water - L_{wt} (cm)[a]	USCS Soil Type – Depths in cm bgs[b]	Moisture Content (%)– Depths in cm bgs	Soil Total Organic Carbon(µg/Kg) – Depths in cm bgs
			AES Exposure Area		
GP-403	AES Structures – Directly adjacent to the east edge of AES's coal conveyance structure	193.2	0 to 183 – CL 183 to 335 – GW	0 to 61 – 8.7 61 to 183 – 10.0	0 to 61 – 2.86E+06 61 to 183 – 3.23E+06
GP-404	AES Structures – Directly adjacent to the south edge of AES's coal conveyance structure	185.9	0 to 61 – GC 61 to 183 – no recovery 183 to 274 – CL	0 to 61 – 10.6 183 to 305 – 19.4	0 to 61 – 1.30E+06 183 to 305 – 1.71E+06
GP-405	AES Structures – Directly adjacent to the north edge of AES's coal conveyance structure	225.6	0 to 61 – GC 61 to 213 – CL 213 to 305 – GW	0 to 61 – 19.4 61 to 183 – 21.7	0 to 61 – 1.53E+06 61 to 183 – 4.30E+06
GP-406	AES Property – Along the southern edge of AES's coal storage area berm. Northern edge of wetlands area.	167.6	0 to 274 – CL	0 to 61 – 20.0 61 to 183 – 22.0	0 to 61 – 1.46E+07 61 to 183 – 2.27E+06
GP-407	Offsite West – Along the southern edge of the coal storage area berm. Northern edge of wetlands area east of GP-406.	175.3	0 to 122 – no recovery 122 to 305 – CL	0 to 61 – 19.6 545 to 671 – 56.7	0 to 61 – 4.29E+06 545 to 671 – 1.99E+08
GP-408	AES Structures – Directly adjacent to the north edge of AES's administration building	496.8	0 to 122 – no recovery 122 to 305 – CL 305 to 518 – SW	0 to 61 – 21.5 305 to 427 – 17.2	0 to 61 – 6.76E+06 305 to 427 – 1.00E+06

TABLE 1
Summary of Physical Data Related to Johnson-Ettinger Vapor Pathway Modeling
Chevron Phillips Chemical Puerto Rico Core Inc.

Location ID	Area	Depth to Water - L_{wt} (cm)[a]	USCS Soil Type – Depths in cm bgs[b]	Moisture Content (%)– Depths in cm bgs	Soil Total Organic Carbon(μg/Kg) – Depths in cm bgs
GP-409	AES Property – Along the southern edge of AES property in the area previously identified as the terminal edge of the groundwater plume (west cane field plume)	228.3	0 to 122 – no recovery 122 to 427 – CL	0 to 61 – 16.6 305 to 427 – 27.2	0 to 61 – 3.16E+06 305 to 427 – 8.50E+05
GP-410	AES Property – Along the southern edge of AES property	178.0	0 to 61 – GC 61 to 183 – CL	0 to 61 – 9.9 61 to 183 – 15.5	0 to 61 – 4.51E+06 61 to 183 – 3.23E+06
GP-411	AES Property – On AES property near the former locations of MW-162 and MW-163	119.5	0 to 61 – GC 61 to 244 – CL	0 to 61 – 15.4 183 to 305 – 19.4	0 to 61 – 3.50E+06 183 to 305 – 1.49E+06
GP-412	AES Structures – Directly adjacent to the south edge of AES's administration building	547.1	0 to 122 – no recovery 122 to 366 – CL 366 to 427 – GW 427 to 518 – SW 518 to 548 – CL	0 to 61 – 17.4 305 to 427 – 19.3	0 to 61 – 1.04E+07 305 to 427 – 2.51E+06
	Average Value	251.3	NA	0 to 61 – 15.9 >61 – 22.8	0 to 61 – 5.29E+06 >61 – 2.20E+07
	Maximum Value	547.1	NA	0 to 61 – 21.5 >61 – 56.7	0 to 61 – 1.46E+07 >61 – 1.99E+08
	Minimum Value	119.5	NA	0 to 61 – 8.7 >61 – 10.0	0 to 61 – 1.30E+06 >61 – 8.50E+05
	Las Mareas Area				
GP-414	West of the PRASA pipeline.	160.3	0 to 549 – CL	0 to 61 – 19.9 305 to 427 – 27.6	0 to 61 – 5.18E+06 305 to 427 – 6.65E+06
GP-415	West of the PRASA pipeline.	82.0	0 to 61 – GC 61 183 – GM	0 to 61 – 11.7 427 to 549 – 21.6	0 to 61 – 6.24E+06 427 to 549 – 1.00E+06
GP-416	In the PRASA pipeline envelope at Las Mareas.	39.0	0 to 61 – CL 61 to 305 – SM	0 to 61 – 16.5 61 to 183 – 12.9	0 to 61 – 9.47E+06 61 to 183 – 4.41E+06
GP-417	South of the PRASA pipeline.	135.6	0 to 61 – CL 61 to 152 – ML	0 to 61 – 17.4 61 to 183 – 18.7	0 to 61 – 3.37E+06 61 to 183 – 3.39E+06
GP-418	South of the PRASA pipeline.	NA	0 to 61 – SP 61 to 183 – SW	0 to 61 – 4.0 61 to 183 – 17.3	0 to 61 – 3.06E+06 61 to 183 – 4.18E+06
MW-166	Las Mareas - In the backyard of a Las Mareas resident	115.8	0 to 61 – GC 61 to 152	NA	NA
	Average Value	106.5	NA	0 to 61 – 13.9 >61 – 19.6	0 to 61 – 5.46E+06 >61 – 3.93E+06
	Maximum Value	160.3	NA	0 to 61 – 19.9 >61 – 27.6	0 to 61 – 9.47E+06 >61 – 6.65E+06
	Minimum Value	39.0	NA	0 to 61 – 4.0 >61 – 12.9	0 to 61 – 3.06E+06 >61 – 1.00E+06
	CPCPRC Administration Building Area				
MW-109	Approximately 300 southeast of		701	0 to 427 – SM 427 to 701 – CL	

TABLE 1
Summary of Physical Data Related to Johnson-Ettinger Vapor Pathway Modeling
Chevron Phillips Chemical Puerto Rico Core Inc.

Location ID	Area	Depth to Water - L_{wt} (cm)[a]	USCS Soil Type – Depths in cm bgs[b]	Moisture Content (%)– Depths in cm bgs	Soil Total Organic Carbon(μg/Kg) – Depths in cm bgs
	the administration building				
MW-13R	Approximately 1,200 feet south of the administration building		609	0 to 152 – CL 152 to 304 – SM 304 to 518 – CL 518 to 609 – SM/GM	
MW-111	Approximately1,500 feet south of the administration building		518	0 to 137 – CL 137 to 365 – SP 365 to 518 – CL	
MW-108	Approximately 1,000 feet southeast of the administration building		731	0 to 183 – CL 183 to 548 – SM 548 to 731 – CL	
MW-113A	Approximately 1,400 feet south of the administration building		518	0 to 488 – CL 488 to 533 – SC	
MW-112A	Approximately 1,600 feet south of the administration building		396	0 to 152 – CL 152 to 396 – SM	
MW-141	Approximately 1,850 feet south of the administration building		426	0 to 365 – SP 365 to 426 – ML	
MW-101	Approximately 1,800 feet southeast of the administration building		609	0 to 61 – SM 61 to 274 – CL 274 to 487 – SM 487 to 609 – CL	
MW-102	Approximately 2,000 feet southeast of the administration building		482	0 to 229 – CL 229 to 396 – SM 396 to 482 – CL	
	Average Value		595.6	NA	
	Maximum Value		945	NA	
	Minimum Value		396	NA	

Notes: [a] Depth to water at time of groundwater sampling.
[b] Soil Type provided for the soil interval from the water table at the time of groundwater sampling to ground surface.

Table 2 presents a summary of the volatile organic constituents detected from the sampling locations in the exposure areas. The locations used for this modeling effort are presented in Figure 2.

The site-specific soils and building parameters used in the modeling effort are provided in Tables 3 and 4. General explanations for the parameters follow:

- Average soil/groundwater temperature (T_S): The soil/groundwater temperature is used to correct the Henry's law constant to the specified temperature. An average groundwater temperature of 27°C (Table 3) is used in the modeling effort and is based on average groundwater temperatures measured during groundwater sampling.

- Depth below grade to base of enclosed space (L_F): The depth to the bottom of the floor in contact with the soil. The EPA default value for slab on grade construction, 15 cm, was used in the modeling effort.

  Depth below grade to water table (L_{wt}) : The depth to the top of the water table (i.e., where the pressure head is equal to zero and the pressure is atmospheric). The thickness of the capillary zone is calculated based on the SCS soil type above the top of the water table. The depth below grade to the top of the water table minus the thickness of the capillary zone must be greater than the depth below grade to the bottom of the enclosed space floor. This means that the top of the capillary zone is always below the floor. The values are specific to each area modeled.

  - Soil Stratum Thickness: The thickness of Stratum A must be at least as thick as the depth below grade to the bottom of the enclosed space floor. The combined thickness of all strata must be equal to the depth to the top of contamination or to the top of the water table, as appropriate. At each location where soil data is available, CPCPRC collected soil samples from the 0 to 61 cm interval (0 to 2 feet). Beneath this interval, soil samples were collected at intervals showing obvious signs of contamination or, if no contamination was evident, from directly above the water table at the time of drilling. The number of soil strata and thickness were derived from the data provided in Table 1. The values are specific to the areas modeled. Two soils strata were modeled for the AES and CPCPRC areas, and one stratum for the Las Mareas area.

- SCS Soil Type: The J&E Model provides information for 12 U.S. Soil Conservation Service (SCS) soil types. CPCPRC soil descriptions are based on a separate system, the ASTM Unified Soil Classification System. For this modeling effort, CPCPRC has attempted to best fit the soils described in the field into the SCS soil type provided in the model.

  - Soil Type for Soil Stratum A
    - AES Area – Sandy Clay or SC (bulk density 1.63 g/cm^3)
    - Las Mareas Area – Sandy Clay or SC (bulk density 1.63 g/cm^3)
    - CPCPRC Area – Clay Loam or CL (bulk density 1.48 g/cm^3)

- Beneath this interval, the following soil types were used:

  - Soil Type for Soil Stratum B
    - AES Area - Clay or C (bulk density 1.43 g/cm^3)
    - Las Mareas Area – Not applicable.
    - CPCPRC Area – Sandy Loam or SL (bulk density 1.62 g/cm^3)

- Total Porosity for Stratum A (n^A): The porosity varies from 0.39 to 0.44 for the different soil types.

- Total Porosity for Stratum B (n^B): The porosity varies from 0.39 to 0.46 for the different soil types.

- Water-Filled Porosity for Stratum A: Average long-term volumetric soil moisture content that is typically a depth-averaged value for the appropriate soil stratum. Water-filled porosity is observed to vary seasonally, and sometimes daily. CPCPRC used the average ASTM values of 17 to 20 percent for the different soil types.

- Water-Filled Porosity for Stratum B: The porosity for stratum B varies from 10 to 22 percent.

- Enclosed Space Floor Thickness (L_{crack}): A slab thickness of 3 feet, or 91 cm was used for the AES administration building and coal conveyance structure. A thickness of 1.25 feet, or 46 cm was used for the Las Mareas residence, and a thickness of 2 feet, or 61 cm was used for the CPCPRC administration building. The model operates under the assumption that the floor is in contact with the underlying soil and is composed of impermeable concrete whether constructed as a basement floor or slab on grade.

- Soil-Building Pressure Differential: Because of wind effects on the structure, stack effects due to heating of the interior air, and unbalanced mechanical ventilation, a negative pressure with respect to the soil surface is generated within the structure. This pressure differential (ΔP) induces a flow of soil gas through the soil matrix and into the structure through cracks, gaps, and openings in the foundation. The effective range of values of (ΔP) is 0 to 20 Pascals (Loureiro et al., 1990; Eaton and Scott, 1984). Individual average values for wind effects and stack effects are approximately 2 Pa (Nazaroff et al., 1985; Put and Meijer, 1989). Typical values for the combined effects of wind pressures and heating are 4 to 5 Pa (Loureiro et al., 1990; Grimsrud et al., 1983). A conservative default value of ΔP was therefore chosen to be 4 Pa (40 g/ cm-s^2). This default value of 40 g/cm-s^2 was used in the modeling effort.

- AES Administration Building Dimensions:

  - Floor Length (L_B): 200 feet or 6,096 cm.
  - Floor Width (W_B): 150 feet or 4,572 cm.
  - Enclosed Space Height (H_B): 10 feet or 305 cm.

- AES Coal Conveyance Structure Dimensions:

  - Floor Length (L_B): 400 feet or 12,192 cm.
  - Floor Width (W_B): 25 feet or 762 cm.
  - Enclosed Space Height (H_B): 20 feet or 610 cm.

- Las Mareas Residence Dimensions:

  - Floor Length (L_B): 35 feet or 1,067 cm.
  - Floor Width (W_B): 35 feet or 1,067 cm.

Enclosed Space Height (H_B): 10 feet or 305 cm.

- CPCPRC Administration Building Dimensions:

  - Floor Length (L_B): 212 feet or 6,462 cm.

– Floor Width (W_B): 212 feet or 6,462 cm.

Enclosed Space Height (H_B): 12 feet or 366 cm.

- Floor-wall seam crack (w): The J&E model is based on a single-family house with a poured concrete basement floor and wall foundations, or constructed slab on grade in similar fashion. A gap is assumed to exist at the junction between the floor and the foundation along the perimeter of the floor. The gap exists as a result of building design or concrete shrinkage. This gap is assumed to be the only opening in the understructure of the house and, therefore, the only route for soil gas entry.

- Eaton and Scott (1984) reported typical open areas of joints between wall and floor slabs of residential structures in Canada of approximately 300 cm^2. Therefore, given the default floor length and width of 961 cm, a gap width (w) of 0.1 cm equates to a total gap area of 384 cm^2, which is reasonable given the findings of Eaton and Scott. This value of the gap width is also consistent with the typical value reported in Loureiro et al. (1990).

  The default value of the floor-wall seam crack width of 0.1 cm was used in the modeling effort.

- Indoor air exchange rate (ER): The indoor air exchange rate is used, along with the building dimensions, to calculate the building ventilation rate. Based on the building properties in warm climate, the exchange rate of 1 volume change/hr was used for the AES and CPCPRC administration buildings, based on a study of office buildings by Persily (1989). The coal conveyance structure is really an open tunnel. An ER value of 2/h, based on a study of commercial and industrial buildings by MDEQ (1998), was used for the coal conveyance structure. Finally, the default value of 0.25/hr was used for the Las Mareas residence. Note that this value represents the lower 10^{th} percentile of over 2,000 residences studied and may overly estimate the indoor concentrations for residences typical of warm climates.

- Chemical Properties: The chemical properties embedded in the J&E model are presented in Table 5.

Table 6 presents the exposure parameters for the receptors evaluated. The exposure scenarios for the AES and the CPCPRC facilities assume an industrial worker in the administration building or coal conveyance structure. A standard set of exposure assumptions are used to derive the RBC for the industrial worker. The target risk (1×10^{-6}), target hazard quotient (0.1), carcinogenic averaging time (70 years), non-carcinogenic averaging time (25 years), exposure frequency (250 days per year) and exposure duration (25 years) were used for worker scenarios. The differences for the Las Mareas resident were non-carcinogenic averaging time (30 years), exposure frequency (350 days per year), and exposure duration (30 years).

Modeling Results

The J&E modeling results are shown in Tables 7 to 12. The general and chemical-specific intermediate calculation results are presented in Tables 7 and 8. The final chemical-specific intermediate results are provided in Table 9, and the final risk-based concentrations are provided in Table 10.

Specifically, the infinite source building indoor air concentrations provided in Table 9 are converted to equivalent groundwater concentrations (Table 10) using the unit risk factors (carcinogenic chemicals) and reference concentrations (non-carcinogenic chemicals), and the exposure parameters.

Also provided in Table 10, are the pure compound solubilities in groundwater. The significance of the pure compound solubility is that it represents the maximum dissolved concentration that can be achieved in water. If the calculated threshold concentration for a chemical is higher than its pure compound solubility, then it can be deduced that the chemical will not achieve a concentration in groundwater that would be of a concern for indoor inhalation. For example, 2-methylnaphthalene threshold concentration is higher than its pure compound solubility and the chemical is denoted with "NOC" in the last column in Table 10.

Regardless of the "NOC" determination in Table 10, the detected groundwater data for the AES, onsite, and Las Mareas areas were screened against the threshold concentrations. Table 11 presents the results of the threshold screening. The locations, chemicals, and concentrations that exceeded the threshold concentrations (preliminary remediation goal, PRG) are listed at the top with a "Y" in the "PRG Exceeded?" column. Other detected data that did not exceed the threshold concentrations are listed next.

Table 11 indicates that benzene was the only chemical exceeding the threshold concentrations for the AES_ADMIN, AES_COAL, and ONSITE_ADMIN scenarios. The Las Mareas area did not have any exceedances.

For the AES area, Table 2 indicates that a total of 55 results exist for benzene, of which 26 results were positive (detects). Of the 26 positive results, 19 results exceeded the thresholds for the AES_ADMIN and AES_COAL scenarios. Note that the 19 exceedances actually represent multiple data point for six locations. For the ONSITE_ADMIN scenario, a total of 11 results existed with two (2) detects, both belonging to one location (MW-111).

An evaluation of the individual locations exceeding the threshold concentrations was made for the scenarios. The J&E model predictions are generally considered valid within an influence radius of 100 feet. The influence radius would be considerably smaller when the groundwater depth is as shallow as 4 feet in the AES area. With only 4 feet of overburden the vapors would take a preferentially vertical path and may not disperse horizontally to a radius of 100 feet.

The location evaluation is presented in Table 12 in terms of distance from the respective enclosed buildings. The closest location (MW-165) to the AES administration building is some 775 feet away from the building, significantly outside the influence domain. Similarly, the closest and only onsite location where the RBC was exceeded (MW-111) is 775 feet away from the CPCPRC administration building. The location (GP-409) is somewhat close (325 feet) to the AES coal conveyance structure; however, the coal conveyance structure is not a true enclosed structure, nor is a worker is expected spend the entire workday for 250 days/year inside the structure, and the predicted concentration is only a factor of 1.5 above the threshold concentrations. Therefore, the apparent exceedance for the AES_COAL scenario does not appear to be realistic.

Uncertainty, Limitations and Assumptions

The following represent the major assumptions and limitations of the J&E model (EPA, 2003).

1. Contaminant vapors enter the structure primarily through cracks and openings in the walls and foundation.
2. Convective transport occurs primarily within the building zone of influence and vapor velocities decrease rapidly with increasing distance from the structure.
3. Diffusion dominates vapor transport between the source of contamination and the building zone of influence.
4. All vapors originating from below the building will enter the building unless the floors and walls are perfect vapor barriers.
5. All soil properties in any horizontal plane are homogeneous.
6. The contaminant is homogeneously distributed within the zone of contamination.
7. The areal extent of contamination is greater than that of the building floor in contact with the soil.
8. Vapor transport occurs in the absence of convective water movement within the soil column (i.e., evaporation or infiltration), and in the absence of mechanical dispersion.
9. The model does not account for transformation processes (e.g., biodegradation, hydrolysis, etc.).
10. The soil layer in contact with the structure floor and walls is isotropic with respect to permeability.

Additional assumptions specific to the application of the model for the site are contained in the *User's Guide for the Johnson And Ettinger (1991) Model for Subsurface Vapor Intrusion into Buildings* (EPA, 2003).

Use of the RBCs based on vapor intrusion assumes the receptor works or resides in a building that is directly over the source of the COCs. This is not the case in the AES facility exposure area – the plume is not below any structure but is generally beneath the surface water impoundment.

The AES facility exposure area involves an industrial worker exposure scenario at two structures: the administration building and a coal conveyance structure. However, of these two structures, only the administration building would be continually occupied by humans during operation of the plant. The coal conveyance structure would be periodically occupied by humans during repairs or maintenance activities and would not likely present a significant vapor intrusion/inhalation risk.

In the Las Mareas exposure area, although many homes are built on concrete piers, it has been conservatively assumed that the standard home is constructed as slab on grade. In addition, the windows of the houses consist of insect screens and louvers (i.e., no glass windows observed), likely resulting in a higher air exchange rate than 0.25 per hour.

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Area	SAMPLE_TYPE	CAS	PARAMETER
AES	GW	100-41-4	ETHYLBENZENE
AES	GW	108-88-3	TOLUENE
AES	GW	108-90-7	CHLOROBENZENE
AES	GW	1330-20-7	XYLENES (TOTAL)
AES	GW	1634-04-4	TERT-BUTYL METHYL ETHER
AES	GW	67-64-1	ACETONE
AES	GW	67-66-3	CHLOROFORM
AES	GW	71-43-2	BENZENE
AES	GW	74-87-3	CHLOROMETHANE
AES	GW	7439-97-6	MERCURY, DISSOLVED
AES	GW	7439-97-6	MERCURY, TOTAL
AES	GW	75-09-2	METHYLENE CHLORIDE
AES	GW	78-93-3	2-BUTANONE
AES	GW	86-73-7	FLUORENE
AES	GW	91-20-3	NAPHTHALENE
AES	GW	91-57-6	2-METHYLNAPHTHALENE
AES	GW	95-47-6	O-XYLENE
MAREAS	GW	1330-20-7	XYLENES (TOTAL)
MAREAS	GW	1634-04-4	TERT-BUTYL METHYL ETHER
MAREAS	GW	67-64-1	ACETONE
MAREAS	GW	7439-97-6	MERCURY, TOTAL
MAREAS	GW	75-09-2	METHYLENE CHLORIDE
MAREAS	GW	75-15-0	CARBON DISULFIDE
ONSITE_JE	GW	100-41-4	ETHYLBENZENE
ONSITE_JE	GW	108-88-3	TOLUENE
ONSITE_JE	GW	1330-20-7	XYLENES (TOTAL)
ONSITE_JE	GW	67-64-1	ACETONE
ONSITE_JE	GW	71-43-2	BENZENE
ONSITE_JE	GW	75-15-0	CARBON DISULFIDE
ONSITE_JE	GW	83-32-9	ACENAPHTHENE
ONSITE_JE	GW	86-73-7	FLUORENE
ONSITE_JE	GW	91-20-3	NAPHTHALENE
ONSITE_JE	GW	91-57-6	2-METHYLNAPHTHALENE

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
AES	GW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	41						5	3
AES	GW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	28	15	53.57%	9500	1220.6	26	50	9.25
AES	GW	ug/L	DISMET	7439-92-1	LEAD, DISSOLVED	48	4	8.33%	3.299999952	2.49999997	1.5	2.5	1
AES	GW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	28	28	100.00%	595000	176621.4286	30600		
AES	GW	ug/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	52	52	100.00%	6350	2349.253846	16		
AES	GW	ug/L	DISMET	7439-97-6	MERCURY, DISSOLVED	48	1	2.08%	0.028999999	0.028999999	0.028999999	0.100000001	0.028999999
AES	GW	ug/L	DISMET	7440-02-0	NICKEL, DISSOLVED	52	8	15.38%	140	63.44999999	3.599999905	20	0.600000024
AES	GW	UG/L	DISMET	7440-22-4	SILVER, DISSOLVED	20						1	0.349999994
AES	GW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	50	6	12.00%	120	73.96666666	3.799999952	50	1.700000048
AES	GW	ug/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	52	17	32.69%	17.39999962	9.241176556	1.100000024	2.5	0.5
AES	GW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	47	41	87.23%	1100	497.6829268	209	0.100000001	0.100000001
AES	GW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	50						2.5	0.680000007
AES	GW	ug/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	52	1	1.92%	4	4	4	2.5	0.25
AES	GW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	50	9	18.00%	12.80000019	2.141111142	0.519999981	5	0.5
AES	GW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	28	5	17.86%	28	10.11999989	3.299999952	5	0.560000002
AES	GW	ug/L	DISMET	7440-50-8	COPPER, DISSOLVED	52	6	11.54%	40	16.65000002	1.799999952	5	0.660000026
AES	GW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	50	10	20.00%	6.400000095	4.399999976	1.299999952	25	0.100000001
AES	GW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	50	37	74.00%	449	95.18918924	8.100000381	6.849999905	5
AES	GW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	50	13	26.00%	20.39999962	11.53846147	3	2.5	2.244999886
AES	GW	ug/L	GENX	1-00-3	CHLORIDE	53	53	100.00%	2660000	426311.3208	26900		
AES	GW	ug/L	GENX	18496-25-8	SULFIDE	44	18	40.91%	41800	2609.666667	22	250	2.5
AES	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	51	18	35.29%	510	156.7222222	20	25	2
AES	GW	ug/L	GENX	25-90-0	NITRATE AS N	51	14	27.45%	800	253.5714286	50	50	6.5
AES	GW	ug/L	GENX	3-03-5	SULFATE	53	39	73.58%	2340000	397846.1538	2000	5000	5000
AES	GW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	28	28	100.00%	894000	586250	326000		
AES	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	53						5000	500
AES	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	53	53	100.00%	1030000	658962.2642	322000		
AES	GW	UG/L	GENX	7440-09-7	POTASSIUM	43	16	37.21%	24600	6636.875	830	2500	44.04999924
AES	GW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	28	26	92.86%	12100	3773.5	660	44.04999924	34.75
AES	GW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	10	10	100.00%	5900	2846	860		
AES	GW	ug/L	GENX	7440-23-5	SODIUM	43	43	100.00%	812000	171992.093	30980		
AES	GW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	28	28	100.00%	744000	274425	62800		
AES	GW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	10	10	100.00%	678000	287540	58800		
AES	GW	ug/L	GENX	7440-70-2	CALCIUM	41	41	100.00%	459000	197056.0976	88700		
AES	GW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	28	28	100.00%	452000	218814.2857	51400		
AES	GW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	10	10	100.00%	458000	221190	70900		
AES	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	34	34	100.00%	2200	231.0882353	30		
AES	GW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	18	6	33.33%	3200	928.3333333	110	35	28.99999809
AES	GW	ug/L	GENX	7727-37-9	NITROGEN, TOTAL	2	2	100.00%	2210	1245	280		
AES	GW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	28	15	53.57%	820	296.2	35	380	6.25
AES	GW	ug/L	GENX	NH3 total	AMMONIA AS NH3, TOTAL	22	22	100.00%	960	314.5454545	30		
AES	GW	ug/L	GENX	nitrite as N	NITRITE AS N	51	16	31.37%	45	24.0625	10	50	5
AES	GW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	18	17	94.44%	12600000	1041470.588	6000	500	500
AES	GW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	18	18	100.00%	27200000	4439000	876000		
AES	GW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	50	17	34.00%	3700	1274.705882	290	500	140
AES	GW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	51	44	86.27%	340000	52293.63636	460	1000	61
AES	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	53	53	100.00%	5880000	1745169.811	411000		
AES	GW	ug/L	SVOA	100-01-6	4-NITROANILINE	52						25	0.800000012
AES	GW	ug/L	SVOA	100-02-7	4-NITROPHENOL	46						25	0.709999979
AES	GW	ug/L	SVOA	100-51-6	BENZYL ALCOHOL	52	1	1.92%	3.099999905	3.099999905	3.099999905	10	0.850000024
AES	GW	ug/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	52						5	0.221000001
AES	GW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	46	4	8.70%	50	25.47500002	3.900000095	5	0.675000012
AES	GW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	46	6	13.04%	70	36.65000002	4.900000095	5	0.340000004
AES	GW	ug/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	54						5	0.234999999
AES	GW	ug/L	SVOA	106-47-8	4-CHLOROANILINE	52						5	1.149999976
AES	GW	ug/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	52						5	0.200000003
AES	GW	ug/L	SVOA	108-95-2	PHENOL	48	15	31.25%	360	116.8666667	11	5	0.275000006
AES	GW	ug/L	SVOA	110-86-1	PYRIDINE	50						10	1.850000024
AES	GW	ug/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	52						5	0.275000006
AES	GW	ug/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	52						5	0.171499997
AES	GW	ug/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	52	26	50.00%	44	16.41538459	2.599999905	30.60000038	4.900000095
AES	GW	ug/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	52						5	0.699999988
AES	GW	ug/L	SVOA	118-74-1	HEXACHLOROBENZENE	52						5	0.730000019
AES	GW	ug/L	SVOA	120-12-7	ANTHRACENE	52						5	0.180000007
AES	GW	ug/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	54						5	0.25
AES	GW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	46						5	0.254999995
AES	GW	ug/L	SVOA	121-14-2	2,4-DINITROTOLUENE	52						5	0.550000012
AES	GW	ug/L	SVOA	129-00-0	PYRENE	52						5	0.370000005
AES	GW	ug/L	SVOA	131-11-3	DIMETHYLPHTHALATE	52						5	0.215000004

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
AES	GW	ug/L	SVOA	132-64-9	DIBENZOFURAN	52						5	0.171499997
AES	GW	ug/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	52						5	0.25999999
AES	GW	ug/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	52						5	0.800000012
AES	GW	ug/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	52						5	0.275000006
AES	GW	ug/L	SVOA	206-44-0	FLUORANTHENE	52						5	0.405000001
AES	GW	ug/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	52						5	0.219999999
AES	GW	ug/L	SVOA	208-96-8	ACENAPHTHYLENE	52						5	0.200000003
AES	GW	ug/L	SVOA	218-01-9	CHRYSENE	52						5	0.74000001
AES	GW	ug/L	SVOA	50-32-8	BENZO(A)PYRENE	52						5	0.25
AES	GW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	46						25	0.680000007
AES	GW	ug/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	52						5	0.275000006
AES	GW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	46						25	0.5
AES	GW	ug/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	54						5	0.25
AES	GW	ug/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	52						5	0.280000001
AES	GW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	17						3.049999952	0.899999976
AES	GW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	46						5	0.36500001
AES	GW	ug/L	SVOA	606-20-2	2,6-DINITROTOLUENE	52						5	0.379999995
AES	GW	ug/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	52						5	0.409999996
AES	GW	ug/L	SVOA	65-85-0	BENZOIC ACID	48	3	6.25%	110	58.89999994	7.699999809	25	1.25
AES	GW	ug/L	SVOA	67-72-1	HEXACHLOROETHANE	52						5	0.610000014
AES	GW	ug/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	52						5	0.175999999
AES	GW	ug/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	52						25	0.25
AES	GW	ug/L	SVOA	78-59-1	ISOPHORONE	52						5	0.289999992
AES	GW	ug/L	SVOA	83-32-9	ACENAPHTHENE	52						5	0.680000007
AES	GW	ug/L	SVOA	84-66-2	DIETHYLPHTHALATE	52						5	0.425500005
AES	GW	ug/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	52						5	0.425000012
AES	GW	ug/L	SVOA	85-01-8	PHENANTHRENE	52						5	0.714999974
AES	GW	ug/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	52						5	0.488000005
AES	GW	ug/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	52						5	0.850000024
AES	GW	ug/L	SVOA	86-73-7	FLUORENE	52	2	3.85%	3.099999905	3	2.900000095	5	0.234999999
AES	GW	UG/L	SVOA	87-61-6	1,2,3-TRICHLOROBENZENE	2						0.25	0.25
AES	GW	ug/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	54						5	0.25
AES	GW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	46						25	0.444999993
AES	GW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	46						5	0.294999987
AES	GW	ug/L	SVOA	88-74-4	2-NITROANILINE	52						25	0.453999996
AES	GW	ug/L	SVOA	88-75-5	2-NITROPHENOL	46						5	0.224999994
AES	GW	ug/L	SVOA	91-20-3	NAPHTHALENE	54	20	37.04%	80	38.85	10	5	0.25
AES	GW	ug/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	52	2	3.85%	2.700000048	2.5	2.299999952	5	0.324999988
AES	GW	ug/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	52						5	0.1875
AES	GW	ug/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	52						25	1.284999967
AES	GW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	46	3	6.52%	21	17	11	5	0.275000006
AES	GW	ug/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	54						5	0.25
AES	GW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	46						5	0.159999996
AES	GW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	46						5	0.234999999
AES	GW	ug/L	SVOA	98-95-3	NITROBENZENE	52						5	0.294999987
AES	GW	ug/L	SVOA	99-09-2	3-NITROANILINE	52						25	0.649999976
AES	GW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	28						5	3
AES	GW	ug/L	TOTMET	7439-89-6	IRON, TOTAL	53	53	100.00%	816000	34041.54717	308		
AES	GW	ug/L	TOTMET	7439-92-1	LEAD, TOTAL	53	7	13.21%	31.20000076	10.41428573	2	2.5	1
AES	GW	ug/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	53	53	100.00%	571000	136731.6981	29980		
AES	GW	ug/L	TOTMET	7439-96-5	MANGANESE, TOTAL	53	53	100.00%	34700	3540.981132	126		
AES	GW	ug/L	TOTMET	7439-97-6	MERCURY, TOTAL	52	7	13.46%	1.799999952	0.84642856	0.075000003	0.100000001	0.0085
AES	GW	ug/L	TOTMET	7440-02-0	NICKEL, TOTAL	53	14	26.42%	3450	310.0285714	2.200000048	20	2.625
AES	GW	UG/L	TOTMET	7440-22-4	SILVER, TOTAL	16	1	6.25%	4	4	4	2.5	0.904999971
AES	GW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	51	2	3.92%	143	101.5	60	50	2.50999999
AES	GW	ug/L	TOTMET	7440-38-2	ARSENIC, TOTAL	53	18	33.96%	73.19999695	13.83333327	1.600000024	2.5	0.75
AES	GW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	51	37	72.55%	5200	475.6486486	59	0.649999976	0.649999976
AES	GW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	51						2.5	0.680000007
AES	GW	ug/L	TOTMET	7440-43-9	CADMIUM, TOTAL	53	4	7.55%	63	22.82500005	5	2.5	0.555000007
AES	GW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	51	15	29.41%	1700	159.7666664	1.700000048	5.900000095	2.220000029
AES	GW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	28	12	42.86%	483	75.48333332	1.600000024	0.560000002	0.560000002
AES	GW	ug/L	TOTMET	7440-50-8	COPPER, TOTAL	53	22	41.51%	2120	195.4681817	4.099999905	5	0.660000026
AES	GW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	51	14	27.45%	2400	310.7857143	5.5	53	0.774999976
AES	GW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	51	15	29.41%	1440	222.0066667	10	30	5
AES	GW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	51	6	11.76%	26	16.33333357	4.599999905	12.5	2.244999886
AES	GW	ug/L	VOA	100-41-4	ETHYLBENZENE	55	13	23.64%	2600	925.6976923	14.06999969	5000	0.02
AES	GW	ug/L	VOA	100-42-5	STYRENE	55						5000	0.015
AES	GW	ug/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	55						5000	0.02
AES	GW	ug/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	55						5000	0.015

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
AES	GW	UG/L	VOA	106-43-4	4-CHLOROTOLUENE	2						0.25	0.25
AES	GW	UG/L	VOA	106-93-4	1,2-DIBROMOETHANE	2						0.25	0.25
AES	GW	ug/L	VOA	107-06-2	1,2-DICHLOROETHANE	55						5000	0.02
AES	GW	ug/L	VOA	108-05-4	VINYL ACETATE	53						50000	0.699999988
AES	GW	ug/L	VOA	108-10-1	4-METHYL-2-PENTANONE	53						60000	0.550000012
AES	GW	UG/L	VOA	108-67-8	1,3,5-TRIMETHYLBENZENE	2						0.25	0.25
AES	GW	UG/L	VOA	108-86-1	BROMOBENZENE	2						0.25	0.25
AES	GW	ug/L	VOA	108-88-3	TOLUENE	55	17	30.91%	20000	3850.917647	2.910000086	5000	0.01
AES	GW	ug/L	VOA	108-90-7	CHLOROBENZENE	55	6	10.91%	14	9.5	7	5000	0.02
AES	GW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	51						5000	1
AES	GW	ug/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	55						5000	0.02
AES	GW	ug/L	VOA	127-18-4	TETRACHLOROETHENE	55						5000	0.035
AES	GW	ug/L	VOA	1330-20-7	XYLENES (TOTAL)	55	15	27.27%	30000	8421.24	118.5999985	5000	0.25
AES	GW	UG/L	VOA	142-28-9	1,3-DICHLOROPROPANE	2						0.25	0.25
AES	GW	UG/L	VOA	156-59-2	CIS-1,2-DICHLOROETHENE	2						0.25	0.25
AES	GW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	53						5000	0.025
AES	GW	UG/L	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	2						2.5	2.5
AES	GW	ug/L	VOA	56-23-5	CARBON TETRACHLORIDE	55						5000	0.035
AES	GW	UG/L	VOA	563-58-6	1,1-DICHLOROPROPENE	2						0.25	0.25
AES	GW	ug/L	VOA	591-78-6	2-HEXANONE	53						50000	0.349999994
AES	GW	UG/L	VOA	594-20-7	2,2-DICHLOROPROPANE	2						0.25	0.25
AES	GW	UG/L	VOA	630-20-6	1,1,1,2-TETRACHLOROETHANE	2						0.25	0.25
AES	GW	ug/L	VOA	67-64-1	ACETONE	53	3	5.66%	37.09999847	14.69999949	2.5	100000	0.850000024
AES	GW	ug/L	VOA	67-66-3	CHLOROFORM	55	1	1.82%	3.099999905	3.099999905	3.099999905	5000	0.02
AES	GW	ug/L	VOA	71-43-2	BENZENE	55	26	47.27%	450000	134570.5746	2	2.5	0.035
AES	GW	ug/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	55						5000	0.02
AES	GW	ug/L	VOA	74-83-9	BROMOMETHANE	55						10000	0.02
AES	GW	ug/L	VOA	74-87-3	CHLOROMETHANE	55	1	1.82%	8.399999619	8.399999619	8.399999619	10000	0.039999999
AES	GW	UG/L	VOA	74-95-3	1,2-DIBROMOMETHANE	2						0.25	0.25
AES	GW	UG/L	VOA	74-97-5	BROMOCHLOROMETHANE	2						0.25	0.25
AES	GW	ug/L	VOA	75-00-3	CHLOROETHANE	55						10000	0.025
AES	GW	ug/L	VOA	75-01-4	VINYL CHLORIDE	55						10000	0.015
AES	GW	ug/L	VOA	75-09-2	METHYLENE CHLORIDE	55	4	7.27%	20.5	9.699999988	3.700000048	5000	0.079999998
AES	GW	ug/L	VOA	75-15-0	CARBON DISULFIDE	53						5000	0.354999989
AES	GW	ug/L	VOA	75-25-2	BROMOFORM	55						5000	0.25
AES	GW	ug/L	VOA	75-27-4	BROMODICHLOROMETHANE	55						5000	0.01
AES	GW	ug/L	VOA	75-34-3	1,1-DICHLOROETHANE	55						5000	0.02
AES	GW	ug/L	VOA	75-35-4	1,1-DICHLOROETHENE	55						5000	0.02
AES	GW	UG/L	VOA	75-69-4	TRICHLOROFLUOROMETHANE	2						0.25	0.25
AES	GW	UG/L	VOA	75-71-8	DICHLORODIFLUOROMETHANE	2						0.25	0.25
AES	GW	ug/L	VOA	78-87-5	1,2-DICHLOROPROPANE	55						5000	0.045000002
AES	GW	ug/L	VOA	78-93-3	2-BUTANONE	53	4	7.55%	10	5.100000024	1.799999952	50000	0.449999988
AES	GW	ug/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	55						5000	0.02
AES	GW	ug/L	VOA	79-01-6	TRICHLOROETHENE	55						5000	0.025
AES	GW	ug/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	55						5000	0.029999999
AES	GW	UG/L	VOA	95-47-6	O-XYLENE	20	1	5.00%	0.800000012	0.800000012	0.800000012	0.550000012	0.25
AES	GW	UG/L	VOA	95-49-8	2-CHLOROTOLUENE	2						0.25	0.25
AES	GW	UG/L	VOA	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	2						0.25	0.25
AES	GW	UG/L	VOA	96-18-4	1,2,3-TRICHLOROPROPANE	2						0.25	0.25
AES	GW	UG/L	VTIC	103-65-1	N-PROPYLBENZENE	2						0.25	0.25
AES	GW	UG/L	VTIC	104-51-8	N-BUTYLBENZENE	2						0.25	0.25
AES	GW	UG/L	VTIC	135-98-8	SEC-BUTYLBENZENE	2						0.25	0.25
AES	GW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	28	10	35.71%	56	12.56099993	0.409999996	600	0.349999994
AES	GW	UG/L	VTIC	95-63-6	1,2,4-TRIMETHYLBENZENE	2						0.25	0.25
AES	GW	UG/L	VTIC	98-06-6	TERT-BUTYLBENZENE	2						0.25	0.25

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
AES	SB	ug/Kg	METALS	7440-22-4	SILVER	2						555	550
AES	SB	ug/Kg	METALS	7440-36-0	ANTIMONY	6	2	33.33%	820	690	560	650	550
AES	SB	ug/Kg	METALS	7440-38-2	ARSENIC	12	12	100.00%	16400	4527.5	1200		
AES	SB	ug/Kg	METALS	7440-39-3	BARIUM	12	12	100.00%	140000	86958.33333	34700		
AES	SB	ug/Kg	METALS	7440-41-7	BERYLLIUM	10						330	120
AES	SB	ug/Kg	METALS	7440-43-9	CADMIUM	12	10	83.33%	1600	1300	1000	450.5	446.5
AES	SB	ug/Kg	METALS	7440-47-3	CHROMIUM	12	12	100.00%	18000	12561.66667	6040		
AES	SB	ug/Kg	METALS	7440-48-4	COBALT	10	10	100.00%	23400	19360	13700		
AES	SB	ug/Kg	METALS	7440-50-8	COPPER	10	10	100.00%	99500	77910	48700		
AES	SB	ug/Kg	METALS	7440-62-2	VANADIUM	10	10	100.00%	187000	133420	99200		
AES	SB	ug/Kg	METALS	7440-66-6	ZINC	10	10	100.00%	85200	67950	49300		
AES	SB	ug/Kg	METALS	7782-49-2	SELENIUM	12	2	16.67%	740	565	390	1400	230.5
AES	SB	ug/kg	SVOA	100-01-6	4-NITROANILINE	12						1850	90
AES	SB	ug/kg	SVOA	100-02-7	4-NITROPHENOL	10						1850	900
AES	SB	ug/kg	SVOA	100-51-6	BENZYL ALCOHOL	12						380	80
AES	SB	ug/kg	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	12						380	80
AES	SB	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	10						380	185
AES	SB	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	10						380	185
AES	SB	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	12						380	46
AES	SB	ug/kg	SVOA	106-47-8	4-CHLOROANILINE	12						380	170
AES	SB	ug/kg	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	12						380	46
AES	SB	ug/kg	SVOA	108-95-2	PHENOL	10	1	10.00%	83	83	83	380	185
AES	SB	ug/kg	SVOA	110-86-1	PYRIDINE	10						750	365
AES	SB	ug/kg	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	12						380	46
AES	SB	ug/kg	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	12						380	46
AES	SB	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	12	2	16.67%	1600	1105	610	380	185
AES	SB	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	12						380	80
AES	SB	ug/kg	SVOA	118-74-1	HEXACHLOROBENZENE	12						380	55
AES	SB	ug/kg	SVOA	120-12-7	ANTHRACENE	12						380	46
AES	SB	ug/kg	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	12						380	55
AES	SB	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	10						380	185
AES	SB	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	12						380	80
AES	SB	ug/kg	SVOA	129-00-0	PYRENE	12						380	46
AES	SB	ug/kg	SVOA	131-11-3	DIMETHYLPHTHALATE	12						380	46
AES	SB	ug/kg	SVOA	132-64-9	DIBENZOFURAN	12						380	70
AES	SB	ug/kg	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	12						380	90
AES	SB	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	12						380	90
AES	SB	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	12						380	55
AES	SB	ug/kg	SVOA	206-44-0	FLUORANTHENE	12						380	46
AES	SB	ug/kg	SVOA	207-08-9	BENZO(K)FLUORANTHENE	12						380	55
AES	SB	ug/kg	SVOA	208-96-8	ACENAPHTHYLENE	12						380	46
AES	SB	ug/kg	SVOA	218-01-9	CHRYSENE	12						380	55
AES	SB	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	12						380	80
AES	SB	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	10						1850	900
AES	SB	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	12						380	90
AES	SB	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	10						1850	900
AES	SB	ug/kg	SVOA	541-73-1	1,3-DICHLOROBENZENE	12						380	46
AES	SB	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	12						380	55
AES	SB	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	10						380	185
AES	SB	ug/kg	SVOA	606-20-2	2,6-DINITROTOLUENE	12						380	80
AES	SB	ug/kg	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	12						380	55
AES	SB	ug/kg	SVOA	65-85-0	BENZOIC ACID	12						1850	480
AES	SB	ug/kg	SVOA	67-72-1	HEXACHLOROETHANE	12						380	55
AES	SB	ug/kg	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	12						380	55
AES	SB	ug/kg	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	12						1850	550
AES	SB	ug/kg	SVOA	78-59-1	ISOPHORONE	12						380	46
AES	SB	ug/kg	SVOA	83-32-9	ACENAPHTHENE	12						380	46
AES	SB	ug/kg	SVOA	84-66-2	DIETHYLPHTHALATE	12						750	46
AES	SB	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	12						380	46
AES	SB	ug/kg	SVOA	85-01-8	PHENANTHRENE	12						380	46
AES	SB	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	12						380	55
AES	SB	ug/kg	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	12						380	46
AES	SB	ug/kg	SVOA	86-73-7	FLUORENE	12	1	8.33%	52	52	52	380	46
AES	SB	ug/kg	SVOA	87-68-3	HEXACHLOROBUTADIENE	12						380	80
AES	SB	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	10						1850	900
AES	SB	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	10						380	185
AES	SB	ug/kg	SVOA	88-74-4	2-NITROANILINE	12						1850	90
AES	SB	ug/kg	SVOA	88-75-5	2-NITROPHENOL	10						380	185
AES	SB	ug/kg	SVOA	91-20-3	NAPHTHALENE	12						380	46

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
AES	SB	ug/kg	SVOA	91-57-6	2-METHYLNAPHTHALENE	12						380	55
AES	SB	ug/kg	SVOA	91-58-7	2-CHLORONAPHTHALENE	12						380	46
AES	SB	ug/kg	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	12						1850	285
AES	SB	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	10						380	185
AES	SB	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	12						380	46
AES	SB	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	10						380	185
AES	SB	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	10						380	185
AES	SB	ug/kg	SVOA	98-95-3	NITROBENZENE	12						380	46
AES	SB	ug/kg	SVOA	99-09-2	3-NITROANILINE	12						1850	170
AES	SB	ug/kg	VOA	100-41-4	ETHYLBENZENE	12	1	8.33%	2800	2800	2800	170	2.799999952
AES	SB	ug/kg	VOA	100-42-5	STYRENE	12						750	2.799999952
AES	SB	ug/kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	12						750	2.799999952
AES	SB	ug/kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	12						750	2.799999952
AES	SB	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	12						750	2.799999952
AES	SB	ug/kg	VOA	108-05-4	VINYL ACETATE	12						1550	2.849999905
AES	SB	ug/kg	VOA	108-10-1	4-METHYL-2-PENTANONE	12						3050	5.5
AES	SB	ug/kg	VOA	108-88-3	TOLUENE	12	2	16.67%	9.600000381	5.300000191	1	750	2.799999952
AES	SB	ug/kg	VOA	108-90-7	CHLOROBENZENE	12						750	2.799999952
AES	SB	ug/kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	10						7500	28
AES	SB	ug/kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	12						750	2.799999952
AES	SB	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	12	1	8.33%	7.900000095	7.900000095	7.900000095	750	2.799999952
AES	SB	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	12	2	16.67%	2700	1585	470	6	2.799999952
AES	SB	ug/kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	10						380	1.399999976
AES	SB	UG/KG	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	2						3	2.849999905
AES	SB	ug/kg	VOA	56-23-5	CARBON TETRACHLORIDE	12						750	2.799999952
AES	SB	ug/kg	VOA	591-78-6	2-HEXANONE	12						3050	5.5
AES	SB	ug/kg	VOA	67-64-1	ACETONE	12	6	50.00%	52	21.5666666	8.399999619	3050	5.5
AES	SB	ug/kg	VOA	67-66-3	CHLOROFORM	12						1550	2.849999905
AES	SB	ug/kg	VOA	71-43-2	BENZENE	12	1	8.33%	760	760	760	750	2.799999952
AES	SB	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	12	3	25.00%	15	5.726666649	0.879999995	750	2.799999952
AES	SB	ug/kg	VOA	74-83-9	BROMOMETHANE	12						1550	2.849999905
AES	SB	ug/kg	VOA	74-87-3	CHLOROMETHANE	12						1550	2.849999905
AES	SB	ug/kg	VOA	75-00-3	CHLOROETHANE	12						1550	2.849999905
AES	SB	ug/kg	VOA	75-01-4	VINYL CHLORIDE	12						1550	2.849999905
AES	SB	ug/kg	VOA	75-09-2	METHYLENE CHLORIDE	12						750	2.849999905
AES	SB	ug/kg	VOA	75-15-0	CARBON DISULFIDE	12	1	8.33%	34	34	34	750	2.799999952
AES	SB	ug/kg	VOA	75-25-2	BROMOFORM	12						750	2.799999952
AES	SB	ug/kg	VOA	75-27-4	BROMODICHLOROMETHANE	12						750	2.799999952
AES	SB	ug/kg	VOA	75-34-3	1,1-DICHLOROETHANE	12	1	8.33%	5.699999809	5.699999809	5.699999809	750	2.799999952
AES	SB	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	12						750	2.799999952
AES	SB	ug/kg	VOA	78-87-5	1,2-DICHLOROPROPANE	12						750	2.799999952
AES	SB	ug/kg	VOA	78-93-3	2-BUTANONE	12	5	41.67%	22	9.359999943	4.900000095	3050	5.5
AES	SB	ug/kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	12						750	2.799999952
AES	SB	ug/kg	VOA	79-01-6	TRICHLOROETHENE	12						750	2.799999952
AES	SB	ug/kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	12						750	2.799999952
AES	SB	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	10						3050	11
AES	SD	ug/Kg	GENX	7440-09-7	POTASSIUM	20	20	100.00%	2070000	830500	432000		
AES	SD	ug/Kg	GENX	7440-23-5	SODIUM	20	20	100.00%	1680000	1057100	572000		
AES	SD	ug/Kg	GENX	7440-70-2	CALCIUM	20	20	100.00%	117000000	23761500	6040000		
AES	SD	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	20	20	100.00%	11100000	6178500	2020000		
AES	SD	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	20						65	60
AES	SD	ug/Kg	METALS	7439-89-6	IRON	20	20	100.00%	48700000	40335000	24900000		
AES	SD	ug/Kg	METALS	7439-92-1	LEAD	20	20	100.00%	14200	4270	1700		
AES	SD	ug/Kg	METALS	7439-95-4	MAGNESIUM	20	20	100.00%	25500000	14435000	10900000		
AES	SD	ug/Kg	METALS	7439-96-5	MANGANESE	20	20	100.00%	1480000	982250	601000		
AES	SD	ug/Kg	METALS	7439-97-6	MERCURY	20	20	100.00%	20	14.395	7.900000095		
AES	SD	ug/Kg	METALS	7440-02-0	NICKEL	20	20	100.00%	10100	8590	7200		
AES	SD	ug/Kg	METALS	7440-36-0	ANTIMONY	8	8	100.00%	760	668.75	510		
AES	SD	ug/Kg	METALS	7440-38-2	ARSENIC	20	20	100.00%	9000	3360	1800		
AES	SD	ug/Kg	METALS	7440-39-3	BARIUM	20	20	100.00%	167000	101195	62500		
AES	SD	ug/Kg	METALS	7440-41-7	BERYLLIUM	20	2	10.00%	170	145	120	400	305
AES	SD	ug/Kg	METALS	7440-43-9	CADMIUM	20	12	60.00%	2100	1369.166667	830	330	310
AES	SD	ug/Kg	METALS	7440-47-3	CHROMIUM	20	20	100.00%	15600	13290	8800		
AES	SD	ug/Kg	METALS	7440-48-4	COBALT	20	20	100.00%	24900	20640	13400		
AES	SD	ug/Kg	METALS	7440-50-8	COPPER	20	20	100.00%	107000	79675	51900		
AES	SD	ug/Kg	METALS	7440-62-2	VANADIUM	20	20	100.00%	150000	125285	81700		
AES	SD	ug/Kg	METALS	7440-66-6	ZINC	20	20	100.00%	102000	77365	53800		
AES	SD	ug/Kg	METALS	7782-49-2	SELENIUM	12						335	305
AES	SD	ug/kg	SVOA	100-01-6	4-NITROANILINE	20						1100	950

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
AES	SD	ug/kg	SVOA	100-02-7	4-NITROPHENOL	20						1100	950
AES	SD	ug/kg	SVOA	100-51-6	BENZYL ALCOHOL	20						220	200
AES	SD	ug/kg	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	20						220	200
AES	SD	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	20						220	200
AES	SD	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	20						220	200
AES	SD	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	20						220	200
AES	SD	ug/kg	SVOA	106-47-8	4-CHLOROANILINE	20						220	200
AES	SD	ug/kg	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	20						220	200
AES	SD	ug/kg	SVOA	108-95-2	PHENOL	20						220	200
AES	SD	ug/kg	SVOA	110-86-1	PYRIDINE	20						445	400
AES	SD	ug/kg	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	20						220	200
AES	SD	ug/kg	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	20						220	200
AES	SD	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	20						220	200
AES	SD	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	20						220	200
AES	SD	ug/kg	SVOA	118-74-1	HEXACHLOROBENZENE	20						220	200
AES	SD	ug/kg	SVOA	120-12-7	ANTHRACENE	20						220	200
AES	SD	ug/kg	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	20						220	200
AES	SD	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	20						220	200
AES	SD	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	20						220	200
AES	SD	ug/kg	SVOA	129-00-0	PYRENE	20						220	200
AES	SD	ug/kg	SVOA	131-11-3	DIMETHYLPHTHALATE	20						220	200
AES	SD	ug/kg	SVOA	132-64-9	DIBENZOFURAN	20						220	200
AES	SD	ug/kg	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	20						220	200
AES	SD	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	20						220	200
AES	SD	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	20						220	200
AES	SD	ug/kg	SVOA	206-44-0	FLUORANTHENE	20						220	200
AES	SD	ug/kg	SVOA	207-08-9	BENZO(K)FLUORANTHENE	20						220	200
AES	SD	ug/kg	SVOA	208-96-8	ACENAPHTHYLENE	20						220	200
AES	SD	ug/kg	SVOA	218-01-9	CHRYSENE	20						220	200
AES	SD	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	20						220	200
AES	SD	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	20						1100	950
AES	SD	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	20						220	200
AES	SD	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	20						1100	950
AES	SD	ug/kg	SVOA	541-73-1	1,3-DICHLOROBENZENE	20						220	200
AES	SD	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	20						220	200
AES	SD	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	20						220	200
AES	SD	ug/kg	SVOA	606-20-2	2,6-DINITROTOLUENE	20						220	200
AES	SD	ug/kg	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	20						220	200
AES	SD	ug/kg	SVOA	65-85-0	BENZOIC ACID	20						1100	950
AES	SD	ug/kg	SVOA	67-72-1	HEXACHLOROETHANE	20						220	200
AES	SD	ug/kg	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	20						220	200
AES	SD	ug/kg	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	20						1100	950
AES	SD	ug/kg	SVOA	78-59-1	ISOPHORONE	20						220	200
AES	SD	ug/kg	SVOA	83-32-9	ACENAPHTHENE	20						220	200
AES	SD	ug/kg	SVOA	84-66-2	DIETHYLPHTHALATE	20						445	400
AES	SD	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	20						220	200
AES	SD	ug/kg	SVOA	85-01-8	PHENANTHRENE	20						220	200
AES	SD	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	20						220	200
AES	SD	ug/kg	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	20						220	200
AES	SD	ug/kg	SVOA	86-73-7	FLUORENE	20						220	200
AES	SD	ug/kg	SVOA	87-68-3	HEXACHLOROBUTADIENE	20						220	200
AES	SD	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	20						1100	950
AES	SD	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	20						220	200
AES	SD	ug/kg	SVOA	88-74-4	2-NITROANILINE	20						1100	950
AES	SD	ug/kg	SVOA	88-75-5	2-NITROPHENOL	20						220	200
AES	SD	ug/kg	SVOA	91-20-3	NAPHTHALENE	20						220	200
AES	SD	ug/kg	SVOA	91-57-6	2-METHYLNAPHTHALENE	20						220	200
AES	SD	ug/kg	SVOA	91-58-7	2-CHLORONAPHTHALENE	20						220	200
AES	SD	ug/kg	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	20						1100	950
AES	SD	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	20						220	200
AES	SD	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	20						220	200
AES	SD	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	20						220	200
AES	SD	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	20						220	200
AES	SD	ug/kg	SVOA	98-95-3	NITROBENZENE	20						220	200
AES	SD	ug/kg	SVOA	99-09-2	3-NITROANILINE	20						1100	950
AES	SD	ug/kg	VOA	100-41-4	ETHYLBENZENE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	100-42-5	STYRENE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	20						3.349999905	3.049999952

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
AES	SD	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	108-05-4	VINYL ACETATE	20						6.5	6
AES	SD	ug/kg	VOA	108-10-1	4-METHYL-2-PENTANONE	20						13.5	12
AES	SD	ug/kg	VOA	108-88-3	TOLUENE	20	4	20.00%	4.099999905	1.974999994	1.200000048	3.349999905	3.099999905
AES	SD	ug/kg	VOA	108-90-7	CHLOROBENZENE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	20						33.5	30.5
AES	SD	ug/kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	20	1	5.00%	4.400000095	4.400000095	4.400000095	3.349999905	3.049999952
AES	SD	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	20						1.700000048	1.5
AES	SD	ug/kg	VOA	56-23-5	CARBON TETRACHLORIDE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	591-78-6	2-HEXANONE	20						13.5	12
AES	SD	ug/kg	VOA	67-64-1	ACETONE	20	15	75.00%	110	21.58000002	6.5	13	12.5
AES	SD	ug/kg	VOA	67-66-3	CHLOROFORM	20						6.5	6
AES	SD	ug/kg	VOA	71-43-2	BENZENE	20	1	5.00%	0.779999971	0.779999971	0.779999971	3.349999905	3.049999952
AES	SD	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	20	14	70.00%	2.799999952	1.067142861	0.649999976	3.349999905	3.099999905
AES	SD	ug/kg	VOA	74-83-9	BROMOMETHANE	20						6.5	6
AES	SD	ug/kg	VOA	74-87-3	CHLOROMETHANE	20						6.5	6
AES	SD	ug/kg	VOA	75-00-3	CHLOROETHANE	20						6.5	6
AES	SD	ug/kg	VOA	75-01-4	VINYL CHLORIDE	20						6.5	6
AES	SD	ug/kg	VOA	75-09-2	METHYLENE CHLORIDE	20	3	15.00%	2.099999905	1.766666651	1.5	6.699999809	0.939999998
AES	SD	ug/kg	VOA	75-15-0	CARBON DISULFIDE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	75-25-2	BROMOFORM	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	75-27-4	BROMODICHLOROMETHANE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	75-34-3	1,1-DICHLOROETHANE	20	1	5.00%	1.200000048	1.200000048	1.200000048	3.349999905	3.049999952
AES	SD	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	78-87-5	1,2-DICHLOROPROPANE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	78-93-3	2-BUTANONE	20	11	55.00%	24	8.190909082	5.699999809	13	12.5
AES	SD	ug/kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	79-01-6	TRICHLOROETHENE	20						3.349999905	3.049999952
AES	SD	ug/kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	20						3.349999905	3.049999952
AES	SD	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	20						13.5	12
AES	SS	ug/Kg	GENX	7440-09-7	POTASSIUM	10	10	100.00%	1290000	697900	436000		
AES	SS	ug/Kg	GENX	7440-23-5	SODIUM	10	10	100.00%	2270000	1014100	256000		
AES	SS	ug/Kg	GENX	7440-70-2	CALCIUM	10	10	100.00%	36100000	17475000	8080000		
AES	SS	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	10	10	100.00%	14600000	5291000	1300000		
AES	SS	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	10						65	55
AES	SS	ug/Kg	METALS	7439-89-6	IRON	10	10	100.00%	56400000	44590000	36500000		
AES	SS	ug/Kg	METALS	7439-92-1	LEAD	10	10	100.00%	5800	2552	820		
AES	SS	ug/Kg	METALS	7439-95-4	MAGNESIUM	10	10	100.00%	16900000	12400000	8480000		
AES	SS	ug/Kg	METALS	7439-96-5	MANGANESE	10	10	100.00%	1340000	993500	544000		
AES	SS	ug/Kg	METALS	7439-97-6	MERCURY	10	9	90.00%	24	12.49999995	5.199999809	18.5	18.5
AES	SS	ug/Kg	METALS	7440-02-0	NICKEL	10	10	100.00%	10000	8040	5500		
AES	SS	ug/Kg	METALS	7440-36-0	ANTIMONY	6	3	50.00%	770	570	430	650	550
AES	SS	ug/Kg	METALS	7440-38-2	ARSENIC	10	9	90.00%	4600	2433.333333	1200	1400	1400
AES	SS	ug/Kg	METALS	7440-39-3	BARIUM	10	10	100.00%	165000	79130	36200		
AES	SS	ug/Kg	METALS	7440-41-7	BERYLLIUM	10						340	210
AES	SS	ug/Kg	METALS	7440-43-9	CADMIUM	10	10	100.00%	2000	1640	1200		
AES	SS	ug/Kg	METALS	7440-47-3	CHROMIUM	10	10	100.00%	15600	10800	5200		
AES	SS	ug/Kg	METALS	7440-48-4	COBALT	10	10	100.00%	30100	23530	18200		
AES	SS	ug/Kg	METALS	7440-50-8	COPPER	10	10	100.00%	149000	99720	72900		
AES	SS	ug/Kg	METALS	7440-62-2	VANADIUM	10	10	100.00%	192000	153300	120000		
AES	SS	ug/Kg	METALS	7440-66-6	ZINC	10	10	100.00%	91900	72880	42200		
AES	SS	ug/Kg	METALS	7782-49-2	SELENIUM	10						1550	280
AES	SS	ug/kg	SVOA	100-01-6	4-NITROANILINE	10						1000	900
AES	SS	ug/kg	SVOA	100-02-7	4-NITROPHENOL	10						1000	900
AES	SS	ug/kg	SVOA	100-51-6	BENZYL ALCOHOL	10						210	180
AES	SS	ug/kg	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	10						210	180
AES	SS	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	10						210	180
AES	SS	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	10						210	180
AES	SS	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	10						210	180
AES	SS	ug/kg	SVOA	106-47-8	4-CHLOROANILINE	10						210	180
AES	SS	ug/kg	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	10						210	180
AES	SS	ug/kg	SVOA	108-95-2	PHENOL	10						210	180
AES	SS	ug/kg	SVOA	110-86-1	PYRIDINE	10						420	360
AES	SS	ug/kg	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	10						210	180
AES	SS	ug/kg	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	10						210	180
AES	SS	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	10	1	10.00%	69	69	69	210	180
AES	SS	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	10						210	180

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
AES	SS	ug/kg	SVOA	118-74-1	HEXACHLOROBENZENE	10						210	180
AES	SS	ug/kg	SVOA	120-12-7	ANTHRACENE	10						210	180
AES	SS	ug/kg	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	10						210	180
AES	SS	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	10						210	180
AES	SS	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	10						210	180
AES	SS	ug/kg	SVOA	129-00-0	PYRENE	10						210	180
AES	SS	ug/kg	SVOA	131-11-3	DIMETHYLPHTHALATE	10						210	180
AES	SS	ug/kg	SVOA	132-64-9	DIBENZOFURAN	10						210	180
AES	SS	ug/kg	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	10						210	180
AES	SS	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	10						210	180
AES	SS	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	10						210	180
AES	SS	ug/kg	SVOA	206-44-0	FLUORANTHENE	10						210	180
AES	SS	ug/kg	SVOA	207-08-9	BENZO(K)FLUORANTHENE	10						210	180
AES	SS	ug/kg	SVOA	208-96-8	ACENAPHTHYLENE	10						210	180
AES	SS	ug/kg	SVOA	218-01-9	CHRYSENE	10						210	180
AES	SS	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	10						210	180
AES	SS	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	10						1000	900
AES	SS	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	10						210	180
AES	SS	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	10						1000	900
AES	SS	ug/kg	SVOA	541-73-1	1,3-DICHLOROBENZENE	10						210	180
AES	SS	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	10						210	180
AES	SS	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	10						210	180
AES	SS	ug/kg	SVOA	606-20-2	2,6-DINITROTOLUENE	10						210	180
AES	SS	ug/kg	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	10						210	180
AES	SS	ug/kg	SVOA	65-85-0	BENZOIC ACID	10						1000	900
AES	SS	ug/kg	SVOA	67-72-1	HEXACHLOROETHANE	10						210	180
AES	SS	ug/kg	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	10						210	180
AES	SS	ug/kg	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	10						1000	900
AES	SS	ug/kg	SVOA	78-59-1	ISOPHORONE	10						210	180
AES	SS	ug/kg	SVOA	83-32-9	ACENAPHTHENE	10						210	180
AES	SS	ug/kg	SVOA	84-66-2	DIETHYLPHTHALATE	10						420	360
AES	SS	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	10						210	180
AES	SS	ug/kg	SVOA	85-01-8	PHENANTHRENE	10						210	180
AES	SS	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	10						210	180
AES	SS	ug/kg	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	10						210	180
AES	SS	ug/kg	SVOA	86-73-7	FLUORENE	10						210	180
AES	SS	ug/kg	SVOA	87-68-3	HEXACHLOROBUTADIENE	10						210	180
AES	SS	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	10						1000	900
AES	SS	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	10						210	180
AES	SS	ug/kg	SVOA	88-74-4	2-NITROANILINE	10						1000	900
AES	SS	ug/kg	SVOA	88-75-5	2-NITROPHENOL	10						210	180
AES	SS	ug/kg	SVOA	91-20-3	NAPHTHALENE	10						210	180
AES	SS	ug/kg	SVOA	91-57-6	2-METHYLNAPHTHALENE	10						210	180
AES	SS	ug/kg	SVOA	91-58-7	2-CHLORONAPHTHALENE	10						210	180
AES	SS	ug/kg	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	10						1000	900
AES	SS	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	10						210	180
AES	SS	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	10						210	180
AES	SS	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	10						210	180
AES	SS	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	10						210	180
AES	SS	ug/kg	SVOA	98-95-3	NITROBENZENE	10						210	180
AES	SS	ug/kg	SVOA	99-09-2	3-NITROANILINE	10						1000	900
AES	SS	ug/kg	VOA	100-41-4	ETHYLBENZENE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	100-42-5	STYRENE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	108-05-4	VINYL ACETATE	10						6.5	5.5
AES	SS	ug/kg	VOA	108-10-1	4-METHYL-2-PENTANONE	10						12.5	11
AES	SS	ug/kg	VOA	108-88-3	TOLUENE	10	3	30.00%	2	1.566666683	1.100000024	3.200000048	2.75
AES	SS	ug/kg	VOA	108-90-7	CHLOROBENZENE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	10						32	27.5
AES	SS	ug/kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	10	2	20.00%	1.700000048	1.600000024	1.5	3.200000048	2.75
AES	SS	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	10						3.200000048	2.75
AES	SS	ug/kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	10						1.600000024	1.350000024
AES	SS	ug/kg	VOA	56-23-5	CARBON TETRACHLORIDE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	591-78-6	2-HEXANONE	10						12.5	11
AES	SS	ug/kg	VOA	67-64-1	ACETONE	10	5	50.00%	12	8.540000057	5.300000191	12.5	11
AES	SS	ug/kg	VOA	67-66-3	CHLOROFORM	10						6.5	5.5

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
AES	SS	ug/kg	VOA	71-43-2	BENZENE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	10	6	60.00%	1.600000024	1.046666652	0.629999995	3.099999905	2.75
AES	SS	ug/kg	VOA	74-83-9	BROMOMETHANE	10						6.5	5.5
AES	SS	ug/kg	VOA	74-87-3	CHLOROMETHANE	10						6.5	5.5
AES	SS	ug/kg	VOA	75-00-3	CHLOROETHANE	10						6.5	5.5
AES	SS	ug/kg	VOA	75-01-4	VINYL CHLORIDE	10						6.5	5.5
AES	SS	ug/kg	VOA	75-09-2	METHYLENE CHLORIDE	10						6.400000095	2.950000048
AES	SS	ug/kg	VOA	75-15-0	CARBON DISULFIDE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	75-25-2	BROMOFORM	10						3.200000048	2.75
AES	SS	ug/kg	VOA	75-27-4	BROMODICHLOROMETHANE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	75-34-3	1,1-DICHLOROETHANE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	78-87-5	1,2-DICHLOROPROPANE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	78-93-3	2-BUTANONE	10	2	20.00%	5.400000095	4.600000024	3.799999952	12.5	11
AES	SS	ug/kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	79-01-6	TRICHLOROETHENE	10						3.200000048	2.75
AES	SS	ug/kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	10						3.200000048	2.75
AES	SS	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	10						12.5	11
AES	SW	ug/L	GENX	1-00-3	CHLORIDE	1	1	100.00%	1290000	1290000	1290000		
AES	SW	ug/L	GENX	18496-25-8	SULFIDE	1						25	25
AES	SW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	1	1	100.00%	72	72	72		
AES	SW	ug/L	GENX	25-90-0	NITRATE AS N	1						50	50
AES	SW	ug/L	GENX	3-03-5	SULFATE	1	1	100.00%	313000	313000	313000		
AES	SW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	1	1	100.00%	486000	486000	486000		
AES	SW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	1						2500	2500
AES	SW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	1	1	100.00%	486000	486000	486000		
AES	SW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	1	1	100.00%	11800	11800	11800		
AES	SW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	1	1	100.00%	517000	517000	517000		
AES	SW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	1	1	100.00%	194000	194000	194000		
AES	SW	ug/L	GENX	7723-14-0	PHOSPHORUS	1	1	100.00%	190	190	190		
AES	SW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	1	1	100.00%	150	150	150		
AES	SW	ug/L	GENX	nitrite as N	NITRITE AS N	1						50	50
AES	SW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	1	1	100.00%	1100	1100	1100		
AES	SW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	1	1	100.00%	15500	15500	15500		
AES	SW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	1	1	100.00%	3060000	3060000	3060000		
AES	SW	ug/L	SVOA	100-01-6	4-NITROANILINE	1						25	25
AES	SW	ug/L	SVOA	100-02-7	4-NITROPHENOL	1						25	25
AES	SW	ug/L	SVOA	100-51-6	BENZYL ALCOHOL	1						5	5
AES	SW	ug/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	1						5	5
AES	SW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	1						5	5
AES	SW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	1						5	5
AES	SW	ug/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	1						5	5
AES	SW	ug/L	SVOA	106-47-8	4-CHLOROANILINE	1						5	5
AES	SW	ug/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1						5	5
AES	SW	ug/L	SVOA	108-95-2	PHENOL	1						5	5
AES	SW	ug/L	SVOA	110-86-1	PYRIDINE	1						10	10
AES	SW	ug/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	1						5	5
AES	SW	ug/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	1						5	5
AES	SW	ug/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1						5	5
AES	SW	ug/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	1						5	5
AES	SW	ug/L	SVOA	118-74-1	HEXACHLOROBENZENE	1						5	5
AES	SW	ug/L	SVOA	120-12-7	ANTHRACENE	1						5	5
AES	SW	ug/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	1						5	5
AES	SW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	1						5	5
AES	SW	ug/L	SVOA	121-14-2	2,4-DINITROTOLUENE	1						5	5
AES	SW	ug/L	SVOA	129-00-0	PYRENE	1						5	5
AES	SW	ug/L	SVOA	131-11-3	DIMETHYLPHTHALATE	1						5	5
AES	SW	ug/L	SVOA	132-64-9	DIBENZOFURAN	1						5	5
AES	SW	ug/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	1						5	5
AES	SW	ug/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	1						5	5
AES	SW	ug/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	1						5	5
AES	SW	ug/L	SVOA	206-44-0	FLUORANTHENE	1						5	5
AES	SW	ug/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	1						5	5
AES	SW	ug/L	SVOA	208-96-8	ACENAPHTHYLENE	1						5	5
AES	SW	ug/L	SVOA	218-01-9	CHRYSENE	1						5	5
AES	SW	ug/L	SVOA	50-32-8	BENZO(A)PYRENE	1						5	5
AES	SW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	1						25	25
AES	SW	ug/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	1						5	5
AES	SW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	1						25	25

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
AES	SW	ug/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	1						5	5
AES	SW	ug/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	1						5	5
AES	SW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	1						5	5
AES	SW	ug/L	SVOA	606-20-2	2,6-DINITROTOLUENE	1						5	5
AES	SW	ug/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1						5	5
AES	SW	ug/L	SVOA	65-85-0	BENZOIC ACID	1						25	25
AES	SW	ug/L	SVOA	67-72-1	HEXACHLOROETHANE	1						5	5
AES	SW	ug/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	1						5	5
AES	SW	ug/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	1						25	25
AES	SW	ug/L	SVOA	78-59-1	ISOPHORONE	1						5	5
AES	SW	ug/L	SVOA	83-32-9	ACENAPHTHENE	1						5	5
AES	SW	ug/L	SVOA	84-66-2	DIETHYLPHTHALATE	1						5	5
AES	SW	ug/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	1						5	5
AES	SW	ug/L	SVOA	85-01-8	PHENANTHRENE	1						5	5
AES	SW	ug/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	1						5	5
AES	SW	ug/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	1						5	5
AES	SW	ug/L	SVOA	86-73-7	FLUORENE	1						5	5
AES	SW	ug/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	1						5	5
AES	SW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	1						25	25
AES	SW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	1						5	5
AES	SW	ug/L	SVOA	88-74-4	2-NITROANILINE	1						25	25
AES	SW	ug/L	SVOA	88-75-5	2-NITROPHENOL	1						5	5
AES	SW	ug/L	SVOA	91-20-3	NAPHTHALENE	1						5	5
AES	SW	ug/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	1						5	5
AES	SW	ug/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	1						5	5
AES	SW	ug/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	1						25	25
AES	SW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	1						5	5
AES	SW	ug/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	1						5	5
AES	SW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	1						5	5
AES	SW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	1						5	5
AES	SW	ug/L	SVOA	98-95-3	NITROBENZENE	1						5	5
AES	SW	ug/L	SVOA	99-09-2	3-NITROANILINE	1						25	25
AES	SW	ug/L	TOTMET	7439-89-6	IRON, TOTAL	1	1	100.00%	190	190	190		
AES	SW	ug/L	TOTMET	7439-92-1	LEAD, TOTAL	1						1.5	1.5
AES	SW	ug/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	1	1	100.00%	256000	256000	256000		
AES	SW	ug/L	TOTMET	7439-96-5	MANGANESE, TOTAL	1	1	100.00%	670	670	670		
AES	SW	ug/L	TOTMET	7439-97-6	MERCURY, TOTAL	1						0.100000001	0.100000001
AES	SW	ug/L	TOTMET	7440-02-0	NICKEL, TOTAL	1	1	100.00%	43	43	43		
AES	SW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	1						5	5
AES	SW	ug/L	TOTMET	7440-38-2	ARSENIC, TOTAL	1	1	100.00%	1.700000048	1.700000048	1.700000048		
AES	SW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	1	1	100.00%	190	190	190		
AES	SW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	1						2.5	2.5
AES	SW	ug/L	TOTMET	7440-43-9	CADMIUM, TOTAL	1						2.5	2.5
AES	SW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	1	1	100.00%	0.959999979	0.959999979	0.959999979		
AES	SW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	1						5	5
AES	SW	ug/L	TOTMET	7440-50-8	COPPER, TOTAL	1						5	5
AES	SW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	1	1	100.00%	3.200000048	3.200000048	3.200000048		
AES	SW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	1						10	10
AES	SW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	1						2.5	2.5
AES	SW	ug/L	VOA	100-41-4	ETHYLBENZENE	1						2	2
AES	SW	ug/L	VOA	100-42-5	STYRENE	1						2	2
AES	SW	ug/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	1						2	2
AES	SW	ug/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	1						2	2
AES	SW	ug/L	VOA	107-06-2	1,2-DICHLOROETHANE	1						2	2
AES	SW	ug/L	VOA	108-05-4	VINYL ACETATE	1						4	4
AES	SW	ug/L	VOA	108-10-1	4-METHYL-2-PENTANONE	1						10	10
AES	SW	ug/L	VOA	108-88-3	TOLUENE	1						2	2
AES	SW	ug/L	VOA	108-90-7	CHLOROBENZENE	1						2	2
AES	SW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	1						4	4
AES	SW	ug/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	1						2	2
AES	SW	ug/L	VOA	127-18-4	TETRACHLOROETHENE	1						2	2
AES	SW	ug/L	VOA	1330-20-7	XYLENES (TOTAL)	1						4	4
AES	SW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	1						1	1
AES	SW	ug/L	VOA	56-23-5	CARBON TETRACHLORIDE	1						2	2
AES	SW	ug/L	VOA	591-78-6	2-HEXANONE	1						10	10
AES	SW	ug/L	VOA	67-64-1	ACETONE	1						20	20
AES	SW	ug/L	VOA	67-66-3	CHLOROFORM	1						2	2
AES	SW	ug/L	VOA	71-43-2	BENZENE	1						2	2
AES	SW	ug/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	1						2	2

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
AES	SW	ug/L	VOA	74-83-9	BROMOMETHANE	1						4	4
AES	SW	ug/L	VOA	74-87-3	CHLOROMETHANE	1						4	4
AES	SW	ug/L	VOA	75-00-3	CHLOROETHANE	1						4	4
AES	SW	ug/L	VOA	75-01-4	VINYL CHLORIDE	1						2	2
AES	SW	ug/L	VOA	75-09-2	METHYLENE CHLORIDE	1						2	2
AES	SW	ug/L	VOA	75-15-0	CARBON DISULFIDE	1						2	2
AES	SW	ug/L	VOA	75-25-2	BROMOFORM	1						2	2
AES	SW	ug/L	VOA	75-27-4	BROMODICHLOROMETHANE	1						2	2
AES	SW	ug/L	VOA	75-34-3	1,1-DICHLOROETHANE	1						2	2
AES	SW	ug/L	VOA	75-35-4	1,1-DICHLOROETHENE	1						2	2
AES	SW	ug/L	VOA	78-87-5	1,2-DICHLOROPROPANE	1						2	2
AES	SW	ug/L	VOA	78-93-3	2-BUTANONE	1						10	10
AES	SW	ug/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	1						2	2
AES	SW	ug/L	VOA	79-01-6	TRICHLOROETHENE	1						2	2
AES	SW	ug/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	1						2	2
AES	SW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	1						10	10
BACKGROUND	SS	ug/Kg	GENX	57-12-5	CYANIDE	4	1	25.00%	140	140	140	295	285
BACKGROUND	SS	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	4	4	100.00%	6580000	4985000	3380000		
BACKGROUND	SS	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	17	2	11.76%	49	48	47	100	5
BACKGROUND	SS	ug/Kg	METALS	7439-89-6	IRON	10	10	100.00%	48300000	38120000	25300000		
BACKGROUND	SS	ug/Kg	METALS	7439-92-1	LEAD	25	25	100.00%	15000	4259.2	980		
BACKGROUND	SS	ug/Kg	METALS	7439-96-5	MANGANESE	22	22	100.00%	1050000	714500	8000		
BACKGROUND	SS	ug/Kg	METALS	7439-97-6	MERCURY	22	8	36.36%	390	61.16249999	3.799999952	55	16
BACKGROUND	SS	ug/Kg	METALS	7440-02-0	NICKEL	25	23	92.00%	20200	7478.26087	2200	2000	2000
BACKGROUND	SS	ug/Kg	METALS	7440-22-4	SILVER	15	3	20.00%	1500	1466.666667	1400	600	500
BACKGROUND	SS	ug/Kg	METALS	7440-28-0	THALLIUM	3						111500	105000
BACKGROUND	SS	ug/Kg	METALS	7440-36-0	ANTIMONY	25						5000	500
BACKGROUND	SS	ug/Kg	METALS	7440-38-2	ARSENIC	25	25	100.00%	8700	3888	1500		
BACKGROUND	SS	ug/Kg	METALS	7440-39-3	BARIUM	25	25	100.00%	323000	90796	17300		
BACKGROUND	SS	ug/Kg	METALS	7440-41-7	BERYLLIUM	25	15	60.00%	1000	554.6666667	170	250	250
BACKGROUND	SS	ug/Kg	METALS	7440-43-9	CADMIUM	25	16	64.00%	3100	1748.125	270	1500	250
BACKGROUND	SS	ug/Kg	METALS	7440-47-3	CHROMIUM	25	24	96.00%	19600	10866.66667	3100	500	500
BACKGROUND	SS	ug/Kg	METALS	7440-48-4	COBALT	15	15	100.00%	31800	14753.33333	4400		
BACKGROUND	SS	ug/Kg	METALS	7440-50-8	COPPER	25	25	100.00%	110000	60600	8100		
BACKGROUND	SS	ug/Kg	METALS	7440-62-2	VANADIUM	25	24	96.00%	161000	94000	9800	2500	2500
BACKGROUND	SS	ug/Kg	METALS	7440-66-6	ZINC	25	25	100.00%	147000	64464	13700		
BACKGROUND	SS	ug/Kg	METALS	7782-49-2	SELENIUM	25						1000	250
BACKGROUND	SS	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	4						195	185
BACKGROUND	SS	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	4						195	185
BACKGROUND	SS	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	SVOA	108-95-2	PHENOL	4						195	185
BACKGROUND	SS	ug/kg	SVOA	110-86-1	PYRIDINE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	129-00-0	PYRENE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	206-44-0	FLUORANTHENE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	218-01-9	CHRYSENE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	4						390	370
BACKGROUND	SS	ug/kg	SVOA	83-32-9	ACENAPHTHENE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	86-73-7	FLUORENE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	91-20-3	NAPHTHALENE	4						195	185
BACKGROUND	SS	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	4						195	185
BACKGROUND	SS	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	SVOA	98-95-3	NITROBENZENE	4						195	185
BACKGROUND	SS	ug/kg	VOA	100-41-4	ETHYLBENZENE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VOA	100-42-5	STYRENE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VOA	106-93-4	1,2-DIBROMOETHANE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VOA	108-88-3	TOLUENE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VOA	108-90-7	CHLOROBENZENE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VOA	123-91-1	1,4-DIOXANE	4						295	280

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BACKGROUND	SS	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VOA	67-64-1	ACETONE	4	1	25.00%	3.799999952	3.799999952	3.799999952	12	11
BACKGROUND	SS	ug/kg	VOA	67-66-3	CHLOROFORM	4						6	5.5
BACKGROUND	SS	ug/kg	VOA	71-43-2	BENZENE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VOA	75-15-0	CARBON DISULFIDE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VOA	78-93-3	2-BUTANONE	4						12	11
BACKGROUND	SS	ug/kg	VOA	79-01-6	TRICHLOROETHENE	4						2.950000048	2.799999952
BACKGROUND	SS	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	4						12	11
BEACH	GW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	5						5	3
BEACH	GW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	7	6	85.71%	9200	2913.333333	225	9.25	9.25
BEACH	GW	ug/L	DISMET	7439-92-1	LEAD, DISSOLVED	8	2	25.00%	5.199999809	3.999999881	2.799999952	2.5	1.100000024
BEACH	GW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	7	7	100.00%	915000	153057.1429	19000		
BEACH	GW	ug/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	8	8	100.00%	4200	1152.75	288		
BEACH	GW	ug/L	DISMET	7439-97-6	MERCURY, DISSOLVED	8						0.100000001	0.028999999
BEACH	GW	ug/L	DISMET	7440-02-0	NICKEL, DISSOLVED	8	1	12.50%	2.400000095	2.400000095	2.400000095	20	0.600000024
BEACH	GW	ug/L	DISMET	7440-22-4	SILVER, DISSOLVED	6						0.904999971	0.349999994
BEACH	GW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	7						5	1.700000048
BEACH	GW	ug/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	8	3	37.50%	8.699999809	5.433333238	2.900000095	2.220000029	1.549999952
BEACH	GW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	7	6	85.71%	1030	746.5	355	0.649999976	0.649999976
BEACH	GW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	7						2.5	0.680000007
BEACH	GW	ug/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	8	1	12.50%	2	2	2	2.5	0.25
BEACH	GW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	7	1	14.29%	2.5	2.5	2.5	5	0.5
BEACH	GW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	7	2	28.57%	3.400000095	3.100000024	2.799999952	0.899999976	0.560000002
BEACH	GW	ug/L	DISMET	7440-50-8	COPPER, DISSOLVED	8	1	12.50%	11	11	11	5	0.660000026
BEACH	GW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	7	1	14.29%	18	18	18	5	0.100000001
BEACH	GW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	7	5	71.43%	191	163.2	130	6.849999905	6.800000191
BEACH	GW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	7	2	28.57%	8.300000191	7.25	6.199999809	12.5	2.244999886
BEACH	GW	ug/L	GENX	1-00-3	CHLORIDE	9	9	100.00%	10800000	1778266.667	29100		
BEACH	GW	ug/L	GENX	18496-25-8	SULFIDE	7	5	71.43%	1400	799.8	39	250	25
BEACH	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	8	7	87.50%	300	173.8571429	55	6.5	6.5
BEACH	GW	ug/L	GENX	25-90-0	NITRATE AS N	9	2	22.22%	120	74	28	50	6.5
BEACH	GW	ug/L	GENX	3-03-5	SULFATE	8	8	100.00%	1200000	215637.5	8300		
BEACH	GW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	8	8	100.00%	491000	354250	36000		
BEACH	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	9						5000	1250
BEACH	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	9	9	100.00%	491000	346555.5556	36000		
BEACH	GW	ug/L	GENX	7440-09-7	POTASSIUM	6	6	100.00%	23400	8915	2890		
BEACH	GW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	7	7	100.00%	132000	22236.57143	956		
BEACH	GW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	3	3	100.00%	145000	68866.66667	19000		
BEACH	GW	ug/L	GENX	7440-23-5	SODIUM	6	6	100.00%	60960	50626.66667	41900		
BEACH	GW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	7	7	100.00%	2640000	438900	37600		
BEACH	GW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	3	3	100.00%	4920000	2312333.333	207000		
BEACH	GW	ug/L	GENX	7440-70-2	CALCIUM	5	5	100.00%	161000	101080	68400		
BEACH	GW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	7	7	100.00%	591000	144414.2857	61100		
BEACH	GW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	3	3	100.00%	2340000	1015666.667	234000		
BEACH	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	3	3	100.00%	1900	1153.333333	580		
BEACH	GW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	5	4	80.00%	3800	1537.5	200	35	35
BEACH	GW	ug/L	GENX	7727-37-9	NITROGEN, TOTAL	1	1	100.00%	2350	2350	2350		
BEACH	GW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	7	5	71.43%	1300	372.4	78	6.25	6.25
BEACH	GW	ug/L	GENX	nitrite as N	NITRITE AS N	8						50	6.25
BEACH	GW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	5	5	100.00%	9570000	2841200	32000		
BEACH	GW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	5	5	100.00%	9800000	2781600	580000		
BEACH	GW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	7	5	71.43%	3900	1586	350	147	140
BEACH	GW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	7	5	71.43%	10000	3700	1000	135	61
BEACH	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	9	9	100.00%	20000000	3550555.556	389000		
BEACH	GW	ug/L	SVOA	100-01-6	4-NITROANILINE	8						25	0.800000012
BEACH	GW	ug/L	SVOA	100-02-7	4-NITROPHENOL	8						25	0.709999979
BEACH	GW	ug/L	SVOA	100-51-6	BENZYL ALCOHOL	8						5	0.850000024
BEACH	GW	ug/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	8						5	0.221000001
BEACH	GW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	8						5	0.675000012
BEACH	GW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	8						5	0.340000004
BEACH	GW	ug/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	9						5	0.234999999
BEACH	GW	ug/L	SVOA	106-47-8	4-CHLOROANILINE	8						5	1.149999976
BEACH	GW	ug/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	8						5	0.200000003
BEACH	GW	ug/L	SVOA	108-95-2	PHENOL	8						5	0.275000006
BEACH	GW	ug/L	SVOA	110-86-1	PYRIDINE	8						10	1.850000024
BEACH	GW	ug/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	8						5	0.275000006

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BEACH	GW	ug/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	8						5	0.171499997
BEACH	GW	ug/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	8	1	12.50%	6.5	6.5	6.5	29.20000076	4.900000095
BEACH	GW	ug/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	8						5	0.699999988
BEACH	GW	ug/L	SVOA	118-74-1	HEXACHLOROBENZENE	8						5	0.730000019
BEACH	GW	ug/L	SVOA	120-12-7	ANTHRACENE	8						5	0.180000007
BEACH	GW	ug/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	9						5	0.25
BEACH	GW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	8						5	0.254999995
BEACH	GW	ug/L	SVOA	121-14-2	2,4-DINITROTOLUENE	8						5	0.550000012
BEACH	GW	ug/L	SVOA	129-00-0	PYRENE	8						5	0.370000005
BEACH	GW	ug/L	SVOA	131-11-3	DIMETHYLPHTHALATE	8						5	0.215000004
BEACH	GW	ug/L	SVOA	132-64-9	DIBENZOFURAN	8						5	0.171499997
BEACH	GW	ug/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	8						5	0.25999999
BEACH	GW	ug/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	8						5	0.800000012
BEACH	GW	ug/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	8						5	0.275000006
BEACH	GW	ug/L	SVOA	206-44-0	FLUORANTHENE	8						5	0.405000001
BEACH	GW	ug/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	8						5	0.219999999
BEACH	GW	ug/L	SVOA	208-96-8	ACENAPHTHYLENE	8						5	0.200000003
BEACH	GW	ug/L	SVOA	218-01-9	CHRYSENE	8						5	0.74000001
BEACH	GW	ug/L	SVOA	50-32-8	BENZO(A)PYRENE	8						5	0.25
BEACH	GW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	8						25	0.680000007
BEACH	GW	ug/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	8						5	0.275000006
BEACH	GW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	8						25	0.5
BEACH	GW	ug/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	9						5	0.25
BEACH	GW	ug/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	8						5	0.280000001
BEACH	GW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	5						3.049999952	0.899999976
BEACH	GW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	8						5	0.36500001
BEACH	GW	ug/L	SVOA	606-20-2	2,6-DINITROTOLUENE	8						5	0.379999995
BEACH	GW	ug/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	8						5	0.409999996
BEACH	GW	ug/L	SVOA	65-85-0	BENZOIC ACID	8						25	1.25
BEACH	GW	ug/L	SVOA	67-72-1	HEXACHLOROETHANE	8						5	0.610000014
BEACH	GW	ug/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	8						5	0.175999999
BEACH	GW	ug/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	8						25	0.25
BEACH	GW	ug/L	SVOA	78-59-1	ISOPHORONE	8						5	0.289999992
BEACH	GW	ug/L	SVOA	83-32-9	ACENAPHTHENE	8						5	0.680000007
BEACH	GW	ug/L	SVOA	84-66-2	DIETHYLPHTHALATE	8						5	0.425500005
BEACH	GW	ug/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	8	2	25.00%	7.099999905	4.299999952	1.5	5	0.970000029
BEACH	GW	ug/L	SVOA	85-01-8	PHENANTHRENE	8						5	0.714999974
BEACH	GW	ug/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	8						5	0.488000005
BEACH	GW	ug/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	8						5	0.850000024
BEACH	GW	ug/L	SVOA	86-73-7	FLUORENE	8						5	0.234999999
BEACH	GW	UG/L	SVOA	87-61-6	1,2,3-TRICHLOROBENZENE	1						0.25	0.25
BEACH	GW	ug/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	9						5	0.25
BEACH	GW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	8						25	0.444999993
BEACH	GW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	8						5	0.294999987
BEACH	GW	ug/L	SVOA	88-74-4	2-NITROANILINE	8						25	0.453999996
BEACH	GW	ug/L	SVOA	88-75-5	2-NITROPHENOL	8						5	0.224999994
BEACH	GW	ug/L	SVOA	91-20-3	NAPHTHALENE	9						5	0.25
BEACH	GW	ug/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	8						5	0.324999988
BEACH	GW	ug/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	8						5	0.1875
BEACH	GW	ug/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	8						25	1.284999967
BEACH	GW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	8						5	0.275000006
BEACH	GW	ug/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	9						5	0.25
BEACH	GW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	8						5	0.159999996
BEACH	GW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	8						5	0.234999999
BEACH	GW	ug/L	SVOA	98-95-3	NITROBENZENE	8						5	0.294999987
BEACH	GW	ug/L	SVOA	99-09-2	3-NITROANILINE	8						25	0.649999976
BEACH	GW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	8						14.99999905	3
BEACH	GW	ug/L	TOTMET	7439-89-6	IRON, TOTAL	9	9	100.00%	985000	190785.5556	15500		
BEACH	GW	ug/L	TOTMET	7439-92-1	LEAD, TOTAL	9	6	66.67%	19.39999962	11.51666649	7.099999905	2.5	1.330000043
BEACH	GW	ug/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	9	9	100.00%	1100000	206351.1111	23300		
BEACH	GW	ug/L	TOTMET	7439-96-5	MANGANESE, TOTAL	9	9	100.00%	13700	4461.555556	527		
BEACH	GW	ug/L	TOTMET	7439-97-6	MERCURY, TOTAL	9	3	33.33%	0.779999971	0.296333323	0.039999999	0.100000001	0.0085
BEACH	GW	ug/L	TOTMET	7440-02-0	NICKEL, TOTAL	9	4	44.44%	120	54.47499967	9.300000191	10	2.625
BEACH	GW	ug/L	TOTMET	7440-22-4	SILVER, TOTAL	6						1.5	0.904999971
BEACH	GW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	8	1	12.50%	67.5	67.5	67.5	5	2.50999999
BEACH	GW	ug/L	TOTMET	7440-38-2	ARSENIC, TOTAL	9	4	44.44%	81	32.44999981	7.5	2.220000029	1.75
BEACH	GW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	8	7	87.50%	2300	896.7142857	190	0.649999976	0.649999976
BEACH	GW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	8	1	12.50%	3.599999905	3.599999905	3.599999905	2.5	0.680000007
BEACH	GW	ug/L	TOTMET	7440-43-9	CADMIUM, TOTAL	9	5	55.56%	34	13.22000008	1	2.5	0.555000007

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BEACH	GW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	8	7	87.50%	300	71.72857135	10.69999981	2.220000029	2.220000029
BEACH	GW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	8	5	62.50%	270	112.3600006	15	0.560000002	0.560000002
BEACH	GW	ug/L	TOTMET	7440-50-8	COPPER, TOTAL	9	9	100.00%	1900	416.6888888	30.39999962		
BEACH	GW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	8	8	100.00%	2800	639.2875004	56.90000153		
BEACH	GW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	8	8	100.00%	1000	291.3375001	41.70000076		
BEACH	GW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	8	4	50.00%	22.20000076	8.71250014	0.949999988	2.244999886	2.244999886
BEACH	GW	ug/L	VOA	100-41-4	ETHYLBENZENE	9						0.699999988	0.02
BEACH	GW	ug/L	VOA	100-42-5	STYRENE	9						0.5	0.015
BEACH	GW	ug/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	9						0.5	0.02
BEACH	GW	ug/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	9						0.699999988	0.015
BEACH	GW	UG/L	VOA	106-43-4	4-CHLOROTOLUENE	1						0.25	0.25
BEACH	GW	UG/L	VOA	106-93-4	1,2-DIBROMOETHANE	1						0.25	0.25
BEACH	GW	ug/L	VOA	107-06-2	1,2-DICHLOROETHANE	9						0.5	0.02
BEACH	GW	ug/L	VOA	108-05-4	VINYL ACETATE	8						1.559999943	0.699999988
BEACH	GW	ug/L	VOA	108-10-1	4-METHYL-2-PENTANONE	8						2.5	0.550000012
BEACH	GW	UG/L	VOA	108-67-8	1,3,5-TRIMETHYLBENZENE	1						0.25	0.25
BEACH	GW	UG/L	VOA	108-86-1	BROMOBENZENE	1						0.25	0.25
BEACH	GW	ug/L	VOA	108-88-3	TOLUENE	9	1	11.11%	4	4	4	0.5	0.01
BEACH	GW	ug/L	VOA	108-90-7	CHLOROBENZENE	9						0.5	0.02
BEACH	GW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	8						1.5	1
BEACH	GW	ug/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	9						0.5	0.02
BEACH	GW	ug/L	VOA	127-18-4	TETRACHLOROETHENE	9						0.949999988	0.035
BEACH	GW	ug/L	VOA	1330-20-7	XYLENES (TOTAL)	9	2	22.22%	1.299999952	1.149999976	1	1.100000024	0.460000008
BEACH	GW	UG/L	VOA	142-28-9	1,3-DICHLOROPROPANE	1						0.25	0.25
BEACH	GW	UG/L	VOA	156-59-2	CIS-1,2-DICHLOROETHENE	1						0.25	0.25
BEACH	GW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	9						0.699999988	0.025
BEACH	GW	ug/L	VOA	56-23-5	CARBON TETRACHLORIDE	9						0.550000012	0.035
BEACH	GW	UG/L	VOA	563-58-6	1,1-DICHLOROPROPENE	1						0.25	0.25
BEACH	GW	ug/L	VOA	591-78-6	2-HEXANONE	8						2.5	0.349999994
BEACH	GW	UG/L	VOA	594-20-7	2,2-DICHLOROPROPANE	1						0.25	0.25
BEACH	GW	UG/L	VOA	630-20-6	1,1,1,2-TETRACHLOROETHANE	1						0.25	0.25
BEACH	GW	ug/L	VOA	67-64-1	ACETONE	8	2	25.00%	28.20000076	15.65000033	3.099999905	5	0.850000024
BEACH	GW	ug/L	VOA	67-66-3	CHLOROFORM	9						0.5	0.02
BEACH	GW	ug/L	VOA	71-43-2	BENZENE	9	1	11.11%	13.5	13.5	13.5	0.5	0.035
BEACH	GW	ug/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	9						0.550000012	0.02
BEACH	GW	ug/L	VOA	74-83-9	BROMOMETHANE	9						1	0.02
BEACH	GW	ug/L	VOA	74-87-3	CHLOROMETHANE	9						1	0.039999999
BEACH	GW	UG/L	VOA	74-95-3	1,2-DIBROMOMETHANE	1						0.25	0.25
BEACH	GW	UG/L	VOA	74-97-5	BROMOCHLOROMETHANE	1						0.25	0.25
BEACH	GW	ug/L	VOA	75-00-3	CHLOROETHANE	9						1.845000029	0.025
BEACH	GW	ug/L	VOA	75-01-4	VINYL CHLORIDE	9						0.850000024	0.015
BEACH	GW	ug/L	VOA	75-09-2	METHYLENE CHLORIDE	9	1	11.11%	28.20000076	28.20000076	28.20000076	6.199999809	0.079999998
BEACH	GW	ug/L	VOA	75-15-0	CARBON DISULFIDE	8	2	25.00%	0.200000003	0.200000003	0.200000003	0.649999976	0.354999989
BEACH	GW	ug/L	VOA	75-25-2	BROMOFORM	9						0.5	0.25
BEACH	GW	ug/L	VOA	75-27-4	BROMODICHLOROMETHANE	9						0.5	0.01
BEACH	GW	ug/L	VOA	75-34-3	1,1-DICHLOROETHANE	9						0.5	0.02
BEACH	GW	ug/L	VOA	75-35-4	1,1-DICHLOROETHENE	9						0.75	0.02
BEACH	GW	UG/L	VOA	75-69-4	TRICHLOROFLUOROMETHANE	1						0.25	0.25
BEACH	GW	UG/L	VOA	75-71-8	DICHLORODIFLUOROMETHANE	1						0.25	0.25
BEACH	GW	ug/L	VOA	78-87-5	1,2-DICHLOROPROPANE	9						0.5	0.045000002
BEACH	GW	ug/L	VOA	78-93-3	2-BUTANONE	8						3.414999962	0.449999988
BEACH	GW	ug/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	9						0.5	0.02
BEACH	GW	ug/L	VOA	79-01-6	TRICHLOROETHENE	9						0.600000024	0.025
BEACH	GW	ug/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	9						0.5	0.029999999
BEACH	GW	ug/L	VOA	95-47-6	O-XYLENE	6	1	16.67%	3	3	3	0.550000012	0.340000004
BEACH	GW	UG/L	VOA	95-49-8	2-CHLOROTOLUENE	1						0.25	0.25
BEACH	GW	UG/L	VOA	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1						0.25	0.25
BEACH	GW	UG/L	VOA	96-18-4	1,2,3-TRICHLOROPROPANE	1						0.25	0.25
BEACH	GW	UG/L	VTIC	103-65-1	N-PROPYLBENZENE	1						0.25	0.25
BEACH	GW	UG/L	VTIC	104-51-8	N-BUTYLBENZENE	1						0.25	0.25
BEACH	GW	UG/L	VTIC	135-98-8	SEC-BUTYLBENZENE	1						0.25	0.25
BEACH	GW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	8	3	37.50%	14.60000038	7.366666794	2.400000095	2.5	0.349999994
BEACH	GW	UG/L	VTIC	95-63-6	1,2,4-TRIMETHYLBENZENE	1						0.25	0.25
BEACH	GW	UG/L	VTIC	98-06-6	TERT-BUTYLBENZENE	1						0.25	0.25
BEACH	GW	UG/L	VTIC	98-82-8	ISOPROPYLBENZENE	1						0.25	0.25
BEACH	GW	UG/L	VTIC	99-87-6	P-ISOPROPYLTOLUENE	1						0.25	0.25
BEACH	GW	ug/l	VTIC	methane	METHANE	4	3	75.00%	43	27.66666667	14	2.5	2.5
BEACH	SB	ug/Kg	GENX	7440-09-7	POTASSIUM	4	4	100.00%	3120000	1465500	659000		
BEACH	SB	ug/Kg	GENX	7440-23-5	SODIUM	4	4	100.00%	808000	647250	326000		

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BEACH	SB	ug/Kg	GENX	7440-70-2	CALCIUM	4	4	100.00%	67100000	28292500	6490000		
BEACH	SB	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	4	3	75.00%	5650000	4406666.667	3390000	1000000	1000000
BEACH	SB	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	4						70	60
BEACH	SB	ug/Kg	METALS	7439-89-6	IRON	4	4	100.00%	47000000	31675000	13100000		
BEACH	SB	ug/Kg	METALS	7439-92-1	LEAD	4	4	100.00%	6900	2885	640		
BEACH	SB	ug/Kg	METALS	7439-95-4	MAGNESIUM	4	4	100.00%	14100000	7940000	4120000		
BEACH	SB	ug/Kg	METALS	7439-96-5	MANGANESE	4	4	100.00%	969000	600250	307000		
BEACH	SB	ug/Kg	METALS	7439-97-6	MERCURY	4	2	50.00%	15	13	11	21	20.5
BEACH	SB	ug/Kg	METALS	7440-02-0	NICKEL	4	4	100.00%	17800	7925	2600		
BEACH	SB	ug/Kg	METALS	7440-38-2	ARSENIC	4	4	100.00%	5900	3225	1700		
BEACH	SB	ug/Kg	METALS	7440-39-3	BARIUM	4	4	100.00%	112000	50550	16800		
BEACH	SB	ug/Kg	METALS	7440-41-7	BERYLLIUM	4	1	25.00%	160	160	160	450	160
BEACH	SB	ug/Kg	METALS	7440-43-9	CADMIUM	4	4	100.00%	1800	1055	540		
BEACH	SB	ug/Kg	METALS	7440-47-3	CHROMIUM	4	4	100.00%	24100	12975	4800		
BEACH	SB	ug/Kg	METALS	7440-48-4	COBALT	4	4	100.00%	46600	24525	6800		
BEACH	SB	ug/Kg	METALS	7440-50-8	COPPER	4	4	100.00%	114000	60550	18100		
BEACH	SB	ug/Kg	METALS	7440-62-2	VANADIUM	4	4	100.00%	135000	104225	44900		
BEACH	SB	ug/Kg	METALS	7440-66-6	ZINC	4	4	100.00%	126000	63725	21800		
BEACH	SB	ug/Kg	METALS	7782-49-2	SELENIUM	4						345	300
BEACH	SB	ug/kg	SVOA	100-01-6	4-NITROANILINE	4						1100	950
BEACH	SB	ug/kg	SVOA	100-02-7	4-NITROPHENOL	4						1100	950
BEACH	SB	ug/kg	SVOA	100-51-6	BENZYL ALCOHOL	4						230	200
BEACH	SB	ug/kg	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	4						230	200
BEACH	SB	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	4						230	200
BEACH	SB	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	4						230	200
BEACH	SB	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	4						230	200
BEACH	SB	ug/kg	SVOA	106-47-8	4-CHLOROANILINE	4						230	200
BEACH	SB	ug/kg	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	4						230	200
BEACH	SB	ug/kg	SVOA	108-95-2	PHENOL	4						230	200
BEACH	SB	ug/kg	SVOA	110-86-1	PYRIDINE	4						455	400
BEACH	SB	ug/kg	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	4						230	200
BEACH	SB	ug/kg	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	4						230	200
BEACH	SB	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	4						230	200
BEACH	SB	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	4						230	200
BEACH	SB	ug/kg	SVOA	118-74-1	HEXACHLOROBENZENE	4						230	200
BEACH	SB	ug/kg	SVOA	120-12-7	ANTHRACENE	4						230	200
BEACH	SB	ug/kg	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	4						230	200
BEACH	SB	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	4						230	200
BEACH	SB	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	4						230	200
BEACH	SB	ug/kg	SVOA	129-00-0	PYRENE	4						230	200
BEACH	SB	ug/kg	SVOA	131-11-3	DIMETHYLPHTHALATE	4						230	200
BEACH	SB	ug/kg	SVOA	132-64-9	DIBENZOFURAN	4						230	200
BEACH	SB	ug/kg	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	4						230	200
BEACH	SB	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	4						230	200
BEACH	SB	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	4						230	200
BEACH	SB	ug/kg	SVOA	206-44-0	FLUORANTHENE	4						230	200
BEACH	SB	ug/kg	SVOA	207-08-9	BENZO(K)FLUORANTHENE	4						230	200
BEACH	SB	ug/kg	SVOA	208-96-8	ACENAPHTHYLENE	4						230	200
BEACH	SB	ug/kg	SVOA	218-01-9	CHRYSENE	4						230	200
BEACH	SB	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	4						230	200
BEACH	SB	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	4						1100	950
BEACH	SB	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	4						230	200
BEACH	SB	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	4						1100	950
BEACH	SB	ug/kg	SVOA	541-73-1	1,3-DICHLOROBENZENE	4						230	200
BEACH	SB	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	4						230	200
BEACH	SB	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	4						230	200
BEACH	SB	ug/kg	SVOA	606-20-2	2,6-DINITROTOLUENE	4						230	200
BEACH	SB	ug/kg	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	4						230	200
BEACH	SB	ug/kg	SVOA	65-85-0	BENZOIC ACID	4						1100	950
BEACH	SB	ug/kg	SVOA	67-72-1	HEXACHLOROETHANE	4						230	200
BEACH	SB	ug/kg	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	4						230	200
BEACH	SB	ug/kg	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	4						1100	950
BEACH	SB	ug/kg	SVOA	78-59-1	ISOPHORONE	4						230	200
BEACH	SB	ug/kg	SVOA	83-32-9	ACENAPHTHENE	4						230	200
BEACH	SB	ug/kg	SVOA	84-66-2	DIETHYLPHTHALATE	4						455	400
BEACH	SB	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	4						230	200
BEACH	SB	ug/kg	SVOA	85-01-8	PHENANTHRENE	4						230	200
BEACH	SB	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	4						230	200
BEACH	SB	ug/kg	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	4						230	200

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BEACH	SB	ug/kg	SVOA	86-73-7	FLUORENE	4						230	200
BEACH	SB	ug/kg	SVOA	87-68-3	HEXACHLOROBUTADIENE	4						230	200
BEACH	SB	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	4						1100	950
BEACH	SB	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	4						230	200
BEACH	SB	ug/kg	SVOA	88-74-4	2-NITROANILINE	4						1100	950
BEACH	SB	ug/kg	SVOA	88-75-5	2-NITROPHENOL	4						230	200
BEACH	SB	ug/kg	SVOA	91-20-3	NAPHTHALENE	4						230	200
BEACH	SB	ug/kg	SVOA	91-57-6	2-METHYLNAPHTHALENE	4						230	200
BEACH	SB	ug/kg	SVOA	91-58-7	2-CHLORONAPHTHALENE	4						230	200
BEACH	SB	ug/kg	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	4						1100	950
BEACH	SB	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	4						230	200
BEACH	SB	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	4						230	200
BEACH	SB	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	4						230	200
BEACH	SB	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	4						230	200
BEACH	SB	ug/kg	SVOA	98-95-3	NITROBENZENE	4						230	200
BEACH	SB	ug/kg	SVOA	99-09-2	3-NITROANILINE	4						1100	950
BEACH	SB	ug/kg	VOA	100-41-4	ETHYLBENZENE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	100-42-5	STYRENE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	108-05-4	VINYL ACETATE	4						7	6
BEACH	SB	ug/kg	VOA	108-10-1	4-METHYL-2-PENTANONE	4						14	12
BEACH	SB	ug/kg	VOA	108-88-3	TOLUENE	4	1	25.00%	1.399999976	1.399999976	1.399999976	3.450000048	3
BEACH	SB	ug/kg	VOA	108-90-7	CHLOROBENZENE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	4						34.5	30
BEACH	SB	ug/kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	4						3.450000048	3
BEACH	SB	ug/kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	4						1.75	1.5
BEACH	SB	ug/kg	VOA	56-23-5	CARBON TETRACHLORIDE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	591-78-6	2-HEXANONE	4						14	12
BEACH	SB	ug/kg	VOA	67-64-1	ACETONE	4	4	100.00%	26	16.875	9.5		
BEACH	SB	ug/kg	VOA	67-66-3	CHLOROFORM	4						7	6
BEACH	SB	ug/kg	VOA	71-43-2	BENZENE	4	1	25.00%	1.399999976	1.399999976	1.399999976	3.450000048	3.049999952
BEACH	SB	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	4	1	25.00%	0.829999983	0.829999983	0.829999983	3.450000048	3
BEACH	SB	ug/kg	VOA	74-83-9	BROMOMETHANE	4						7	6
BEACH	SB	ug/kg	VOA	74-87-3	CHLOROMETHANE	4						7	6
BEACH	SB	ug/kg	VOA	75-00-3	CHLOROETHANE	4						7	6
BEACH	SB	ug/kg	VOA	75-01-4	VINYL CHLORIDE	4						7	6
BEACH	SB	ug/kg	VOA	75-09-2	METHYLENE CHLORIDE	4						6.400000095	3.450000048
BEACH	SB	ug/kg	VOA	75-15-0	CARBON DISULFIDE	4	1	25.00%	1.600000024	1.600000024	1.600000024	3.450000048	3
BEACH	SB	ug/kg	VOA	75-25-2	BROMOFORM	4						3.450000048	3
BEACH	SB	ug/kg	VOA	75-27-4	BROMODICHLOROMETHANE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	75-34-3	1,1-DICHLOROETHANE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	78-87-5	1,2-DICHLOROPROPANE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	78-93-3	2-BUTANONE	4	4	100.00%	8.800000191	6.275000095	4.400000095		
BEACH	SB	ug/kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	79-01-6	TRICHLOROETHENE	4						3.450000048	3
BEACH	SB	ug/kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	4						3.450000048	3
BEACH	SB	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	4						14	12
BEACH	SS	ug/Kg	GENX	7440-09-7	POTASSIUM	4	4	100.00%	1760000	1135250	594000		
BEACH	SS	ug/Kg	GENX	7440-23-5	SODIUM	4	4	100.00%	1880000	1431750	487000		
BEACH	SS	ug/Kg	GENX	7440-70-2	CALCIUM	4	4	100.00%	39700000	27350000	13800000		
BEACH	SS	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	4	4	100.00%	6240000	4462500	3060000		
BEACH	SS	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	4						60	50
BEACH	SS	ug/Kg	METALS	7439-89-6	IRON	4	4	100.00%	42600000	33650000	23100000		
BEACH	SS	ug/Kg	METALS	7439-92-1	LEAD	4	4	100.00%	31500	12275	2100		
BEACH	SS	ug/Kg	METALS	7439-95-4	MAGNESIUM	4	4	100.00%	7600000	5657500	3220000		
BEACH	SS	ug/Kg	METALS	7439-96-5	MANGANESE	4	4	100.00%	2150000	882250	298000		
BEACH	SS	ug/Kg	METALS	7439-97-6	MERCURY	4	4	100.00%	21	15.75	9		
BEACH	SS	ug/Kg	METALS	7440-02-0	NICKEL	4	4	100.00%	7200	4700	2700		
BEACH	SS	ug/Kg	METALS	7440-38-2	ARSENIC	4	4	100.00%	5500	3925	2700		
BEACH	SS	ug/Kg	METALS	7440-39-3	BARIUM	4	4	100.00%	79700	51525	19100		
BEACH	SS	ug/Kg	METALS	7440-41-7	BERYLLIUM	4						310	240
BEACH	SS	ug/Kg	METALS	7440-43-9	CADMIUM	4	4	100.00%	2100	1367.5	770		
BEACH	SS	ug/Kg	METALS	7440-47-3	CHROMIUM	4	4	100.00%	13300	10625	7300		
BEACH	SS	ug/Kg	METALS	7440-48-4	COBALT	4	4	100.00%	19100	13375	8400		

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BEACH	SS	ug/Kg	METALS	7440-50-8	COPPER	4	4	100.00%	74400	42400	24300		
BEACH	SS	ug/Kg	METALS	7440-62-2	VANADIUM	4	4	100.00%	176000	135500	105000		
BEACH	SS	ug/Kg	METALS	7440-66-6	ZINC	4	4	100.00%	82500	58400	25700		
BEACH	SS	ug/Kg	METALS	7782-49-2	SELENIUM	4						310	260
BEACH	SS	ug/kg	SVOA	100-01-6	4-NITROANILINE	4						1000	850
BEACH	SS	ug/kg	SVOA	100-02-7	4-NITROPHENOL	4						1000	850
BEACH	SS	ug/kg	SVOA	100-51-6	BENZYL ALCOHOL	4						205	170
BEACH	SS	ug/kg	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	4						205	170
BEACH	SS	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	4						205	170
BEACH	SS	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	4						205	170
BEACH	SS	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	4						205	170
BEACH	SS	ug/kg	SVOA	106-47-8	4-CHLOROANILINE	4						205	170
BEACH	SS	ug/kg	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	4						205	170
BEACH	SS	ug/kg	SVOA	108-95-2	PHENOL	4						205	170
BEACH	SS	ug/kg	SVOA	110-86-1	PYRIDINE	4						410	345
BEACH	SS	ug/kg	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	4						205	170
BEACH	SS	ug/kg	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	4						205	170
BEACH	SS	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	4						205	170
BEACH	SS	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	4						205	170
BEACH	SS	ug/kg	SVOA	118-74-1	HEXACHLOROBENZENE	4						205	170
BEACH	SS	ug/kg	SVOA	120-12-7	ANTHRACENE	4						205	170
BEACH	SS	ug/kg	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	4						205	170
BEACH	SS	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	4						205	170
BEACH	SS	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	4						205	170
BEACH	SS	ug/kg	SVOA	129-00-0	PYRENE	4						205	170
BEACH	SS	ug/kg	SVOA	131-11-3	DIMETHYLPHTHALATE	4						205	170
BEACH	SS	ug/kg	SVOA	132-64-9	DIBENZOFURAN	4						205	170
BEACH	SS	ug/kg	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	4						205	170
BEACH	SS	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	4						205	170
BEACH	SS	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	4						205	170
BEACH	SS	ug/kg	SVOA	206-44-0	FLUORANTHENE	4						205	170
BEACH	SS	ug/kg	SVOA	207-08-9	BENZO(K)FLUORANTHENE	4						205	170
BEACH	SS	ug/kg	SVOA	208-96-8	ACENAPHTHYLENE	4						205	170
BEACH	SS	ug/kg	SVOA	218-01-9	CHRYSENE	4						205	170
BEACH	SS	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	4						205	170
BEACH	SS	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	4						1000	850
BEACH	SS	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	4						205	170
BEACH	SS	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	4						1000	850
BEACH	SS	ug/kg	SVOA	541-73-1	1,3-DICHLOROBENZENE	4						205	170
BEACH	SS	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	4						205	170
BEACH	SS	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	4						205	170
BEACH	SS	ug/kg	SVOA	606-20-2	2,6-DINITROTOLUENE	4						205	170
BEACH	SS	ug/kg	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	4						205	170
BEACH	SS	ug/kg	SVOA	65-85-0	BENZOIC ACID	4						1000	850
BEACH	SS	ug/kg	SVOA	67-72-1	HEXACHLOROETHANE	4						205	170
BEACH	SS	ug/kg	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	4						205	170
BEACH	SS	ug/kg	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	4						1000	850
BEACH	SS	ug/kg	SVOA	78-59-1	ISOPHORONE	4						205	170
BEACH	SS	ug/kg	SVOA	83-32-9	ACENAPHTHENE	4						205	170
BEACH	SS	ug/kg	SVOA	84-66-2	DIETHYLPHTHALATE	4						410	345
BEACH	SS	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	4						205	170
BEACH	SS	ug/kg	SVOA	85-01-8	PHENANTHRENE	4						205	170
BEACH	SS	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	4						205	170
BEACH	SS	ug/kg	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	4						205	170
BEACH	SS	ug/kg	SVOA	86-73-7	FLUORENE	4						205	170
BEACH	SS	ug/kg	SVOA	87-68-3	HEXACHLOROBUTADIENE	4						205	170
BEACH	SS	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	4						1000	850
BEACH	SS	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	4						205	170
BEACH	SS	ug/kg	SVOA	88-74-4	2-NITROANILINE	4						1000	850
BEACH	SS	ug/kg	SVOA	88-75-5	2-NITROPHENOL	4						205	170
BEACH	SS	ug/kg	SVOA	91-20-3	NAPHTHALENE	4						205	170
BEACH	SS	ug/kg	SVOA	91-57-6	2-METHYLNAPHTHALENE	4						205	170
BEACH	SS	ug/kg	SVOA	91-58-7	2-CHLORONAPHTHALENE	4						205	170
BEACH	SS	ug/kg	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	4						1000	850
BEACH	SS	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	4						205	170
BEACH	SS	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	4						205	170
BEACH	SS	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	4						205	170
BEACH	SS	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	4						205	170
BEACH	SS	ug/kg	SVOA	98-95-3	NITROBENZENE	4						205	170

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BEACH	SS	ug/kg	SVOA	99-09-2	3-NITROANILINE	4						1000	850
BEACH	SS	ug/kg	VOA	100-41-4	ETHYLBENZENE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	100-42-5	STYRENE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	108-05-4	VINYL ACETATE	4						6	5
BEACH	SS	ug/kg	VOA	108-10-1	4-METHYL-2-PENTANONE	4						12.5	10.5
BEACH	SS	ug/kg	VOA	108-88-3	TOLUENE	4	3	75.00%	2.299999952	1.533333302	1	3	3
BEACH	SS	ug/kg	VOA	108-90-7	CHLOROBENZENE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	4						31	26
BEACH	SS	ug/kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	4	1	25.00%	1.899999976	1.899999976	1.899999976	3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	4						1.549999952	1.299999952
BEACH	SS	ug/kg	VOA	56-23-5	CARBON TETRACHLORIDE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	591-78-6	2-HEXANONE	4						12.5	10.5
BEACH	SS	ug/kg	VOA	67-64-1	ACETONE	4	4	100.00%	25	14.44999981	8.899999619		
BEACH	SS	ug/kg	VOA	67-66-3	CHLOROFORM	4						6	5
BEACH	SS	ug/kg	VOA	71-43-2	BENZENE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	4	2	50.00%	1.299999952	1.054999977	0.810000002	3.099999905	3
BEACH	SS	ug/kg	VOA	74-83-9	BROMOMETHANE	4						6	5
BEACH	SS	ug/kg	VOA	74-87-3	CHLOROMETHANE	4						6	5
BEACH	SS	ug/kg	VOA	75-00-3	CHLOROETHANE	4						6	5
BEACH	SS	ug/kg	VOA	75-01-4	VINYL CHLORIDE	4						6	5
BEACH	SS	ug/kg	VOA	75-09-2	METHYLENE CHLORIDE	4						6	3.099999905
BEACH	SS	ug/kg	VOA	75-15-0	CARBON DISULFIDE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	75-25-2	BROMOFORM	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	75-27-4	BROMODICHLOROMETHANE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	75-34-3	1,1-DICHLOROETHANE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	78-87-5	1,2-DICHLOROPROPANE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	78-93-3	2-BUTANONE	4	3	75.00%	6	5.266666651	3.799999952	12	12
BEACH	SS	ug/kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	79-01-6	TRICHLOROETHENE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	4						3.099999905	2.599999905
BEACH	SS	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	4						12.5	10.5
BOUNDRY-EAST	GW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	47	4	8.51%	27	24.75	23	5	3
BOUNDRY-EAST	GW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	55	55	100.00%	11200	6867.381818	386		
BOUNDRY-EAST	GW	UG/L	DISMET	7439-92-1	LEAD, DISSOLVED	90	2	2.22%	3.200000048	2.600000024	2	2.5	1
BOUNDRY-EAST	GW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	55	55	100.00%	165000	63601.81818	24500		
BOUNDRY-EAST	GW	UG/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	89	87	97.75%	6770	2804.689655	50	15	10
BOUNDRY-EAST	GW	UG/L	DISMET	7439-97-6	MERCURY, DISSOLVED	90	3	3.33%	0.389999986	0.316666663	0.25999999	0.100000001	0.028999999
BOUNDRY-EAST	GW	UG/L	DISMET	7440-02-0	NICKEL, DISSOLVED	90	3	3.33%	30	23.33333333	20	20	0.600000024
BOUNDRY-EAST	GW	UG/L	DISMET	7440-22-4	SILVER, DISSOLVED	45						5	0.349999994
BOUNDRY-EAST	GW	UG/L	DISMET	7440-28-0	THALLIUM, DISSOLVED	1						1000	1000
BOUNDRY-EAST	GW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	80	2	2.50%	70	65	60	50	1.700000048
BOUNDRY-EAST	GW	UG/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	90	43	47.78%	55.29999924	13.85348841	1	2.5	0.5
BOUNDRY-EAST	GW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	80	78	97.50%	1520	773.1282051	230	0.649999976	0.100000001
BOUNDRY-EAST	GW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	80						2.5	0.680000007
BOUNDRY-EAST	GW	UG/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	90	4	4.44%	3	2.5	2	2.5	0.25
BOUNDRY-EAST	GW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	80						5	0.5
BOUNDRY-EAST	GW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	56						15	0.560000002
BOUNDRY-EAST	GW	UG/L	DISMET	7440-50-8	COPPER, DISSOLVED	90	24	26.67%	47	19.27500002	10	5	0.660000026
BOUNDRY-EAST	GW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	80						25	0.100000001
BOUNDRY-EAST	GW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	80	62	77.50%	374	113.0306452	10	10	5
BOUNDRY-EAST	GW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	73	19	26.03%	27.29999924	10.83157893	5.199999809	16.89999962	2.244999886
BOUNDRY-EAST	GW	ug/L	GENX	1-00-3	CHLORIDE	98	98	100.00%	438000	80538.77551	14700		
BOUNDRY-EAST	GW	ug/L	GENX	18496-25-8	SULFIDE	61	17	27.87%	540	138	20	445	2.5
BOUNDRY-EAST	GW	ug/L	GENX	18496-25-8	SULFIDE, TOTAL	7						25	25
BOUNDRY-EAST	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	88	31	35.23%	2000	285.3548387	54	25	2
BOUNDRY-EAST	GW	ug/L	GENX	25-90-0	NITRATE AS N	100	18	18.00%	5640	630.5555556	53	50	5
BOUNDRY-EAST	GW	ug/L	GENX	3-03-5	SULFATE	97	27	27.84%	50000	14672.96296	3390	5000	500
BOUNDRY-EAST	GW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	55	55	100.00%	800000	575745.4545	330000		
BOUNDRY-EAST	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	89						5000	500
BOUNDRY-EAST	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	98	98	100.00%	983000	555846.9388	23000		
BOUNDRY-EAST	GW	ug/L	GENX	57-12-5	CYANIDE	1						5	5
BOUNDRY-EAST	GW	UG/L	GENX	7440-09-7	POTASSIUM	77	62	80.52%	11000	5946.645161	694	2500	2500
BOUNDRY-EAST	GW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	55	46	83.64%	9570	5512.869565	649	2500	2500

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BOUNDRY-EAST	GW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	21	12	57.14%	9600	7758.333333	5600	2500	2500
BOUNDRY-EAST	GW	ug/L	GENX	7440-23-5	SODIUM	77	77	100.00%	342000	55738.44156	21100		
BOUNDRY-EAST	GW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	55	55	100.00%	110000	55243.63636	27500		
BOUNDRY-EAST	GW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	21	21	100.00%	93400	53604.7619	35800		
BOUNDRY-EAST	GW	ug/L	GENX	7440-70-2	CALCIUM	69	69	100.00%	165000	112568.1159	40600		
BOUNDRY-EAST	GW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	55	55	100.00%	164000	110492.7273	54400		
BOUNDRY-EAST	GW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	21	21	100.00%	146000	113833.3333	94500		
BOUNDRY-EAST	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	48	48	100.00%	1850	179.2708333	40		
BOUNDRY-EAST	GW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	39	20	51.28%	590	148.05	50	35	25
BOUNDRY-EAST	GW	ug/L	GENX	7727-37-9	NITROGEN, TOTAL	10	10	100.00%	6110	1526	340		
BOUNDRY-EAST	GW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	57	30	52.63%	810	202.4	52	320	6.25
BOUNDRY-EAST	GW	ug/L	GENX	NH3 total	AMMONIA AS NH3, TOTAL	24	24	100.00%	840	361.6666667	40		
BOUNDRY-EAST	GW	ug/L	GENX	nitrite as N	NITRITE AS N	77	17	22.08%	40	20	10	25	5
BOUNDRY-EAST	GW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	34	31	91.18%	36000	19774.19355	4000	500	500
BOUNDRY-EAST	GW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	34	34	100.00%	1720000	743135.2941	15200		
BOUNDRY-EAST	GW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	81	31	38.27%	4900	1307.419355	340	500	140
BOUNDRY-EAST	GW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	79	75	94.94%	320000	38758.66667	1600	2500	135
BOUNDRY-EAST	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	89	89	100.00%	11700000	814483.1461	166000		
BOUNDRY-EAST	GW	UG/L	HERB	88-85-7	DINOSEB	1						0.023499999	0.023499999
BOUNDRY-EAST	GW	UG/L	HERB	93-72-1	2,4,5-TP (SILVEX)	1						0.023499999	0.023499999
BOUNDRY-EAST	GW	UG/L	HERB	93-76-5	2,4,5-T	1						0.023499999	0.023499999
BOUNDRY-EAST	GW	UG/L	HERB	94-75-7	2,4-D	1						0.023499999	0.023499999
BOUNDRY-EAST	GW	UG/L	OPP	297-97-2	THIONAZIN	1						0.156000003	0.156000003
BOUNDRY-EAST	GW	UG/L	OPP	298-00-0	METHYL PARATHION	1						0.153500006	0.153500006
BOUNDRY-EAST	GW	UG/L	OPP	298-02-2	PHORATE	1						0.155499995	0.155499995
BOUNDRY-EAST	GW	UG/L	OPP	298-04-4	DISULFOTON	1						0.147	0.147
BOUNDRY-EAST	GW	UG/L	OPP	3689-24-5	SULFOTEPP	1						0.157499999	0.157499999
BOUNDRY-EAST	GW	UG/L	OPP	52-85-7	FAMPHUR	1						0.294	0.294
BOUNDRY-EAST	GW	UG/L	OPP	56-38-2	ETHYL PARATHION	1						0.147	0.147
BOUNDRY-EAST	GW	UG/L	OPP	60-51-5	DIMETHOATE	1						0.147499993	0.147499993
BOUNDRY-EAST	GW	UG/L	PCB	11096-82-5	AROCLOR-1260	1						0.263000011	0.263000011
BOUNDRY-EAST	GW	UG/L	PCB	11097-69-1	AROCLOR-1254	1						0.263000011	0.263000011
BOUNDRY-EAST	GW	UG/L	PCB	11104-28-2	AROCLOR-1221	1						0.263000011	0.263000011
BOUNDRY-EAST	GW	UG/L	PCB	11141-16-5	AROCLOR-1232	1						0.263000011	0.263000011
BOUNDRY-EAST	GW	UG/L	PCB	12672-29-6	AROCLOR-1248	1						0.263000011	0.263000011
BOUNDRY-EAST	GW	UG/L	PCB	12674-11-2	AROCLOR-1016	1						0.263000011	0.263000011
BOUNDRY-EAST	GW	UG/L	PCB	53469-21-9	AROCLOR-1242	1						0.263000011	0.263000011
BOUNDRY-EAST	GW	UG/L	PEST	1024-57-3	HEPTACHLOR EPOXIDE	1						0.0265	0.0265
BOUNDRY-EAST	GW	UG/L	PEST	1031-07-8	ENDOSULFAN SULFATE	1						0.052499998	0.052499998
BOUNDRY-EAST	GW	UG/L	PEST	309-00-2	ALDRIN	1						0.0265	0.0265
BOUNDRY-EAST	GW	UG/L	PEST	319-84-6	ALPHA-BHC	1						0.013	0.013
BOUNDRY-EAST	GW	UG/L	PEST	319-85-7	BETA-BHC	1						0.0265	0.0265
BOUNDRY-EAST	GW	UG/L	PEST	319-86-8	DELTA-BHC	1						0.0265	0.0265
BOUNDRY-EAST	GW	UG/L	PEST	33213-65-9	ENDOSULFAN II	1						0.052499998	0.052499998
BOUNDRY-EAST	GW	UG/L	PEST	465-73-6	ISODRIN	1						0.0105	0.0105
BOUNDRY-EAST	GW	UG/L	PEST	50-29-3	4,4'-DDT	1						0.052499998	0.052499998
BOUNDRY-EAST	GW	UG/L	PEST	5103-71-9	ALPHA-CHLORDANE	1						0.0265	0.0265
BOUNDRY-EAST	GW	UG/L	PEST	5103-74-2	GAMMA-CHLORDANE	1						0.0265	0.0265
BOUNDRY-EAST	GW	UG/L	PEST	53494-70-5	ENDRIN KETONE	1						0.052499998	0.052499998
BOUNDRY-EAST	GW	UG/L	PEST	58-89-9	GAMMA-BHC	1						0.013	0.013
BOUNDRY-EAST	GW	UG/L	PEST	60-57-1	DIELDRIN	1						0.0265	0.0265
BOUNDRY-EAST	GW	UG/L	PEST	72-20-8	ENDRIN	1						0.0265	0.0265
BOUNDRY-EAST	GW	UG/L	PEST	72-43-5	METHOXYCHLOR	1						0.263000011	0.263000011
BOUNDRY-EAST	GW	UG/L	PEST	72-54-8	4,4'-DDD	1						0.052499998	0.052499998
BOUNDRY-EAST	GW	UG/L	PEST	72-55-9	4,4'-DDE	1						0.0265	0.0265
BOUNDRY-EAST	GW	UG/L	PEST	76-44-8	HEPTACHLOR	1						0.0265	0.0265
BOUNDRY-EAST	GW	UG/L	PEST	8001-35-2	TOXAPHENE	1						0.524999976	0.524999976
BOUNDRY-EAST	GW	UG/L	PEST	959-98-8	ENDOSULFAN I	1						0.0265	0.0265
BOUNDRY-EAST	GW	ug/L	SVOA	100-01-6	4-NITROANILINE	80						2500	0.800000012
BOUNDRY-EAST	GW	ug/L	SVOA	100-02-7	4-NITROPHENOL	81						2500	0.709999979
BOUNDRY-EAST	GW	ug/L	SVOA	100-51-6	BENZYL ALCOHOL	80						1000	0.850000024
BOUNDRY-EAST	GW	ug/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	82						500	0.221000001
BOUNDRY-EAST	GW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	82	36	43.90%	682	85.34722239	3.900000095	500	0.675000012
BOUNDRY-EAST	GW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	80	39	48.75%	503	96.12564086	3.799999952	500	0.340000004
BOUNDRY-EAST	GW	UG/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	92	2	2.17%	1.200000048	1.100000024	1	2500	0.234999999
BOUNDRY-EAST	GW	ug/L	SVOA	106-47-8	4-CHLOROANILINE	79						500	1.149999976
BOUNDRY-EAST	GW	ug/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	82						500	0.200000003
BOUNDRY-EAST	GW	ug/L	SVOA	108-95-2	PHENOL	85	60	70.59%	7600	832.4833333	8.199999809	10	0.275000006
BOUNDRY-EAST	GW	ug/L	SVOA	110-86-1	PYRIDINE	79						500	1.850000024

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BOUNDRY-EAST	GW	ug/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	82						500	0.275000006
BOUNDRY-EAST	GW	ug/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	82						500	0.171499997
BOUNDRY-EAST	GW	ug/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	82	24	29.27%	84000	3622.2375	10.30000019	500	1
BOUNDRY-EAST	GW	ug/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	82						500	0.699999988
BOUNDRY-EAST	GW	ug/L	SVOA	118-74-1	HEXACHLOROBENZENE	82						500	0.730000019
BOUNDRY-EAST	GW	ug/L	SVOA	120-12-7	ANTHRACENE	82	3	3.66%	44	34	23	500	0.180000007
BOUNDRY-EAST	GW	UG/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	92						2500	0.25
BOUNDRY-EAST	GW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	82						500	0.254999995
BOUNDRY-EAST	GW	ug/L	SVOA	121-14-2	2,4-DINITROTOLUENE	82						500	0.550000012
BOUNDRY-EAST	GW	UG/L	SVOA	126-68-1	O,O,O-TRIETHYLPHOSPHOROTHOIATE	1						0.156499997	0.156499997
BOUNDRY-EAST	GW	ug/L	SVOA	129-00-0	PYRENE	82						500	0.370000005
BOUNDRY-EAST	GW	ug/L	SVOA	131-11-3	DIMETHYLPHTHALATE	82	1	1.22%	2.400000095	2.400000095	2.400000095	500	0.215000004
BOUNDRY-EAST	GW	ug/L	SVOA	132-64-9	DIBENZOFURAN	80						500	0.171499997
BOUNDRY-EAST	GW	ug/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	82						500	0.25999999
BOUNDRY-EAST	GW	ug/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	82						500	0.800000012
BOUNDRY-EAST	GW	ug/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	82						500	0.275000006
BOUNDRY-EAST	GW	ug/L	SVOA	206-44-0	FLUORANTHENE	82						500	0.405000001
BOUNDRY-EAST	GW	ug/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	82						500	0.219999999
BOUNDRY-EAST	GW	ug/L	SVOA	208-96-8	ACENAPHTHYLENE	82						500	0.200000003
BOUNDRY-EAST	GW	ug/L	SVOA	218-01-9	CHRYSENE	82						500	0.74000001
BOUNDRY-EAST	GW	ug/L	SVOA	50-32-8	BENZO(A)PYRENE	82						500	0.25
BOUNDRY-EAST	GW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	82						2500	0.680000007
BOUNDRY-EAST	GW	ug/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	82						500	0.275000006
BOUNDRY-EAST	GW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	81						2500	0.5
BOUNDRY-EAST	GW	UG/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	92						2500	0.25
BOUNDRY-EAST	GW	ug/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	82						500	0.280000001
BOUNDRY-EAST	GW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	34						18	0.899999976
BOUNDRY-EAST	GW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	82						500	0.36500001
BOUNDRY-EAST	GW	ug/L	SVOA	606-20-2	2,6-DINITROTOLUENE	82						500	0.379999995
BOUNDRY-EAST	GW	UG/L	SVOA	62-75-9	N-NITROSODIMETHYLAMINE	2						19.5	7.5
BOUNDRY-EAST	GW	ug/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	82						500	0.409999996
BOUNDRY-EAST	GW	ug/L	SVOA	65-85-0	BENZOIC ACID	79	5	6.33%	14.60000038	8.680000067	3.099999905	2500	0.600000024
BOUNDRY-EAST	GW	ug/L	SVOA	67-72-1	HEXACHLOROETHANE	82						500	0.610000014
BOUNDRY-EAST	GW	ug/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	82						500	0.175999999
BOUNDRY-EAST	GW	ug/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	79						500	0.25
BOUNDRY-EAST	GW	ug/L	SVOA	78-59-1	ISOPHORONE	82						500	0.289999992
BOUNDRY-EAST	GW	ug/L	SVOA	83-32-9	ACENAPHTHENE	82	1	1.22%	2.299999952	2.299999952	2.299999952	500	0.5
BOUNDRY-EAST	GW	ug/L	SVOA	84-66-2	DIETHYLPHTHALATE	82						500	0.425500005
BOUNDRY-EAST	GW	ug/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	82	1	1.22%	1.399999976	1.399999976	1.399999976	500	0.425000012
BOUNDRY-EAST	GW	ug/L	SVOA	85-01-8	PHENANTHRENE	82	16	19.51%	47	13.125	2.200000048	500	0.5
BOUNDRY-EAST	GW	ug/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	82						500	0.488000005
BOUNDRY-EAST	GW	ug/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	82						500	0.5
BOUNDRY-EAST	GW	ug/L	SVOA	86-73-7	FLUORENE	82	34	41.46%	150	24.09411766	2.700000048	500	0.234999999
BOUNDRY-EAST	GW	UG/L	SVOA	87-61-6	1,2,3-TRICHLOROBENZENE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	92						2500	0.25
BOUNDRY-EAST	GW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	82						2500	0.444999993
BOUNDRY-EAST	GW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	82						500	0.294999987
BOUNDRY-EAST	GW	ug/L	SVOA	88-74-4	2-NITROANILINE	80						2500	0.453999996
BOUNDRY-EAST	GW	ug/L	SVOA	88-75-5	2-NITROPHENOL	82						500	0.224999994
BOUNDRY-EAST	GW	UG/L	SVOA	91-20-3	NAPHTHALENE	95	61	64.21%	6700	302.0340984	1.799999952	2500	0.25
BOUNDRY-EAST	GW	ug/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	80	40	50.00%	99	27.43499998	2.299999952	500	0.324999988
BOUNDRY-EAST	GW	ug/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	82						500	0.1875
BOUNDRY-EAST	GW	ug/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	82						1000	1.284999967
BOUNDRY-EAST	GW	UG/L	SVOA	92-87-5	BENZIDINE	2						25	19.5
BOUNDRY-EAST	GW	UG/L	SVOA	95-13-6	1H-INDENE	3						25	5
BOUNDRY-EAST	GW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	83	38	45.78%	450	82.27631579	1.399999976	500	0.275000006
BOUNDRY-EAST	GW	UG/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	92						2500	0.25
BOUNDRY-EAST	GW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	82						500	0.159999996
BOUNDRY-EAST	GW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	80						500	0.234999999
BOUNDRY-EAST	GW	ug/L	SVOA	98-95-3	NITROBENZENE	82						500	0.294999987
BOUNDRY-EAST	GW	ug/L	SVOA	99-09-2	3-NITROANILINE	80						2500	0.649999976
BOUNDRY-EAST	GW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	45	3	6.67%	27	24	21	5	3
BOUNDRY-EAST	GW	ug/L	TOTMET	7439-89-6	IRON, FERROUS, TOTAL	2	1	50.00%	680	680	680	25	25
BOUNDRY-EAST	GW	UG/L	TOTMET	7439-89-6	IRON, TOTAL	100	100	100.00%	117000	10966.82	410		
BOUNDRY-EAST	GW	UG/L	TOTMET	7439-92-1	LEAD, TOTAL	93	5	5.38%	15.39999962	6.679999924	3.400000095	2.5	0.699999988
BOUNDRY-EAST	GW	UG/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	100	100	100.00%	160000	62486.4	16860		
BOUNDRY-EAST	GW	UG/L	TOTMET	7439-96-5	MANGANESE, TOTAL	89	89	100.00%	6510	2892.685393	190		
BOUNDRY-EAST	GW	UG/L	TOTMET	7439-97-6	MERCURY, TOTAL	87	3	3.45%	0.600000024	0.426666672	0.200000003	0.100000001	0.0085
BOUNDRY-EAST	GW	UG/L	TOTMET	7440-02-0	NICKEL, TOTAL	91	5	5.49%	50	33.55999985	20	20	0.600000024

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BOUNDRY-EAST	GW	UG/L	TOTMET	7440-22-4	SILVER, TOTAL	42	2	4.76%	5	3.5	2	5	0.349999994
BOUNDRY-EAST	GW	UG/L	TOTMET	7440-28-0	THALLIUM, TOTAL	2						1000	4.25
BOUNDRY-EAST	GW	UG/L	TOTMET	7440-31-5	TIN, TOTAL	1						38.45000076	38.45000076
BOUNDRY-EAST	GW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	81	1	1.23%	48.29999924	48.29999924	48.29999924	50	1.700000048
BOUNDRY-EAST	GW	UG/L	TOTMET	7440-38-2	ARSENIC, TOTAL	93	46	49.46%	47.5	12.05869572	1.5	5	0.5
BOUNDRY-EAST	GW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	81	77	95.06%	1110	481.7402597	160	0.649999976	0.100000001
BOUNDRY-EAST	GW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	81	1	1.23%	5.199999809	5.199999809	5.199999809	2.5	0.680000007
BOUNDRY-EAST	GW	UG/L	TOTMET	7440-43-9	CADMIUM, TOTAL	91	10	10.99%	8	4.7	2	2.5	0.25
BOUNDRY-EAST	GW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	81	2	2.47%	75.30000305	42.65000153	10	5	0.5
BOUNDRY-EAST	GW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	57	2	3.51%	82.69999695	47.84999847	13	15	0.560000002
BOUNDRY-EAST	GW	UG/L	TOTMET	7440-50-8	COPPER, TOTAL	91	45	49.45%	390	51.6244445	10	5	0.660000026
BOUNDRY-EAST	GW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	81	4	4.94%	559	179.25	14	25	0.100000001
BOUNDRY-EAST	GW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	83	11	13.25%	346	77.09090909	16	6.849999905	1.450000048
BOUNDRY-EAST	GW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	74	6	8.11%	16.79999924	11.09999998	6.599999905	2.5	2.244999886
BOUNDRY-EAST	GW	UG/L	VOA	1-952	O,P-XYLENE	1						2.5	2.5
BOUNDRY-EAST	GW	UG/L	VOA	100-41-4	ETHYLBENZENE	112	50	44.64%	11600	1702.7726	1.029999971	125000	0.02
BOUNDRY-EAST	GW	UG/L	VOA	100-42-5	STYRENE	101						25000	0.015
BOUNDRY-EAST	GW	UG/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	103						25000	0.02
BOUNDRY-EAST	GW	UG/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	103						25000	0.015
BOUNDRY-EAST	GW	UG/L	VOA	106-43-4	4-CHLOROTOLUENE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	106-93-4	1,2-DIBROMOETHANE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	107-06-2	1,2-DICHLOROETHANE	103	4	3.88%	2580	1592.75	101	25000	0.02
BOUNDRY-EAST	GW	UG/L	VOA	108-05-4	VINYL ACETATE	91						250000	0.699999988
BOUNDRY-EAST	GW	UG/L	VOA	108-10-1	4-METHYL-2-PENTANONE	91	1	1.10%	35	35	35	250000	0.550000012
BOUNDRY-EAST	GW	UG/L	VOA	108-38-3	M-XYLENE	1						2.5	2.5
BOUNDRY-EAST	GW	UG/L	VOA	108-67-8	1,3,5-TRIMETHYLBENZENE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	108-86-1	BROMOBENZENE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	108-88-3	TOLUENE	114	60	52.63%	940000	36207.55367	1.600000024	25000	0.01
BOUNDRY-EAST	GW	UG/L	VOA	108-90-7	CHLOROBENZENE	103	6	5.83%	7	3.466666659	1.100000024	25000	0.02
BOUNDRY-EAST	GW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	81						37500	0.625
BOUNDRY-EAST	GW	UG/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	103						25000	0.02
BOUNDRY-EAST	GW	UG/L	VOA	127-18-4	TETRACHLOROETHENE	103						25000	0.035
BOUNDRY-EAST	GW	UG/L	VOA	1330-20-7	XYLENES (TOTAL)	113	65	57.52%	570000	24716.49877	1.679999948	30000	0.25
BOUNDRY-EAST	GW	UG/L	VOA	142-28-9	1,3-DICHLOROPROPANE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	156-59-2	CIS-1,2-DICHLOROETHENE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	91						25000	0.025
BOUNDRY-EAST	GW	UG/L	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	12						6000	2.5
BOUNDRY-EAST	GW	UG/L	VOA	56-23-5	CARBON TETRACHLORIDE	103						25000	0.035
BOUNDRY-EAST	GW	UG/L	VOA	563-58-6	1,1-DICHLOROPROPENE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	591-78-6	2-HEXANONE	91						250000	0.349999994
BOUNDRY-EAST	GW	UG/L	VOA	594-20-7	2,2-DICHLOROPROPANE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	630-20-6	1,1,1,2-TETRACHLOROETHANE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	67-64-1	ACETONE	91	6	6.59%	4220	1310.816667	4.900000095	500000	0.850000024
BOUNDRY-EAST	GW	UG/L	VOA	67-66-3	CHLOROFORM	103						25000	0.02
BOUNDRY-EAST	GW	UG/L	VOA	71-43-2	BENZENE	114	94	82.46%	23000000	363602.9007	1.200000048	10	0.035
BOUNDRY-EAST	GW	UG/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	102						25000	0.02
BOUNDRY-EAST	GW	UG/L	VOA	74-83-9	BROMOMETHANE	103						50000	0.02
BOUNDRY-EAST	GW	UG/L	VOA	74-87-3	CHLOROMETHANE	103	2	1.94%	15.60000038	9.400000215	3.200000048	50000	0.039999999
BOUNDRY-EAST	GW	UG/L	VOA	74-95-3	1,2-DIBROMOMETHANE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	74-97-5	BROMOCHLOROMETHANE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	75-00-3	CHLOROETHANE	103						50000	0.025
BOUNDRY-EAST	GW	UG/L	VOA	75-01-4	VINYL CHLORIDE	103						50000	0.015
BOUNDRY-EAST	GW	UG/L	VOA	75-09-2	METHYLENE CHLORIDE	103	6	5.83%	600	111.4499996	1	25000	0.079999998
BOUNDRY-EAST	GW	UG/L	VOA	75-15-0	CARBON DISULFIDE	91	1	1.10%	2	2	2	25000	0.354999989
BOUNDRY-EAST	GW	UG/L	VOA	75-25-2	BROMOFORM	103						25000	0.25
BOUNDRY-EAST	GW	UG/L	VOA	75-27-4	BROMODICHLOROMETHANE	103						25000	0.01
BOUNDRY-EAST	GW	UG/L	VOA	75-34-3	1,1-DICHLOROETHANE	103						25000	0.02
BOUNDRY-EAST	GW	UG/L	VOA	75-35-4	1,1-DICHLOROETHENE	103						25000	0.02
BOUNDRY-EAST	GW	UG/L	VOA	75-69-4	TRICHLOROFLUOROMETHANE	12						8000	0.25
BOUNDRY-EAST	GW	UG/L	VOA	75-71-8	DICHLORODIFLUOROMETHANE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	78-87-5	1,2-DICHLOROPROPANE	103						25000	0.045000002
BOUNDRY-EAST	GW	UG/L	VOA	78-93-3	2-BUTANONE	91						250000	0.449999988
BOUNDRY-EAST	GW	UG/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	102	1	0.98%	7.099999905	7.099999905	7.099999905	25000	0.02
BOUNDRY-EAST	GW	UG/L	VOA	79-01-6	TRICHLOROETHENE	103						25000	0.025
BOUNDRY-EAST	GW	UG/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	102						25000	0.029999999
BOUNDRY-EAST	GW	UG/L	VOA	95-47-6	O-XYLENE	46	31	67.39%	41000	9924.16129	7.300000191	137.5	0.25
BOUNDRY-EAST	GW	UG/L	VOA	95-49-8	2-CHLOROTOLUENE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VOA	96-18-4	1,2,3-TRICHLOROPROPANE	10						2500	0.25

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BOUNDRY-EAST	GW	UG/L	VTIC	103-65-1	N-PROPYLBENZENE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VTIC	104-51-8	N-BUTYLBENZENE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VTIC	135-98-8	SEC-BUTYLBENZENE	10						2500	0.25
BOUNDRY-EAST	GW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	54	13	24.07%	1260	128.8461541	3.200000048	25000	0.349999994
BOUNDRY-EAST	GW	UG/L	VTIC	95-63-6	1,2,4-TRIMETHYLBENZENE	10	3	30.00%	1000	395.7	5.099999905	2500	0.25
BOUNDRY-EAST	GW	UG/L	VTIC	98-06-6	TERT-BUTYLBENZENE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VTIC	98-82-8	ISOPROPYLBENZENE	10						2500	0.25
BOUNDRY-EAST	GW	UG/L	VTIC	99-87-6	P-ISOPROPYLTOLUENE	10						2500	0.25
BOUNDRY-EAST	GW	ug/l	VTIC	methane	METHANE	44	42	95.45%	950000	56474.61905	44	5000	5
BOUNDRY-EAST	SB	UG/KG	SVOA	100-01-6	4-NITROANILINE	1						115	115
BOUNDRY-EAST	SB	UG/KG	SVOA	100-51-6	BENZYL ALCOHOL	1						100	100
BOUNDRY-EAST	SB	UG/KG	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	1						100	100
BOUNDRY-EAST	SB	UG/KG	SVOA	106-46-7	1,4-DICHLOROBENZENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	106-47-8	4-CHLOROANILINE	1						215	215
BOUNDRY-EAST	SB	UG/KG	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1						70	70
BOUNDRY-EAST	SB	UG/KG	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	1						100	100
BOUNDRY-EAST	SB	UG/KG	SVOA	118-74-1	HEXACHLOROBENZENE	1						70	70
BOUNDRY-EAST	SB	UG/KG	SVOA	120-12-7	ANTHRACENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	1						70	70
BOUNDRY-EAST	SB	UG/KG	SVOA	121-14-2	2,4-DINITROTOLUENE	1						100	100
BOUNDRY-EAST	SB	UG/KG	SVOA	129-00-0	PYRENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	131-11-3	DIMETHYLPHTHALATE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	132-64-9	DIBENZOFURAN	1						85	85
BOUNDRY-EAST	SB	UG/KG	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	1						115	115
BOUNDRY-EAST	SB	UG/KG	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	1						115	115
BOUNDRY-EAST	SB	UG/KG	SVOA	205-99-2	BENZO(B)FLUORANTHENE	1						70	70
BOUNDRY-EAST	SB	UG/KG	SVOA	206-44-0	FLUORANTHENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	207-08-9	BENZO(K)FLUORANTHENE	1						70	70
BOUNDRY-EAST	SB	UG/KG	SVOA	208-96-8	ACENAPHTHYLENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	218-01-9	CHRYSENE	1						70	70
BOUNDRY-EAST	SB	UG/KG	SVOA	50-32-8	BENZO(A)PYRENE	1						100	100
BOUNDRY-EAST	SB	UG/KG	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	1						115	115
BOUNDRY-EAST	SB	UG/KG	SVOA	541-73-1	1,3-DICHLOROBENZENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	56-55-3	BENZO(A)ANTHRACENE	1						70	70
BOUNDRY-EAST	SB	UG/KG	SVOA	606-20-2	2,6-DINITROTOLUENE	1						100	100
BOUNDRY-EAST	SB	UG/KG	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1						70	70
BOUNDRY-EAST	SB	UG/KG	SVOA	65-85-0	BENZOIC ACID	1						600	600
BOUNDRY-EAST	SB	UG/KG	SVOA	67-72-1	HEXACHLOROETHANE	1						70	70
BOUNDRY-EAST	SB	UG/KG	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	1						70	70
BOUNDRY-EAST	SB	UG/KG	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	1						700	700
BOUNDRY-EAST	SB	UG/KG	SVOA	78-59-1	ISOPHORONE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	83-32-9	ACENAPHTHENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	84-66-2	DIETHYLPHTHALATE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	85-01-8	PHENANTHRENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	1						70	70
BOUNDRY-EAST	SB	UG/KG	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	86-73-7	FLUORENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	87-68-3	HEXACHLOROBUTADIENE	1						100	100
BOUNDRY-EAST	SB	UG/KG	SVOA	88-74-4	2-NITROANILINE	1						115	115
BOUNDRY-EAST	SB	UG/KG	SVOA	91-20-3	NAPHTHALENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	91-57-6	2-METHYLNAPHTHALENE	1						70	70
BOUNDRY-EAST	SB	UG/KG	SVOA	91-58-7	2-CHLORONAPHTHALENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	1						360	360
BOUNDRY-EAST	SB	UG/KG	SVOA	95-50-1	1,2-DICHLOROBENZENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	98-95-3	NITROBENZENE	1						55	55
BOUNDRY-EAST	SB	UG/KG	SVOA	99-09-2	3-NITROANILINE	1						215	215
BOUNDRY-EAST	SB	UG/KG	VOA	100-41-4	ETHYLBENZENE	5	1	20.00%	5720	5720	5720	101	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	100-42-5	STYRENE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	107-06-2	1,2-DICHLOROETHANE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	108-05-4	VINYL ACETATE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	108-10-1	4-METHYL-2-PENTANONE	1						7	7
BOUNDRY-EAST	SB	UG/KG	VOA	108-88-3	TOLUENE	5	2	40.00%	50600	25900	1200	101	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	108-90-7	CHLOROBENZENE	1						3.599999905	3.599999905

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BOUNDRY-EAST	SB	UG/KG	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	124-48-1	DIBROMOCHLOROMETHANE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	127-18-4	TETRACHLOROETHENE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	1330-20-7	XYLENES (TOTAL)	5	2	40.00%	59300	30335	1370	101	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	56-23-5	CARBON TETRACHLORIDE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	591-78-6	2-HEXANONE	1						7	7
BOUNDRY-EAST	SB	UG/KG	VOA	67-64-1	ACETONE	1	1	100.00%	30	30	30		
BOUNDRY-EAST	SB	UG/KG	VOA	67-66-3	CHLOROFORM	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	71-43-2	BENZENE	5	3	60.00%	82000	33416.66667	4350	49.70000076	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	71-55-6	1,1,1-TRICHLOROETHANE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	74-83-9	BROMOMETHANE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	74-87-3	CHLOROMETHANE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	75-00-3	CHLOROETHANE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	75-01-4	VINYL CHLORIDE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	75-09-2	METHYLENE CHLORIDE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	75-15-0	CARBON DISULFIDE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	75-25-2	BROMOFORM	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	75-27-4	BROMODICHLOROMETHANE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	75-34-3	1,1-DICHLOROETHANE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	75-35-4	1,1-DICHLOROETHENE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	78-87-5	1,2-DICHLOROPROPANE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	78-93-3	2-BUTANONE	1						7	7
BOUNDRY-EAST	SB	UG/KG	VOA	79-00-5	1,1,2-TRICHLOROETHANE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	79-01-6	TRICHLOROETHENE	1						3.599999905	3.599999905
BOUNDRY-EAST	SB	UG/KG	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	1						3.599999905	3.599999905
BOUNDRY-WEST	GW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	20						5	3
BOUNDRY-WEST	GW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	24	24	100.00%	6030	2108.958333	276		
BOUNDRY-WEST	GW	ug/L	DISMET	7439-92-1	LEAD, DISSOLVED	36	2	5.56%	12	7	2	2.5	1
BOUNDRY-WEST	GW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	24	24	100.00%	67900	50683.33333	32500		
BOUNDRY-WEST	GW	ug/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	35	35	100.00%	3000	1771.885714	636		
BOUNDRY-WEST	GW	ug/L	DISMET	7439-97-6	MERCURY, DISSOLVED	36	6	16.67%	1.200000048	0.558333342	0.200000003	0.100000001	0.028999999
BOUNDRY-WEST	GW	ug/L	DISMET	7440-02-0	NICKEL, DISSOLVED	36	1	2.78%	40	40	40	20	0.600000024
BOUNDRY-WEST	GW	ug/L	DISMET	7440-22-4	SILVER, DISSOLVED	18						5	0.349999994
BOUNDRY-WEST	GW	UG/L	DISMET	7440-28-0	THALLIUM, DISSOLVED	1						1000	1000
BOUNDRY-WEST	GW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	34	1	2.94%	70	70	70	50	1.700000048
BOUNDRY-WEST	GW	ug/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	36	16	44.44%	32.40000153	13.89375	1.700000048	2.5	1.549999952
BOUNDRY-WEST	GW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	34	32	94.12%	1270	600.40625	239	0.649999976	0.100000001
BOUNDRY-WEST	GW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	34						2.5	0.680000007
BOUNDRY-WEST	GW	ug/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	36	2	5.56%	8	5	2	2.5	0.25
BOUNDRY-WEST	GW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	34						5	0.5
BOUNDRY-WEST	GW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	25						15	0.560000002
BOUNDRY-WEST	GW	ug/L	DISMET	7440-50-8	COPPER, DISSOLVED	36	4	11.11%	20	13.5	10	5	0.660000026
BOUNDRY-WEST	GW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	34						25	0.100000001
BOUNDRY-WEST	GW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	34	26	76.47%	260	130.0538462	25.70000076	10	6.800000191
BOUNDRY-WEST	GW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	34	11	32.35%	24	12.29999997	6.199999809	12.5	2.244999886
BOUNDRY-WEST	GW	ug/L	GENX	1-00-3	CHLORIDE	37	37	100.00%	527000	177021.6216	94800		

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BOUNDRY-WEST	GW	ug/L	GENX	18496-25-8	SULFIDE	25	4	16.00%	60	40	21	5000	2.5
BOUNDRY-WEST	GW	ug/L	GENX	18496-25-8	SULFIDE, TOTAL	3						250	25
BOUNDRY-WEST	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	35	10	28.57%	500	151.2	10	25	2
BOUNDRY-WEST	GW	ug/L	GENX	25-90-0	NITRATE AS N	37	1	2.70%	440	440	440	50	5
BOUNDRY-WEST	GW	ug/L	GENX	3-03-5	SULFATE	37	24	64.86%	290000	82358.33333	5400	5000	1000
BOUNDRY-WEST	GW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	24	24	100.00%	755000	551750	388000		
BOUNDRY-WEST	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	35						5000	500
BOUNDRY-WEST	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	37	37	100.00%	756000	531540.5405	65000		
BOUNDRY-WEST	GW	ug/L	GENX	7440-09-7	POTASSIUM	28	12	42.86%	1390	742.1666667	240	2500	34.75
BOUNDRY-WEST	GW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	24	11	45.83%	1660	1030.272727	509	2500	34.75
BOUNDRY-WEST	GW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	9	1	11.11%	11500	11500	11500	2500	2500
BOUNDRY-WEST	GW	ug/L	GENX	7440-23-5	SODIUM	28	28	100.00%	201000	120042.8571	81000		
BOUNDRY-WEST	GW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	24	24	100.00%	183000	112129.1667	69000		
BOUNDRY-WEST	GW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	9	9	100.00%	198000	127000	76100		
BOUNDRY-WEST	GW	ug/L	GENX	7440-70-2	CALCIUM	27	27	100.00%	238000	130925.9259	102000		
BOUNDRY-WEST	GW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	24	24	100.00%	158000	116354.1667	86800		
BOUNDRY-WEST	GW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	9	9	100.00%	244000	127666.6667	101000		
BOUNDRY-WEST	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	16	16	100.00%	7500	569.625	40		
BOUNDRY-WEST	GW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	17	9	52.94%	12300	1469.888889	58	35	28.99999809
BOUNDRY-WEST	GW	ug/L	GENX	7727-37-9	NITROGEN, TOTAL	2	2	100.00%	1390	1155	920		
BOUNDRY-WEST	GW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	23	15	65.22%	490	233.8	65	12.5	6.25
BOUNDRY-WEST	GW	ug/L	GENX	NH3 total	AMMONIA AS NH3, TOTAL	9	9	100.00%	820	504.4444444	200		
BOUNDRY-WEST	GW	ug/L	GENX	nitrite as N	NITRITE AS N	33	2	6.06%	40	25	10	25	5
BOUNDRY-WEST	GW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	15	9	60.00%	54000	22222.22222	6000	500	500
BOUNDRY-WEST	GW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	15	15	100.00%	992000	859200	724000		
BOUNDRY-WEST	GW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	31	10	32.26%	10200	1596	370	500	140
BOUNDRY-WEST	GW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	32	29	90.63%	590000	41920.68966	1200	500	500
BOUNDRY-WEST	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	35	35	100.00%	3830000	982200	744000		
BOUNDRY-WEST	GW	ug/L	SVOA	100-01-6	4-NITROANILINE	34	1	2.94%	13.5	13.5	13.5	100	0.800000012
BOUNDRY-WEST	GW	ug/L	SVOA	100-02-7	4-NITROPHENOL	34	1	2.94%	6.800000191	6.800000191	6.800000191	100	0.709999979
BOUNDRY-WEST	GW	ug/L	SVOA	100-51-6	BENZYL ALCOHOL	34						40	0.850000024
BOUNDRY-WEST	GW	ug/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	35						20	0.221000001
BOUNDRY-WEST	GW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	35	8	22.86%	28	9.862500012	2	20	0.675000012
BOUNDRY-WEST	GW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	34	20	58.82%	85	28.76500012	1.200000048	5	0.340000004

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BOUNDRY-WEST	GW	ug/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	37						50	0.234999999
BOUNDRY-WEST	GW	ug/L	SVOA	106-47-8	4-CHLOROANILINE	34	1	2.94%	7.900000095	7.900000095	7.900000095	20	1
BOUNDRY-WEST	GW	ug/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	35						20	0.200000003
BOUNDRY-WEST	GW	ug/L	SVOA	108-95-2	PHENOL	35	21	60.00%	400	138.3428569	7.699999809	20	0.275000006
BOUNDRY-WEST	GW	ug/L	SVOA	110-86-1	PYRIDINE	33						20	1.850000024
BOUNDRY-WEST	GW	ug/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	35						20	0.275000006
BOUNDRY-WEST	GW	ug/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	35						20	0.171499997
BOUNDRY-WEST	GW	ug/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	36	9	25.00%	29.39999962	14.47777777	2.799999952	21.5	4.900000095
BOUNDRY-WEST	GW	ug/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	35	1	2.86%	39.70000076	39.70000076	39.70000076	20	0.699999988
BOUNDRY-WEST	GW	ug/L	SVOA	118-74-1	HEXACHLOROBENZENE	35						20	0.730000019
BOUNDRY-WEST	GW	ug/L	SVOA	120-12-7	ANTHRACENE	35						20	0.180000007
BOUNDRY-WEST	GW	ug/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	37						50	0.25
BOUNDRY-WEST	GW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	34						20	0.254999995
BOUNDRY-WEST	GW	ug/L	SVOA	121-14-2	2,4-DINITROTOLUENE	35	1	2.86%	142	142	142	20	0.550000012
BOUNDRY-WEST	GW	ug/L	SVOA	129-00-0	PYRENE	35						20	0.370000005
BOUNDRY-WEST	GW	ug/L	SVOA	131-11-3	DIMETHYLPHTHALATE	35	1	2.86%	12.60000038	12.60000038	12.60000038	20	0.215000004
BOUNDRY-WEST	GW	ug/L	SVOA	132-64-9	DIBENZOFURAN	34						20	0.171499997
BOUNDRY-WEST	GW	ug/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	35						25	0.25999999
BOUNDRY-WEST	GW	ug/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	35						25	0.800000012
BOUNDRY-WEST	GW	ug/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	35						20	0.275000006
BOUNDRY-WEST	GW	ug/L	SVOA	206-44-0	FLUORANTHENE	35						20	0.405000001
BOUNDRY-WEST	GW	ug/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	35						20	0.219999999
BOUNDRY-WEST	GW	ug/L	SVOA	208-96-8	ACENAPHTHYLENE	35	1	2.86%	3.5	3.5	3.5	20	0.200000003
BOUNDRY-WEST	GW	ug/L	SVOA	218-01-9	CHRYSENE	35						20	0.74000001
BOUNDRY-WEST	GW	ug/L	SVOA	50-32-8	BENZO(A)PYRENE	35	1	2.86%	43	43	43	20	0.25
BOUNDRY-WEST	GW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	34						300	0.680000007
BOUNDRY-WEST	GW	ug/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	35						25	0.275000006
BOUNDRY-WEST	GW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	34						200	0.5
BOUNDRY-WEST	GW	ug/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	37						50	0.25
BOUNDRY-WEST	GW	ug/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	35						20	0.280000001
BOUNDRY-WEST	GW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	15						3.202500105	0.899999976
BOUNDRY-WEST	GW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	34						20	0.36500001
BOUNDRY-WEST	GW	ug/L	SVOA	606-20-2	2,6-DINITROTOLUENE	35	1	2.86%	9.800000191	9.800000191	9.800000191	20	0.379999995
BOUNDRY-WEST	GW	UG/L	SVOA	62-75-9	N-NITROSODIMETHYLAMINE	1						15	15

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BOUNDRY-WEST	GW	ug/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	35	2	5.71%	5.900000095	5.25	4.599999905	20	0.409999996
BOUNDRY-WEST	GW	ug/L	SVOA	65-85-0	BENZOIC ACID	35	9	25.71%	100	47.53333296	2.700000048	100	0.617999971
BOUNDRY-WEST	GW	ug/L	SVOA	67-72-1	HEXACHLOROETHANE	35	2	5.71%	12.19999981	9.199999809	6.199999809	20	0.610000014
BOUNDRY-WEST	GW	ug/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	35						20	0.175999999
BOUNDRY-WEST	GW	ug/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	32						20	0.25
BOUNDRY-WEST	GW	ug/L	SVOA	78-59-1	ISOPHORONE	35						20	0.289999992
BOUNDRY-WEST	GW	ug/L	SVOA	83-32-9	ACENAPHTHENE	35						20	0.5
BOUNDRY-WEST	GW	ug/L	SVOA	84-66-2	DIETHYLPHTHALATE	35	1	2.86%	2.599999905	2.599999905	2.599999905	20	0.425500005
BOUNDRY-WEST	GW	ug/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	35	1	2.86%	6.199999809	6.199999809	6.199999809	20	0.425000012
BOUNDRY-WEST	GW	ug/L	SVOA	85-01-8	PHENANTHRENE	35	3	8.57%	4.199999809	2.799999952	2	20	0.5
BOUNDRY-WEST	GW	ug/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	35						20	0.488000005
BOUNDRY-WEST	GW	ug/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	35	1	2.86%	4	4	4	20	0.5
BOUNDRY-WEST	GW	ug/L	SVOA	86-73-7	FLUORENE	35	4	11.43%	33	20.67500007	5.599999905	20	0.234999999
BOUNDRY-WEST	GW	UG/L	SVOA	87-61-6	1,2,3-TRICHLOROBENZENE	2						50	0.25
BOUNDRY-WEST	GW	ug/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	37						50	0.25
BOUNDRY-WEST	GW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	34						100	0.444999993
BOUNDRY-WEST	GW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	34						30	0.294999987
BOUNDRY-WEST	GW	ug/L	SVOA	88-74-4	2-NITROANILINE	34	1	2.94%	8.399999619	8.399999619	8.399999619	100	0.453999996
BOUNDRY-WEST	GW	ug/L	SVOA	88-75-5	2-NITROPHENOL	34						20	0.224999994
BOUNDRY-WEST	GW	ug/L	SVOA	91-20-3	NAPHTHALENE	37	20	54.05%	130	49.05	17.79999924	50	0.25
BOUNDRY-WEST	GW	ug/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	34	6	17.65%	16	7.25000002	1.600000024	20	0.324999988
BOUNDRY-WEST	GW	ug/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	35						20	0.1875
BOUNDRY-WEST	GW	ug/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	35						40	1.284999967
BOUNDRY-WEST	GW	UG/L	SVOA	92-87-5	BENZIDINE	1						50	50
BOUNDRY-WEST	GW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	34	8	23.53%	27	9.900000021	1.100000024	20	0.275000006
BOUNDRY-WEST	GW	ug/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	37						50	0.25
BOUNDRY-WEST	GW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	34						20	0.159999996
BOUNDRY-WEST	GW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	33						20	0.234999999
BOUNDRY-WEST	GW	ug/L	SVOA	98-95-3	NITROBENZENE	35						20	0.294999987
BOUNDRY-WEST	GW	ug/L	SVOA	99-09-2	3-NITROANILINE	34	1	2.94%	6.5	6.5	6.5	100	0.649999976
BOUNDRY-WEST	GW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	22	1	4.55%	27	27	27	5	3
BOUNDRY-WEST	GW	ug/L	TOTMET	7439-89-6	IRON, TOTAL	38	38	100.00%	434000	19953.42105	310		
BOUNDRY-WEST	GW	ug/L	TOTMET	7439-92-1	LEAD, TOTAL	38	4	10.53%	25.29999924	14.19999981	3.5	2.5	0.699999988
BOUNDRY-WEST	GW	ug/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	38	38	100.00%	167000	58612.10526	38700		

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BOUNDRY-WEST	GW	ug/L	TOTMET	7439-96-5	MANGANESE, TOTAL	35	35	100.00%	10000	2201.942857	890		
BOUNDRY-WEST	GW	ug/L	TOTMET	7439-97-6	MERCURY, TOTAL	34	4	11.76%	3.099999905	1.137499977	0.209999993	0.100000001	0.0085
BOUNDRY-WEST	GW	ug/L	TOTMET	7440-02-0	NICKEL, TOTAL	36	6	16.67%	88	44.66666667	20	20	0.600000024
BOUNDRY-WEST	GW	ug/L	TOTMET	7440-22-4	SILVER, TOTAL	18						5	0.349999994
BOUNDRY-WEST	GW	UG/L	TOTMET	7440-28-0	THALLIUM, TOTAL	1						1000	1000
BOUNDRY-WEST	GW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	34						50	1.700000048
BOUNDRY-WEST	GW	ug/L	TOTMET	7440-38-2	ARSENIC, TOTAL	38	11	28.95%	33.40000153	11.4454546	3.5	2.5	0.949999988
BOUNDRY-WEST	GW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	34	30	88.24%	1200	336	130	0.649999976	0.100000001
BOUNDRY-WEST	GW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	34						2.5	0.680000007
BOUNDRY-WEST	GW	ug/L	TOTMET	7440-43-9	CADMIUM, TOTAL	37	2	5.41%	8	6.5	5	2.5	0.25
BOUNDRY-WEST	GW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	35	4	11.43%	140	48.92499995	6.699999809	5	0.5
BOUNDRY-WEST	GW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	25	1	4.00%	180	180	180	15	0.560000002
BOUNDRY-WEST	GW	ug/L	TOTMET	7440-50-8	COPPER, TOTAL	36	12	33.33%	870	123.1583333	12	5	0.660000026
BOUNDRY-WEST	GW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	34	4	11.76%	1300	474.25	27	25	0.100000001
BOUNDRY-WEST	GW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	35	6	17.14%	730	196.3833332	22	10	5
BOUNDRY-WEST	GW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	32	2	6.25%	24.89999962	17.5999999	10.30000019	12.5	1
BOUNDRY-WEST	GW	ug/L	VOA	100-41-4	ETHYLBENZENE	42	16	38.10%	3000	1256.8625	47.79999924	50000	0.02
BOUNDRY-WEST	GW	ug/L	VOA	100-42-5	STYRENE	38						50000	0.015
BOUNDRY-WEST	GW	ug/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	39						50000	0.02
BOUNDRY-WEST	GW	ug/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	39						50000	0.015
BOUNDRY-WEST	GW	UG/L	VOA	106-43-4	4-CHLOROTOLUENE	2						50	0.25
BOUNDRY-WEST	GW	UG/L	VOA	106-93-4	1,2-DIBROMOETHANE	2						50	0.25
BOUNDRY-WEST	GW	ug/L	VOA	107-06-2	1,2-DICHLOROETHANE	39	2	5.13%	35.70000076	18.90000033	2.099999905	50000	0.02
BOUNDRY-WEST	GW	ug/L	VOA	108-05-4	VINYL ACETATE	36						500000	0.699999988
BOUNDRY-WEST	GW	ug/L	VOA	108-10-1	4-METHYL-2-PENTANONE	36						500000	0.550000012
BOUNDRY-WEST	GW	UG/L	VOA	108-67-8	1,3,5-TRIMETHYLBENZENE	2						50	0.25
BOUNDRY-WEST	GW	UG/L	VOA	108-86-1	BROMOBENZENE	2						50	0.25
BOUNDRY-WEST	GW	ug/L	VOA	108-88-3	TOLUENE	42	21	50.00%	41000	9902.005238	4.409999847	50000	0.01
BOUNDRY-WEST	GW	ug/L	VOA	108-90-7	CHLOROBENZENE	39						50000	0.02
BOUNDRY-WEST	GW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	34						50000	0.625
BOUNDRY-WEST	GW	ug/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	39						50000	0.02
BOUNDRY-WEST	GW	ug/L	VOA	127-18-4	TETRACHLOROETHENE	39						50000	0.035
BOUNDRY-WEST	GW	ug/L	VOA	1330-20-7	XYLENES (TOTAL)	42	20	47.62%	41000	10301.9505	1.00999999	50000	0.460000008
BOUNDRY-WEST	GW	UG/L	VOA	142-28-9	1,3-DICHLOROPROPANE	2						50	0.25

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BOUNDRY-WEST	GW	UG/L	VOA	156-59-2	CIS-1,2-DICHLOROETHENE	2						50	0.25
BOUNDRY-WEST	GW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	36						50000	0.025
BOUNDRY-WEST	GW	UG/L	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	3						50	2.5
BOUNDRY-WEST	GW	ug/L	VOA	56-23-5	CARBON TETRACHLORIDE	39						50000	0.035
BOUNDRY-WEST	GW	UG/L	VOA	563-58-6	1,1-DICHLOROPROPENE	2						50	0.25
BOUNDRY-WEST	GW	ug/L	VOA	591-78-6	2-HEXANONE	36						500000	0.349999994
BOUNDRY-WEST	GW	UG/L	VOA	594-20-7	2,2-DICHLOROPROPANE	2						50	0.25
BOUNDRY-WEST	GW	UG/L	VOA	630-20-6	1,1,1,2-TETRACHLOROETHANE	2						50	0.25
BOUNDRY-WEST	GW	ug/L	VOA	67-64-1	ACETONE	36						1000000	0.850000024
BOUNDRY-WEST	GW	ug/L	VOA	67-66-3	CHLOROFORM	39						50000	0.02
BOUNDRY-WEST	GW	ug/L	VOA	71-43-2	BENZENE	42	27	64.29%	899000	359316.6789	157.3300018	5.449999809	0.035
BOUNDRY-WEST	GW	ug/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	39						50000	0.02
BOUNDRY-WEST	GW	ug/L	VOA	74-83-9	BROMOMETHANE	39						100000	0.02
BOUNDRY-WEST	GW	ug/L	VOA	74-87-3	CHLOROMETHANE	39						100000	0.039999999
BOUNDRY-WEST	GW	UG/L	VOA	74-95-3	1,2-DIBROMOMETHANE	2						50	0.25
BOUNDRY-WEST	GW	UG/L	VOA	74-97-5	BROMOCHLOROMETHANE	2						50	0.25
BOUNDRY-WEST	GW	ug/L	VOA	75-00-3	CHLOROETHANE	39						100000	0.025
BOUNDRY-WEST	GW	ug/L	VOA	75-01-4	VINYL CHLORIDE	39						100000	0.015
BOUNDRY-WEST	GW	ug/L	VOA	75-09-2	METHYLENE CHLORIDE	39	3	7.69%	210	78.80000019	7.199999809	50000	0.079999998
BOUNDRY-WEST	GW	ug/L	VOA	75-15-0	CARBON DISULFIDE	36						50000	0.354999989
BOUNDRY-WEST	GW	ug/L	VOA	75-25-2	BROMOFORM	39						50000	0.25
BOUNDRY-WEST	GW	ug/L	VOA	75-27-4	BROMODICHLOROMETHANE	39						50000	0.01
BOUNDRY-WEST	GW	ug/L	VOA	75-34-3	1,1-DICHLOROETHANE	39						50000	0.02
BOUNDRY-WEST	GW	ug/L	VOA	75-35-4	1,1-DICHLOROETHENE	39						50000	0.02
BOUNDRY-WEST	GW	UG/L	VOA	75-69-4	TRICHLOROFLUOROMETHANE	3						8000	0.25
BOUNDRY-WEST	GW	UG/L	VOA	75-71-8	DICHLORODIFLUOROMETHANE	2						50	0.25
BOUNDRY-WEST	GW	ug/L	VOA	78-87-5	1,2-DICHLOROPROPANE	39						50000	0.045000002
BOUNDRY-WEST	GW	ug/L	VOA	78-93-3	2-BUTANONE	36						500000	0.449999988
BOUNDRY-WEST	GW	ug/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	39						50000	0.02
BOUNDRY-WEST	GW	ug/L	VOA	79-01-6	TRICHLOROETHENE	39						50000	0.025
BOUNDRY-WEST	GW	ug/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	39						50000	0.029999999
BOUNDRY-WEST	GW	ug/L	VOA	95-47-6	O-XYLENE	20	14	70.00%	8400	3894.092857	21	2.744999886	0.340000004
BOUNDRY-WEST	GW	UG/L	VOA	95-49-8	2-CHLOROTOLUENE	2						50	0.25
BOUNDRY-WEST	GW	UG/L	VOA	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	2						50	0.25

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
BOUNDRY-WEST	GW	UG/L	VOA	96-18-4	1,2,3-TRICHLOROPROPANE	2						50	0.25
BOUNDRY-WEST	GW	UG/L	VTIC	103-65-1	N-PROPYLBENZENE	2						50	0.25
BOUNDRY-WEST	GW	UG/L	VTIC	104-51-8	N-BUTYLBENZENE	2						50	0.25
BOUNDRY-WEST	GW	UG/L	VTIC	135-98-8	SEC-BUTYLBENZENE	2						50	0.25
BOUNDRY-WEST	GW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	25	13	52.00%	9240	1873.384615	8.600000381	50000	0.625
BOUNDRY-WEST	GW	UG/L	VTIC	95-63-6	1,2,4-TRIMETHYLBENZENE	2						50	0.25
BOUNDRY-WEST	GW	UG/L	VTIC	98-06-6	TERT-BUTYLBENZENE	2						50	0.25
BOUNDRY-WEST	GW	UG/L	VTIC	98-82-8	ISOPROPYLBENZENE	2						50	0.25
BOUNDRY-WEST	GW	UG/L	VTIC	99-87-6	P-ISOPROPYLTOLUENE	2						50	0.25
BOUNDRY-WEST	GW	ug/l	VTIC	methane	METHANE	18	12	66.67%	40000	6599.75	37	5000	2.5
CHANNEL	SD	ug/Kg	GENX	57-12-5	CYANIDE	10						125	125
CHANNEL	SD	ug/Kg	GENX	7440-09-7	POTASSIUM	34	13	38.24%	1570000	729923.0769	328000	250000	1245
CHANNEL	SD	ug/Kg	GENX	7440-23-5	SODIUM	35	16	45.71%	600000	415562.5	200000	100000	1020
CHANNEL	SD	ug/Kg	GENX	7440-70-2	CALCIUM	34	34	100.00%	75000000	16332941.18	1610000		
CHANNEL	SD	ug/Kg	GENX	AVS	ACID VOLATILE SULFIDE	4	4	100.00%	130000	49025	2700		
CHANNEL	SD	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	15	15	100.00%	71700000	18300000	4600000		
CHANNEL	SD	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	22	7	31.82%	32400	5085.142857	277	1250	25
CHANNEL	SD	ug/Kg	METALS	7439-89-6	IRON	38	38	100.00%	65200000	20995263.16	3570000		
CHANNEL	SD	ug/Kg	METALS	7439-92-1	LEAD	51	51	100.00%	96100	11279.32294	25.46999931		
CHANNEL	SD	ug/Kg	METALS	7439-95-4	MAGNESIUM	34	34	100.00%	8490000	5308823.529	1450000		
CHANNEL	SD	ug/Kg	METALS	7439-96-5	MANGANESE	38	38	100.00%	2050000	496815.7895	74000		
CHANNEL	SD	ug/Kg	METALS	7439-97-6	MERCURY	52	18	34.62%	750	245.0555556	23	115	1.554999948
CHANNEL	SD	ug/Kg	METALS	7440-02-0	NICKEL	42	37	88.10%	199000	35794.59459	5100	20000	3150
CHANNEL	SD	ug/Kg	METALS	7440-22-4	SILVER	26						2210	16.5
CHANNEL	SD	ug/Kg	METALS	7440-31-5	TIN	3						61000	39600
CHANNEL	SD	ug/Kg	METALS	7440-36-0	ANTIMONY	40	5	12.50%	9000	5420	3000	50000	76
CHANNEL	SD	ug/Kg	METALS	7440-38-2	ARSENIC	53	44	83.02%	7160	2630.681818	930	3500	197.5
CHANNEL	SD	ug/Kg	METALS	7440-39-3	BARIUM	51	48	94.12%	250000	74091.66667	10000	1200	800
CHANNEL	SD	ug/Kg	METALS	7440-41-7	BERYLLIUM	43	6	13.95%	740	475	200	2500	26.14999962
CHANNEL	SD	ug/Kg	METALS	7440-43-9	CADMIUM	53	17	32.08%	2430	1084.705882	400	2500	87.5
CHANNEL	SD	ug/Kg	METALS	7440-47-3	CHROMIUM	51	48	94.12%	1870000	145008.3333	2400	1150	52.5
CHANNEL	SD	ug/Kg	METALS	7440-48-4	COBALT	28	24	85.71%	12400	8179.166667	3600	1200	52.5
CHANNEL	SD	ug/Kg	METALS	7440-50-8	COPPER	41	38	92.68%	140000	46578.94737	9000	1200	800
CHANNEL	SD	ug/Kg	METALS	7440-62-2	VANADIUM	41	39	95.12%	393000	109846.1538	3000	1150	800
CHANNEL	SD	ug/Kg	METALS	7440-66-6	ZINC	41	39	95.12%	421000	95571.79487	4900	2350	1600
CHANNEL	SD	ug/Kg	METALS	7782-49-2	SELENIUM	52	15	28.85%	10000	2655.933333	500	1000	106
CHANNEL	SD	ug/kg	PCB	11096-82-5	AROCLOR-1260	14	1	7.14%	16	16	16	24	5.010000229
CHANNEL	SD	ug/kg	PCB	11097-69-1	AROCLOR-1254	15						24	4.162499905
CHANNEL	SD	ug/kg	PCB	11104-28-2	AROCLOR-1221	15						11.14500046	4.162499905
CHANNEL	SD	ug/kg	PCB	11141-16-5	AROCLOR-1232	15						11	3.700000048
CHANNEL	SD	ug/kg	PCB	12672-29-6	AROCLOR-1248	15	3	20.00%	200	109.3333333	28	24	4.162499905
CHANNEL	SD	ug/kg	PCB	12674-11-2	AROCLOR-1016	14						24	3.430000067
CHANNEL	SD	ug/kg	PCB	53469-21-9	AROCLOR-1242	15						24	4.162499905
CHANNEL	SD	UG/KG	SVOA	100-01-6	4-NITROANILINE	45						2260	46.5
CHANNEL	SD	ug/kg	SVOA	100-02-7	4-NITROPHENOL	41						2260	37.15000153
CHANNEL	SD	UG/KG	SVOA	100-51-6	BENZYL ALCOHOL	41						1500	30.04999924
CHANNEL	SD	UG/KG	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	49						1500	35.09999847
CHANNEL	SD	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	42						450	44.15000153
CHANNEL	SD	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	42						450	28.85000038
CHANNEL	SD	UG/KG	SVOA	106-46-7	1,4-DICHLOROBENZENE	48						850	34.75
CHANNEL	SD	UG/KG	SVOA	106-47-8	4-CHLOROANILINE	45						3200	36.59999847
CHANNEL	SD	UG/KG	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	49						850	33.79999924
CHANNEL	SD	ug/kg	SVOA	108-95-2	PHENOL	41						450	25.89999962
CHANNEL	SD	ug/kg	SVOA	110-86-1	PYRIDINE	37	1	2.70%	52.90000153	52.90000153	52.90000153	450	23.60000038
CHANNEL	SD	UG/KG	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	49						850	36.45000076
CHANNEL	SD	UG/KG	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	49						850	31.10000038
CHANNEL	SD	UG/KG	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	49						1050	49.65000153
CHANNEL	SD	UG/KG	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	49						1500	27.20000076
CHANNEL	SD	UG/KG	SVOA	118-74-1	HEXACHLOROBENZENE	49						1050	36.20000076

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
CHANNEL	SD	UG/KG	SVOA	120-12-7	ANTHRACENE	49						850	23.14999962
CHANNEL	SD	UG/KG	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	48						1050	39.40000153
CHANNEL	SD	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	42						450	25.85000038
CHANNEL	SD	UG/KG	SVOA	121-14-2	2,4-DINITROTOLUENE	48						1500	29.89999962
CHANNEL	SD	UG/KG	SVOA	122-66-7	1,2-DIPHENYLHYDRAZINE	4						185	80
CHANNEL	SD	UG/KG	SVOA	129-00-0	PYRENE	48	3	6.25%	120	110.9666672	92.90000153	850	30.45000076
CHANNEL	SD	UG/KG	SVOA	131-11-3	DIMETHYLPHTHALATE	49						850	24.04999924
CHANNEL	SD	UG/KG	SVOA	132-64-9	DIBENZOFURAN	45						1300	24.54999924
CHANNEL	SD	UG/KG	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	49	6	12.24%	10000	2308.333333	130	1700	38.84999847
CHANNEL	SD	UG/KG	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	49	3	6.12%	1260	553.3333333	130	1700	28.29999924
CHANNEL	SD	UG/KG	SVOA	205-99-2	BENZO(B)FLUORANTHENE	49	4	8.16%	560	415.5	302	1050	41.54999924
CHANNEL	SD	UG/KG	SVOA	206-44-0	FLUORANTHENE	49						850	35.45000076
CHANNEL	SD	UG/KG	SVOA	207-08-9	BENZO(K)FLUORANTHENE	49						1050	37.65000153
CHANNEL	SD	UG/KG	SVOA	208-96-8	ACENAPHTHYLENE	49						850	29.25
CHANNEL	SD	UG/KG	SVOA	218-01-9	CHRYSENE	49	4	8.16%	580	391.5	76	1050	28.54999924
CHANNEL	SD	UG/KG	SVOA	50-32-8	BENZO(A)PYRENE	49	4	8.16%	479	282.25	150	1500	25.29999924
CHANNEL	SD	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	42						2260	29.70000076
CHANNEL	SD	UG/KG	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	49	2	4.08%	632	364.5	97	1700	29.64999962
CHANNEL	SD	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	42						2260	29.45000076
CHANNEL	SD	UG/KG	SVOA	541-73-1	1,3-DICHLOROBENZENE	49						850	35.59999847
CHANNEL	SD	UG/KG	SVOA	56-55-3	BENZO(A)ANTHRACENE	49						1050	23.5
CHANNEL	SD	ug/kg	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	16						41.625	29.14999962
CHANNEL	SD	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	41						450	25.75
CHANNEL	SD	UG/KG	SVOA	606-20-2	2,6-DINITROTOLUENE	49						1500	26.64999962
CHANNEL	SD	UG/KG	SVOA	62-75-9	N-NITROSODIMETHYLAMINE	4						185	80
CHANNEL	SD	UG/KG	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	48						1050	31.60000038
CHANNEL	SD	UG/KG	SVOA	65-85-0	BENZOIC ACID	41	1	2.44%	847	847	847	9000	58
CHANNEL	SD	UG/KG	SVOA	67-72-1	HEXACHLOROETHANE	49						1050	33.40000153
CHANNEL	SD	UG/KG	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	49						1050	24
CHANNEL	SD	UG/KG	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	49						10500	26.39999962
CHANNEL	SD	UG/KG	SVOA	78-59-1	ISOPHORONE	49						850	33.40000153
CHANNEL	SD	UG/KG	SVOA	83-32-9	ACENAPHTHENE	48						850	24.25
CHANNEL	SD	UG/KG	SVOA	84-66-2	DIETHYLPHTHALATE	49						850	28.60000038
CHANNEL	SD	UG/KG	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	49	1	2.04%	238	238	238	850	40.59999847
CHANNEL	SD	UG/KG	SVOA	85-01-8	PHENANTHRENE	49	2	4.08%	190	138.5	87	850	24.04999924
CHANNEL	SD	UG/KG	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	49						1050	35.20000076
CHANNEL	SD	UG/KG	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	49						850	29.85000038
CHANNEL	SD	UG/KG	SVOA	86-73-7	FLUORENE	49						850	22.04999924
CHANNEL	SD	ug/Kg	SVOA	86-74-8	9H-CARBAZOLE	6						435	46.5
CHANNEL	SD	ug/kg	SVOA	87-61-6	1,2,3-TRICHLOROBENZENE	2						4.449999809	3.599999905
CHANNEL	SD	UG/KG	SVOA	87-68-3	HEXACHLOROBUTADIENE	49						1500	40.75
CHANNEL	SD	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	41						2260	35.15000153
CHANNEL	SD	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	42	1	2.38%	510	510	510	450	19.85000038
CHANNEL	SD	UG/KG	SVOA	88-74-4	2-NITROANILINE	45						2260	18.85000038
CHANNEL	SD	ug/kg	SVOA	88-75-5	2-NITROPHENOL	42						450	36.79999924
CHANNEL	SD	UG/KG	SVOA	91-20-3	NAPHTHALENE	49						850	38.34999847
CHANNEL	SD	UG/KG	SVOA	91-57-6	2-METHYLNAPHTHALENE	45						1050	40.29999924
CHANNEL	SD	UG/KG	SVOA	91-58-7	2-CHLORONAPHTHALENE	49						850	34.09999847
CHANNEL	SD	UG/KG	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	49						5500	26.45000076
CHANNEL	SD	UG/KG	SVOA	92-87-5	BENZIDINE	4						3750	1650
CHANNEL	SD	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	42						450	26.60000038
CHANNEL	SD	UG/KG	SVOA	95-50-1	1,2-DICHLOROBENZENE	49						850	35.59999847
CHANNEL	SD	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	41						450	35.84999847
CHANNEL	SD	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	42						2100	24.14999962
CHANNEL	SD	UG/KG	SVOA	98-95-3	NITROBENZENE	49						850	38.84999847
CHANNEL	SD	UG/KG	SVOA	99-09-2	3-NITROANILINE	45						3200	39.04999924
CHANNEL	SD	UG/KG	VOA	100-41-4	ETHYLBENZENE	50						3000	0.125
CHANNEL	SD	UG/KG	VOA	100-42-5	STYRENE	50						3000	0.165000007
CHANNEL	SD	UG/KG	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	50						3000	0.119999997
CHANNEL	SD	UG/KG	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	50						3000	0.135000005
CHANNEL	SD	ug/kg	VOA	106-43-4	4-CHLOROTOLUENE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VOA	106-93-4	1,2-DIBROMOETHANE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VOA	107-02-8	ACROLEIN	2						44.5	36
CHANNEL	SD	UG/KG	VOA	107-06-2	1,2-DICHLOROETHANE	50	2	4.00%	4.199999809	2.749999881	1.299999952	3000	0.155000001
CHANNEL	SD	ug/kg	VOA	107-13-1	ACRYLONITRILE	2						4.449999809	3.599999905
CHANNEL	SD	UG/KG	VOA	108-05-4	VINYL ACETATE	50						31000	0.389999986
CHANNEL	SD	UG/KG	VOA	108-10-1	4-METHYL-2-PENTANONE	50						31000	0.425000012
CHANNEL	SD	ug/kg	VOA	108-67-8	1,3,5-TRIMETHYLBENZENE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VOA	108-86-1	BROMOBENZENE	2						0.899999976	0.699999988

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
CHANNEL	SD	UG/KG	VOA	108-88-3	TOLUENE	49	2	4.08%	28	17.3499999	6.699999809	3000	0.109999999
CHANNEL	SD	UG/KG	VOA	108-90-7	CHLOROBENZENE	49						3000	0.085000001
CHANNEL	SD	ug/kg	VOA	110-57-6	TRANS-1,4-DICHLORO-2-BUTENE	2						4.449999809	3.599999905
CHANNEL	SD	UG/KG	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	46						3000	0.625
CHANNEL	SD	UG/KG	VOA	124-48-1	DIBROMOCHLOROMETHANE	50						3000	0.135000005
CHANNEL	SD	UG/KG	VOA	127-18-4	TETRACHLOROETHENE	50						3000	0.104999997
CHANNEL	SD	UG/KG	VOA	1330-20-7	XYLENES (TOTAL)	50	3	6.00%	21	11.0333333	5	3000	0.219999999
CHANNEL	SD	ug/kg	VOA	142-28-9	1,3-DICHLOROPROPANE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VOA	156-59-2	CIS-1,2-DICHLOROETHENE	2						0.899999976	0.699999988
CHANNEL	SD	UG/KG	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	46						3000	0.165000007
CHANNEL	SD	UG/KG	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	4						6.5	3.950000048
CHANNEL	SD	UG/KG	VOA	56-23-5	CARBON TETRACHLORIDE	50						3000	0.094999999
CHANNEL	SD	ug/kg	VOA	563-58-6	1,1-DICHLOROPROPENE	2						0.899999976	0.699999988
CHANNEL	SD	UG/KG	VOA	591-78-6	2-HEXANONE	50						31000	0.35800001
CHANNEL	SD	ug/kg	VOA	594-20-7	2,2-DICHLOROPROPANE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VOA	630-20-6	1,1,1,2-TETRACHLOROETHANE	2						0.899999976	0.699999988
CHANNEL	SD	UG/KG	VOA	67-64-1	ACETONE	51	27	52.94%	480	107.4407407	11.30000019	62500	1.379999995
CHANNEL	SD	UG/KG	VOA	67-66-3	CHLOROFORM	50						3000	0.090000004
CHANNEL	SD	UG/KG	VOA	71-43-2	BENZENE	49	6	12.24%	1200	322.55	2	3000	0.150000006
CHANNEL	SD	UG/KG	VOA	71-55-6	1,1,1-TRICHLOROETHANE	50						3000	0.104999997
CHANNEL	SD	UG/KG	VOA	74-83-9	BROMOMETHANE	50						6000	0.119999997
CHANNEL	SD	UG/KG	VOA	74-87-3	CHLOROMETHANE	50						6000	0.215000004
CHANNEL	SD	ug/kg	VOA	74-88-4	IODOMETHANE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VOA	74-95-3	1,2-DIBROMOMETHANE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VOA	74-96-4	BROMOETHANE	2						1.75	1.450000048
CHANNEL	SD	ug/kg	VOA	74-97-5	BROMOCHLOROMETHANE	2						0.899999976	0.699999988
CHANNEL	SD	UG/KG	VOA	75-00-3	CHLOROETHANE	50						6000	0.314999998
CHANNEL	SD	UG/KG	VOA	75-01-4	VINYL CHLORIDE	50						6000	0.155000001
CHANNEL	SD	UG/KG	VOA	75-09-2	METHYLENE CHLORIDE	50	4	8.00%	25	13.32499999	1.299999952	3000	0.219999999
CHANNEL	SD	UG/KG	VOA	75-15-0	CARBON DISULFIDE	50	11	22.00%	39	14.3	1	3000	0.189999998
CHANNEL	SD	UG/KG	VOA	75-25-2	BROMOFORM	50						3000	0.050000001
CHANNEL	SD	UG/KG	VOA	75-27-4	BROMODICHLOROMETHANE	50	1	2.00%	22	22	22	3000	0.125
CHANNEL	SD	UG/KG	VOA	75-34-3	1,1-DICHLOROETHANE	50						3000	0.115000002
CHANNEL	SD	UG/KG	VOA	75-35-4	1,1-DICHLOROETHENE	49						3000	0.194999993
CHANNEL	SD	ug/kg	VOA	75-69-4	TRICHLOROFLUOROMETHANE	2						1.75	1.450000048
CHANNEL	SD	ug/kg	VOA	76-13-1	1,1,2-TRICHLOROTRIFLUOROETHANE	2						1.75	1.450000048
CHANNEL	SD	UG/KG	VOA	78-87-5	1,2-DICHLOROPROPANE	50						3000	0.140000001
CHANNEL	SD	UG/KG	VOA	78-93-3	2-BUTANONE	51	12	23.53%	47	16.88333327	1.799999952	31000	0.535000026
CHANNEL	SD	UG/KG	VOA	79-00-5	1,1,2-TRICHLOROETHANE	50						3000	0.150000006
CHANNEL	SD	UG/KG	VOA	79-01-6	TRICHLOROETHENE	49						3000	0.119999997
CHANNEL	SD	UG/KG	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	50						3000	0.174999997
CHANNEL	SD	ug/kg	VOA	95-47-6	O-XYLENE	18	1	5.56%	1	1	1	0.899999976	0.119999997
CHANNEL	SD	ug/kg	VOA	95-49-8	2-CHLOROTOLUENE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VOA	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	2						4.449999809	3.599999905
CHANNEL	SD	ug/kg	VOA	96-18-4	1,2,3-TRICHLOROPROPANE	2						1.75	1.450000048
CHANNEL	SD	ug/kg	VTIC	103-65-1	N-PROPYLBENZENE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VTIC	104-51-8	N-BUTYLBENZENE	2						1.75	1.450000048
CHANNEL	SD	ug/kg	VTIC	135-98-8	SEC-BUTYLBENZENE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	25	2	8.00%	25.79999924	13.59999961	1.399999976	2.5	0.294999987
CHANNEL	SD	ug/kg	VTIC	95-63-6	1,2,4-TRIMETHYLBENZENE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VTIC	98-06-6	TERT-BUTYLBENZENE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VTIC	98-82-8	ISOPROPYLBENZENE	2						0.899999976	0.699999988
CHANNEL	SD	ug/kg	VTIC	99-87-6	P-ISOPROPYLTOLUENE	2						0.899999976	0.699999988
CHANNEL	SW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	31						5	3
CHANNEL	SW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	25	16	64.00%	9000	1359.375	42	9.25	9.25
CHANNEL	SW	ug/L	DISMET	7439-92-1	LEAD, DISSOLVED	41	3	7.32%	3.700000048	2.900000016	2	5	1
CHANNEL	SW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	25	25	100.00%	58000	28912	14400		
CHANNEL	SW	ug/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	37	36	97.30%	2560	436.3888889	20	0.150000006	0.150000006
CHANNEL	SW	ug/L	DISMET	7439-97-6	MERCURY, DISSOLVED	38	1	2.63%	0.379999995	0.379999995	0.379999995	0.100000001	0.028999999
CHANNEL	SW	ug/L	DISMET	7440-02-0	NICKEL, DISSOLVED	41	20	48.78%	1100	240.2299999	39	20	0.600000024
CHANNEL	SW	UG/L	DISMET	7440-22-4	SILVER, DISSOLVED	19						5	0.349999994
CHANNEL	SW	UG/L	DISMET	7440-28-0	THALLIUM, DISSOLVED	4						1000	1000
CHANNEL	SW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	41						50	1.700000048
CHANNEL	SW	ug/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	41	3	7.32%	18.89999962	15.20000013	11.60000038	2.5	1.549999952
CHANNEL	SW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	44	38	86.36%	730	282.5368421	20	0.649999976	0.100000001
CHANNEL	SW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	41						2.5	0.680000007
CHANNEL	SW	ug/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	41						2.5	0.25
CHANNEL	SW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	41	1	2.44%	10	10	10	5	0.5
CHANNEL	SW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	29	1	3.45%	1.100000024	1.100000024	1.100000024	15	0.560000002

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
CHANNEL	SW	ug/L	DISMET	7440-50-8	COPPER, DISSOLVED	41						5	0.660000026
CHANNEL	SW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	41	21	51.22%	800	254.1904762	14	25	0.100000001
CHANNEL	SW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	41	29	70.73%	310	112.5931035	10	25	5
CHANNEL	SW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	41	6	14.63%	58.70000076	24.66666675	5.400000095	2.5	2.244999886
CHANNEL	SW	ug/L	GENX	1-00-3	CHLORIDE	37	37	100.00%	510000	199924.3243	41200		
CHANNEL	SW	ug/L	GENX	18496-25-8	SULFIDE	34	19	55.88%	9500	1907.631579	50	500	2.5
CHANNEL	SW	ug/L	GENX	18496-25-8	SULFIDE, TOTAL	3						25	25
CHANNEL	SW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	37	33	89.19%	1800	600	10	25	6.25
CHANNEL	SW	ug/L	GENX	25-90-0	NITRATE AS N	37	14	37.84%	7400	2217.142857	57	50	6.25
CHANNEL	SW	ug/L	GENX	3-03-5	SULFATE	37	33	89.19%	600000	205193.9394	16400	118000	1000
CHANNEL	SW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	25	25	100.00%	452000	206784	38400		
CHANNEL	SW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	37						2500	500
CHANNEL	SW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	37	37	100.00%	939000	254016.2162	27000		
CHANNEL	SW	ug/L	GENX	7440-09-7	POTASSIUM	27	23	85.19%	24000	8720.478261	811	2500	44.04999924
CHANNEL	SW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	25	16	64.00%	11100	5229.25	708	2500	34.75
CHANNEL	SW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	10	3	30.00%	9700	6600	2600	2500	2500
CHANNEL	SW	ug/L	GENX	7440-23-5	SODIUM	26	26	100.00%	350000	126342.3077	22000		
CHANNEL	SW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	25	25	100.00%	432000	123648	35900		
CHANNEL	SW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	10	10	100.00%	414000	205790	43600		
CHANNEL	SW	ug/L	GENX	7440-70-2	CALCIUM	27	27	100.00%	161000	82700	36100		
CHANNEL	SW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	25	25	100.00%	124000	63896	34600		
CHANNEL	SW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	10	10	100.00%	121000	82710	38000		
CHANNEL	SW	ug/L	GENX	7723-14-0	PHOSPHORUS	19	19	100.00%	2280	1479.473684	300		
CHANNEL	SW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	18	16	88.89%	910	370.625	90	35	28.99999809
CHANNEL	SW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	25	16	64.00%	5300	885.0625	45	580	6.25
CHANNEL	SW	ug/L	GENX	AVS	AVS DISTILLATION	4						50	50
CHANNEL	SW	ug/L	GENX	NH3 total	AMMONIA AS NH3, TOTAL	12	12	100.00%	4060	906.6666667	120		
CHANNEL	SW	ug/L	GENX	nitrite as N	NITRITE AS N	37	13	35.14%	240	106.3846154	10	50	5
CHANNEL	SW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	15	13	86.67%	843000	112538.4615	6000	500	500
CHANNEL	SW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	15	15	100.00%	1140000	455200	140000		
CHANNEL	SW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	37	31	83.78%	10100	2650	420	500	500
CHANNEL	SW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	37	37	100.00%	80700	12786.21622	1900		
CHANNEL	SW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	37	37	100.00%	1890000	850540.5405	230000		
CHANNEL	SW	UG/L	PCB	11096-82-5	AROCLOR-1260	8						0.25	0.125
CHANNEL	SW	ug/L	PCB	11097-69-1	AROCLOR-1254	8						0.25	0.125
CHANNEL	SW	UG/L	PCB	11104-28-2	AROCLOR-1221	8						0.25	0.125
CHANNEL	SW	UG/L	PCB	11141-16-5	AROCLOR-1232	8						0.25	0.125
CHANNEL	SW	UG/L	PCB	12672-29-6	AROCLOR-1248	8						0.25	0.125
CHANNEL	SW	UG/L	PCB	12674-11-2	AROCLOR-1016	8						0.25	0.125
CHANNEL	SW	UG/L	PCB	53469-21-9	AROCLOR-1242	8						0.25	0.125
CHANNEL	SW	ug/L	SVOA	100-01-6	4-NITROANILINE	41						250	0.800000012
CHANNEL	SW	ug/L	SVOA	100-02-7	4-NITROPHENOL	39						250	0.709999979
CHANNEL	SW	ug/L	SVOA	100-51-6	BENZYL ALCOHOL	37						10	0.850000024
CHANNEL	SW	ug/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	44						50	0.221000001
CHANNEL	SW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	39						50	0.675000012
CHANNEL	SW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	38	1	2.63%	3	3	3	5	0.340000004
CHANNEL	SW	ug/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	44						50	0.234999999
CHANNEL	SW	ug/L	SVOA	106-47-8	4-CHLOROANILINE	41						50	1.149999976
CHANNEL	SW	ug/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	44						50	0.200000003
CHANNEL	SW	ug/L	SVOA	108-95-2	PHENOL	37						5	0.275000006
CHANNEL	SW	ug/L	SVOA	110-86-1	PYRIDINE	37						10	1.850000024
CHANNEL	SW	ug/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	44						50	0.275000006
CHANNEL	SW	ug/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	44						50	0.171499997
CHANNEL	SW	ug/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	44	2	4.55%	15.39999962	13.04999971	10.69999981	50	0.600000024
CHANNEL	SW	ug/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	44						50	0.699999988
CHANNEL	SW	ug/L	SVOA	118-74-1	HEXACHLOROBENZENE	44						50	0.730000019
CHANNEL	SW	ug/L	SVOA	120-12-7	ANTHRACENE	44						50	0.180000007
CHANNEL	SW	ug/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	44						50	0.535000026
CHANNEL	SW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	39						50	0.254999995
CHANNEL	SW	ug/L	SVOA	121-14-2	2,4-DINITROTOLUENE	44						50	0.550000012
CHANNEL	SW	ug/L	SVOA	129-00-0	PYRENE	44						50	0.370000005
CHANNEL	SW	ug/L	SVOA	131-11-3	DIMETHYLPHTHALATE	44						50	0.215000004
CHANNEL	SW	ug/L	SVOA	132-64-9	DIBENZOFURAN	41						50	0.171499997
CHANNEL	SW	ug/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	44						50	0.25999999
CHANNEL	SW	ug/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	44						50	0.800000012
CHANNEL	SW	ug/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	44						50	0.275000006
CHANNEL	SW	ug/L	SVOA	206-44-0	FLUORANTHENE	44						50	0.405000001
CHANNEL	SW	ug/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	44						50	0.219999999
CHANNEL	SW	ug/L	SVOA	208-96-8	ACENAPHTHYLENE	44						50	0.200000003

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
CHANNEL	SW	ug/L	SVOA	218-01-9	CHRYSENE	44						50	0.74000001
CHANNEL	SW	ug/L	SVOA	50-32-8	BENZO(A)PYRENE	44						50	0.25
CHANNEL	SW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	39						250	0.680000007
CHANNEL	SW	ug/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	44						50	0.275000006
CHANNEL	SW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	39						250	0.5
CHANNEL	SW	ug/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	44						50	0.270000011
CHANNEL	SW	ug/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	44						50	0.280000001
CHANNEL	SW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	15						3.049999952	0.899999976
CHANNEL	SW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	39						50	0.36500001
CHANNEL	SW	ug/L	SVOA	606-20-2	2,6-DINITROTOLUENE	44						50	0.379999995
CHANNEL	SW	ug/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	43						50	0.409999996
CHANNEL	SW	ug/L	SVOA	65-85-0	BENZOIC ACID	36						25	0.600000024
CHANNEL	SW	ug/L	SVOA	67-72-1	HEXACHLOROETHANE	44						50	0.610000014
CHANNEL	SW	ug/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	44						50	0.175999999
CHANNEL	SW	ug/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	44						50	0.25
CHANNEL	SW	ug/L	SVOA	78-59-1	ISOPHORONE	44						50	0.289999992
CHANNEL	SW	ug/L	SVOA	83-32-9	ACENAPHTHENE	44						50	0.680000007
CHANNEL	SW	ug/L	SVOA	84-66-2	DIETHYLPHTHALATE	44						50	0.425500005
CHANNEL	SW	ug/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	44	4	9.09%	7.099999905	6.12499994	3.200000048	50	0.425000012
CHANNEL	SW	ug/L	SVOA	85-01-8	PHENANTHRENE	44						50	0.714999974
CHANNEL	SW	ug/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	44	1	2.27%	1.399999976	1.399999976	1.399999976	50	0.488000005
CHANNEL	SW	ug/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	44						50	0.850000024
CHANNEL	SW	ug/L	SVOA	86-73-7	FLUORENE	44						50	0.234999999
CHANNEL	SW	ug/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	44						50	0.529999971
CHANNEL	SW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	38						250	0.444999993
CHANNEL	SW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	39						50	0.294999987
CHANNEL	SW	ug/L	SVOA	88-74-4	2-NITROANILINE	41						250	0.453999996
CHANNEL	SW	ug/L	SVOA	88-75-5	2-NITROPHENOL	39						50	0.224999994
CHANNEL	SW	ug/L	SVOA	91-20-3	NAPHTHALENE	44						50	0.36500001
CHANNEL	SW	ug/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	41						50	0.324999988
CHANNEL	SW	ug/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	44						50	0.1875
CHANNEL	SW	ug/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	44						100	1.284999967
CHANNEL	SW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	39						50	0.275000006
CHANNEL	SW	ug/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	44						50	0.275000006
CHANNEL	SW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	39						50	0.159999996
CHANNEL	SW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	39						250	0.234999999
CHANNEL	SW	ug/L	SVOA	98-95-3	NITROBENZENE	44						50	0.294999987
CHANNEL	SW	ug/L	SVOA	99-09-2	3-NITROANILINE	41						250	0.649999976
CHANNEL	SW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	29	1	3.45%	11	11	11	5	3
CHANNEL	SW	ug/L	TOTMET	7439-89-6	IRON, TOTAL	36	33	91.67%	52500	7267.272727	290	602	9.25
CHANNEL	SW	ug/L	TOTMET	7439-92-1	LEAD, TOTAL	42	12	28.57%	370	37.56666668	2.5	2.5	1
CHANNEL	SW	ug/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	37	37	100.00%	71400	35443.24324	6000		
CHANNEL	SW	ug/L	TOTMET	7439-96-5	MANGANESE, TOTAL	37	36	97.30%	2670	562.8888889	40	1.455000043	1.455000043
CHANNEL	SW	ug/L	TOTMET	7439-97-6	MERCURY, TOTAL	44	2	4.55%	0.879999995	0.835000008	0.790000021	0.100000001	0.0085
CHANNEL	SW	ug/L	TOTMET	7440-02-0	NICKEL, TOTAL	41	26	63.41%	1200	245.9461536	39	20	2.625
CHANNEL	SW	UG/L	TOTMET	7440-22-4	SILVER, TOTAL	16						10	0.349999994
CHANNEL	SW	UG/L	TOTMET	7440-28-0	THALLIUM, TOTAL	4						2000	1000
CHANNEL	SW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	38						50	1.700000048
CHANNEL	SW	ug/L	TOTMET	7440-38-2	ARSENIC, TOTAL	44	5	11.36%	11	6.339999914	1	2.5	1.299999952
CHANNEL	SW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	41	27	65.85%	1900	137.037037	10	0.649999976	0.100000001
CHANNEL	SW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	41	1	2.44%	7	7	7	2.5	0.680000007
CHANNEL	SW	ug/L	TOTMET	7440-43-9	CADMIUM, TOTAL	41						5	0.25
CHANNEL	SW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	44	14	31.82%	630	64.63785708	0.930000007	5	0.5
CHANNEL	SW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	29	2	6.90%	260	130.7	1.399999976	15	0.560000002
CHANNEL	SW	ug/L	TOTMET	7440-50-8	COPPER, TOTAL	41	13	31.71%	1300	135.3923074	10	5	0.660000026
CHANNEL	SW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	41	29	70.73%	5100	427.4827586	17	25	0.100000001
CHANNEL	SW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	38	28	73.68%	2600	194.2571427	20	31	6.800000191
CHANNEL	SW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	41	2	4.88%	5.099999905	3.049999952	1	25	1.049999952
CHANNEL	SW	ug/L	VOA	100-41-4	ETHYLBENZENE	45	2	4.44%	6.099999905	3.334999949	0.569999993	25	0.02
CHANNEL	SW	ug/L	VOA	100-42-5	STYRENE	41						25	0.015
CHANNEL	SW	ug/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	44						25	0.02
CHANNEL	SW	ug/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	44						25	0.015
CHANNEL	SW	ug/L	VOA	107-06-2	1,2-DICHLOROETHANE	44						25	0.02
CHANNEL	SW	ug/L	VOA	108-05-4	VINYL ACETATE	41						250	0.699999988
CHANNEL	SW	ug/L	VOA	108-10-1	4-METHYL-2-PENTANONE	41						250	0.550000012
CHANNEL	SW	ug/L	VOA	108-88-3	TOLUENE	44	3	6.82%	14	5.866666675	1.700000048	25	0.01
CHANNEL	SW	ug/L	VOA	108-90-7	CHLOROBENZENE	44						25	0.02
CHANNEL	SW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	40						25	0.625
CHANNEL	SW	ug/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	44						25	0.02

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
CHANNEL	SW	ug/L	VOA	127-18-4	TETRACHLOROETHENE	44						25	0.035
CHANNEL	SW	ug/L	VOA	1330-20-7	XYLENES (TOTAL)	44	3	6.82%	61	24.36666663	3.900000095	25	0.460000008
CHANNEL	SW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	40						25	0.025
CHANNEL	SW	UG/L	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	4						2.5	2.5
CHANNEL	SW	ug/L	VOA	56-23-5	CARBON TETRACHLORIDE	44						25	0.035
CHANNEL	SW	ug/L	VOA	591-78-6	2-HEXANONE	41						250	0.349999994
CHANNEL	SW	ug/L	VOA	67-64-1	ACETONE	44	3	6.82%	5.800000191	4.500000079	2.200000048	500	0.850000024
CHANNEL	SW	ug/L	VOA	67-66-3	CHLOROFORM	44	1	2.27%	0.5	0.5	0.5	25	0.02
CHANNEL	SW	ug/L	VOA	71-43-2	BENZENE	41	5	12.20%	370	97.54000015	2	2.5	0.035
CHANNEL	SW	ug/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	44						25	0.02
CHANNEL	SW	ug/L	VOA	74-83-9	BROMOMETHANE	44						50	0.02
CHANNEL	SW	ug/L	VOA	74-87-3	CHLOROMETHANE	44						50	0.039999999
CHANNEL	SW	ug/L	VOA	75-00-3	CHLOROETHANE	44						50	0.025
CHANNEL	SW	ug/L	VOA	75-01-4	VINYL CHLORIDE	44						50	0.015
CHANNEL	SW	ug/L	VOA	75-09-2	METHYLENE CHLORIDE	44	1	2.27%	20.89999962	20.89999962	20.89999962	25	0.079999998
CHANNEL	SW	ug/L	VOA	75-15-0	CARBON DISULFIDE	44	3	6.82%	120	81	53	25	0.354999989
CHANNEL	SW	ug/L	VOA	75-25-2	BROMOFORM	44						25	0.300000012
CHANNEL	SW	ug/L	VOA	75-27-4	BROMODICHLOROMETHANE	44	1	2.27%	0.230000004	0.230000004	0.230000004	25	0.01
CHANNEL	SW	ug/L	VOA	75-34-3	1,1-DICHLOROETHANE	44						25	0.02
CHANNEL	SW	ug/L	VOA	75-35-4	1,1-DICHLOROETHENE	44						25	0.02
CHANNEL	SW	ug/L	VOA	78-87-5	1,2-DICHLOROPROPANE	44						25	0.045000002
CHANNEL	SW	ug/L	VOA	78-93-3	2-BUTANONE	44	1	2.27%	4.300000191	4.300000191	4.300000191	250	0.449999988
CHANNEL	SW	ug/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	44						25	0.02
CHANNEL	SW	ug/L	VOA	79-01-6	TRICHLOROETHENE	44						25	0.025
CHANNEL	SW	ug/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	44						25	0.029999999
CHANNEL	SW	ug/L	VOA	95-47-6	O-XYLENE	15						0.550000012	0.340000004
CHANNEL	SW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	25	4	16.00%	29.20000076	14.37500024	1.5	2.5	0.349999994
CHANNEL	SW	ug/L	VTIC	methane	METHANE	21	13	61.90%	770	256.5384615	20	5000	2.5
DEEP	GW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	119	1	0.84%	20	20	20	5	3
DEEP	GW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	125	72	57.60%	14800	2168.819444	40	658	9.25
DEEP	GW	ug/L	DISMET	7439-92-1	LEAD, DISSOLVED	199	4	2.01%	6.699999809	3.699999928	2	5	1
DEEP	GW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	125	125	100.00%	215000	33641.6	4750		
DEEP	GW	ug/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	193	161	83.42%	7060	1109.350311	10	553	0.150000006
DEEP	GW	ug/L	DISMET	7439-97-6	MERCURY, DISSOLVED	198	1	0.51%	0.389999986	0.389999986	0.389999986	0.100000001	0.028999999
DEEP	GW	ug/L	DISMET	7440-02-0	NICKEL, DISSOLVED	201	6	2.99%	120	46.83333333	20	20	0.600000024
DEEP	GW	ug/L	DISMET	7440-22-4	SILVER, DISSOLVED	109	3	2.75%	3	2.333333333	2	5	0.349999994
DEEP	GW	UG/L	DISMET	7440-28-0	THALLIUM, DISSOLVED	8						1000	1000
DEEP	GW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	181	3	1.66%	90	70	60	50	1.700000048
DEEP	GW	ug/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	199	52	26.13%	80	30.01538471	1	2.5	0.5
DEEP	GW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	181	144	79.56%	1270	450.7777778	34	5	0.100000001
DEEP	GW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	181						2.5	0.680000007
DEEP	GW	ug/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	201	7	3.48%	4	2.428571429	2	2.5	0.25
DEEP	GW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	181						5	0.5
DEEP	GW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	133	1	0.75%	3.099999905	3.099999905	3.099999905	15	0.560000002
DEEP	GW	ug/L	DISMET	7440-50-8	COPPER, DISSOLVED	201	10	4.98%	30	19.7	10	5	0.660000026
DEEP	GW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	181	8	4.42%	54	19.36249995	8.899999619	25	0.100000001
DEEP	GW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	182	139	76.37%	351	107.3215827	10	10	5
DEEP	GW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	177	30	16.95%	25.5	9.596666638	5.099999905	25	2.244999886
DEEP	GW	ug/L	GENX	1-00-3	CHLORIDE	218	218	100.00%	1010000	86181.19266	9500		
DEEP	GW	ug/L	GENX	18496-25-8	SULFIDE	128	21	16.41%	160	69.42857143	20	5000	1
DEEP	GW	ug/L	GENX	18496-25-8	SULFIDE, TOTAL	15						250	25
DEEP	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	200	103	51.50%	1800	222.0485437	10	50	2
DEEP	GW	ug/L	GENX	25-90-0	NITRATE AS N	220	85	38.64%	1200	387.5882353	10	50	5
DEEP	GW	ug/L	GENX	3-03-5	SULFATE	216	148	68.52%	244000	32576.75676	1340	223000	500
DEEP	GW	ug/L	GENX	477423-70-0	ALKALINITY, HYDROX.	1						2500	2500
DEEP	GW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	131	131	100.00%	790000	360603.0534	60000		
DEEP	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	194						5000	500
DEEP	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	220	220	100.00%	5640000	381996.1364	5150		
DEEP	GW	ug/L	GENX	57-12-5	CYANIDE	1						5	5
DEEP	GW	ug/L	GENX	7440-09-7	POTASSIUM	174	83	47.70%	52000	3244.843373	420	2500	34.75
DEEP	GW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	123	71	57.72%	23600	2485.690141	508	2500	34.75
DEEP	GW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	44	4	9.09%	73900	27525	6900	2500	2500
DEEP	GW	ug/L	GENX	7440-23-5	SODIUM	173	173	100.00%	832000	64908.12139	23200		
DEEP	GW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	123	123	100.00%	1160000	83660.97561	27400		
DEEP	GW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	44	44	100.00%	722000	80750	31700		
DEEP	GW	ug/L	GENX	7440-70-2	CALCIUM	153	153	100.00%	1450000	86691.50327	10100		
DEEP	GW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	123	123	100.00%	198000	73910.73171	8180		
DEEP	GW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	44	44	100.00%	256000	93027.27273	37500		
DEEP	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	100	79	79.00%	5200	253.721519	10	45	5

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
DEEP	GW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	91	22	24.18%	3000	406.5	52	20800	25
DEEP	GW	ug/L	GENX	7727-37-9	NITROGEN, TOTAL	20	18	90.00%	2270	1166.111111	300	230	25
DEEP	GW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	125	32	25.60%	600	158.40625	51	160	6.25
DEEP	GW	ug/L	GENX	NH3 total	AMMONIA AS NH3, TOTAL	47	27	57.45%	840	90.37037037	10	5	5
DEEP	GW	ug/L	GENX	nitrite as N	NITRITE AS N	172	16	9.30%	50	19.375	10	50	5
DEEP	GW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	81	45	55.56%	207000	27822.22222	4000	500	500
DEEP	GW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	81	80	98.77%	1920000	608437.5	168000	1250	1250
DEEP	GW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	167	19	11.38%	4300	772.1578947	281	1100	140
DEEP	GW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	171	91	53.22%	256000	11295.6044	1000	2500	61
DEEP	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	191	190	99.48%	5810000	590415.7895	156000	97000	97000
DEEP	GW	UG/L	HERB	88-85-7	DINOSEB	1						0.023499999	0.023499999
DEEP	GW	UG/L	HERB	93-72-1	2,4,5-TP (SILVEX)	1						0.023499999	0.023499999
DEEP	GW	UG/L	HERB	93-76-5	2,4,5-T	1						0.023499999	0.023499999
DEEP	GW	UG/L	HERB	94-75-7	2,4-D	1						0.023499999	0.023499999
DEEP	GW	UG/L	OPP	297-97-2	THIONAZIN	1						0.265500009	0.265500009
DEEP	GW	UG/L	OPP	298-00-0	METHYL PARATHION	1						0.261000007	0.261000007
DEEP	GW	UG/L	OPP	298-02-2	PHORATE	1						0.263999999	0.263999999
DEEP	GW	UG/L	OPP	298-04-4	DISULFOTON	1						0.25	0.25
DEEP	GW	UG/L	OPP	3689-24-5	SULFOTEPP	1						0.268000007	0.268000007
DEEP	GW	UG/L	OPP	52-85-7	FAMPHUR	1						0.5	0.5
DEEP	GW	UG/L	OPP	56-38-2	ETHYL PARATHION	1						0.25	0.25
DEEP	GW	UG/L	OPP	60-51-5	DIMETHOATE	1						0.250999987	0.250999987
DEEP	GW	UG/L	PCB	11096-82-5	AROCLOR-1260	1						0.25	0.25
DEEP	GW	UG/L	PCB	11097-69-1	AROCLOR-1254	1						0.25	0.25
DEEP	GW	UG/L	PCB	11104-28-2	AROCLOR-1221	1						0.25	0.25
DEEP	GW	UG/L	PCB	11141-16-5	AROCLOR-1232	1						0.25	0.25
DEEP	GW	UG/L	PCB	12672-29-6	AROCLOR-1248	1						0.25	0.25
DEEP	GW	UG/L	PCB	12674-11-2	AROCLOR-1016	1						0.25	0.25
DEEP	GW	UG/L	PCB	53469-21-9	AROCLOR-1242	1						0.25	0.25
DEEP	GW	UG/L	PEST	1024-57-3	HEPTACHLOR EPOXIDE	1						0.025	0.025
DEEP	GW	UG/L	PEST	1031-07-8	ENDOSULFAN SULFATE	1						0.050000001	0.050000001
DEEP	GW	UG/L	PEST	2303-16-4	DIALLATE	1						0.5	0.5
DEEP	GW	UG/L	PEST	309-00-2	ALDRIN	1						0.025	0.025
DEEP	GW	UG/L	PEST	319-84-6	ALPHA-BHC	1						0.0125	0.0125
DEEP	GW	UG/L	PEST	319-85-7	BETA-BHC	1						0.025	0.025
DEEP	GW	UG/L	PEST	319-86-8	DELTA-BHC	1						0.025	0.025
DEEP	GW	UG/L	PEST	33213-65-9	ENDOSULFAN II	1						0.050000001	0.050000001
DEEP	GW	UG/L	PEST	465-73-6	ISODRIN	1						0.01	0.01
DEEP	GW	UG/L	PEST	50-29-3	4,4'-DDT	1						0.050000001	0.050000001
DEEP	GW	UG/L	PEST	510-15-6	CHLOROBENZILATE	1						0.5	0.5
DEEP	GW	UG/L	PEST	5103-71-9	ALPHA-CHLORDANE	1						0.025	0.025
DEEP	GW	UG/L	PEST	5103-74-2	GAMMA-CHLORDANE	1						0.025	0.025
DEEP	GW	UG/L	PEST	53494-70-5	ENDRIN KETONE	1						0.050000001	0.050000001
DEEP	GW	UG/L	PEST	58-89-9	GAMMA-BHC	1						0.0125	0.0125
DEEP	GW	UG/L	PEST	60-57-1	DIELDRIN	1						0.025	0.025
DEEP	GW	UG/L	PEST	72-20-8	ENDRIN	1						0.025	0.025
DEEP	GW	UG/L	PEST	72-43-5	METHOXYCHLOR	1						0.25	0.25
DEEP	GW	UG/L	PEST	72-54-8	4,4'-DDD	1						0.050000001	0.050000001
DEEP	GW	UG/L	PEST	72-55-9	4,4'-DDE	1						0.025	0.025
DEEP	GW	UG/L	PEST	76-44-8	HEPTACHLOR	1						0.025	0.025
DEEP	GW	UG/L	PEST	8001-35-2	TOXAPHENE	1						0.5	0.5
DEEP	GW	UG/L	PEST	959-98-8	ENDOSULFAN I	1						0.025	0.025
DEEP	GW	ug/L	SVOA	100-01-6	4-NITROANILINE	182						50	0.800000012
DEEP	GW	ug/L	SVOA	100-02-7	4-NITROPHENOL	165						25	0.709999979
DEEP	GW	ug/L	SVOA	100-51-6	BENZYL ALCOHOL	182						10	0.850000024
DEEP	GW	UG/L	SVOA	100-75-4	N-NITROSOPIPERIDINE	1						0.5	0.5
DEEP	GW	ug/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	182						10	0.221000001
DEEP	GW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	170	2	1.18%	14	9.25	4.5	5	0.675000012
DEEP	GW	UG/L	SVOA	10595-95-6	N-NITROSOMETHYLETHYLAMINE	1						1	1
DEEP	GW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	170	1	0.59%	54	54	54	5	0.340000004
DEEP	GW	ug/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	202						50	0.234999999
DEEP	GW	ug/L	SVOA	106-47-8	4-CHLOROANILINE	181						10	1
DEEP	GW	UG/L	SVOA	106-50-3	1,4-BENZENEDIAMINE	1						15	15
DEEP	GW	UG/L	SVOA	108-39-4	M-CRESOL	1						0.5	0.5
DEEP	GW	ug/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	182						10	0.200000003
DEEP	GW	ug/L	SVOA	108-95-2	PHENOL	175	23	13.14%	1400	109.2521739	4.400000095	5.5	0.275000006
DEEP	GW	UG/L	SVOA	109-06-8	2-PICOLINE	1						1	1
DEEP	GW	ug/L	SVOA	110-86-1	PYRIDINE	171						10	1.850000024
DEEP	GW	ug/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	182						10	0.275000006

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
DEEP	GW	ug/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	182						10	0.171499997
DEEP	GW	ug/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	182	41	22.53%	78	20.5048782	4.900000095	56.90000153	3.150000095
DEEP	GW	ug/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	182						10	0.699999988
DEEP	GW	ug/L	SVOA	118-74-1	HEXACHLOROBENZENE	182						10	0.730000019
DEEP	GW	UG/L	SVOA	119-93-7	3,3'-DIMETHYLBENZIDINE	1						0.75	0.75
DEEP	GW	ug/L	SVOA	120-12-7	ANTHRACENE	182						10	0.180000007
DEEP	GW	UG/L	SVOA	120-58-1	ISOSAFROLE	1						0.5	0.5
DEEP	GW	ug/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	202						50	0.25
DEEP	GW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	170						5	0.254999995
DEEP	GW	ug/L	SVOA	121-14-2	2,4-DINITROTOLUENE	182						10	0.550000012
DEEP	GW	UG/L	SVOA	122-09-8	A,A-DIMETHYLPHENETHYLAMINE	1						5.5	5.5
DEEP	GW	UG/L	SVOA	122-39-4	DIPHENYLAMINE	1						0.5	0.5
DEEP	GW	UG/L	SVOA	126-68-1	O,O,O-TRIETHYLPHOSPHOROTHOIATE	1						0.266000003	0.266000003
DEEP	GW	ug/L	SVOA	129-00-0	PYRENE	182						10	0.370000005
DEEP	GW	UG/L	SVOA	130-15-4	1,4-NAPHTHOQUINONE	1						0.5	0.5
DEEP	GW	ug/L	SVOA	131-11-3	DIMETHYLPHTHALATE	182						10	0.215000004
DEEP	GW	ug/L	SVOA	132-64-9	DIBENZOFURAN	182						10	0.171499997
DEEP	GW	UG/L	SVOA	134-32-7	1-NAPHTHYLAMINE	1						0.5	0.5
DEEP	GW	UG/L	SVOA	140-57-8	ARAMITE	1						1	1
DEEP	GW	UG/L	SVOA	1888-71-7	HEXACHLOROPROPENE	1						2	2
DEEP	GW	ug/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	182						10	0.25999999
DEEP	GW	ug/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	182						10	0.800000012
DEEP	GW	ug/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	182						10	0.275000006
DEEP	GW	ug/L	SVOA	206-44-0	FLUORANTHENE	182						10	0.405000001
DEEP	GW	ug/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	182						10	0.219999999
DEEP	GW	ug/L	SVOA	208-96-8	ACENAPHTHYLENE	182						10	0.200000003
DEEP	GW	ug/L	SVOA	218-01-9	CHRYSENE	182						10	0.74000001
DEEP	GW	UG/L	SVOA	23950-58-5	PRONAMIDE	1						0.5	0.5
DEEP	GW	ug/L	SVOA	50-32-8	BENZO(A)PYRENE	182						10	0.25
DEEP	GW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	170						25	0.680000007
DEEP	GW	ug/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	182						10	0.275000006
DEEP	GW	UG/L	SVOA	53-96-3	2-ACETYLAMINOFLUORENE	1						0.75	0.75
DEEP	GW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	170						25	0.5
DEEP	GW	ug/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	202						50	0.25
DEEP	GW	UG/L	SVOA	55-18-5	N-NITROSODIETHYLAMINE	1						0.5	0.5
DEEP	GW	UG/L	SVOA	56-49-5	3-METHYLCHOLANTHRENE	1						0.5	0.5
DEEP	GW	ug/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	182						10	0.280000001
DEEP	GW	UG/L	SVOA	56-57-5	4-NITROQUINOLINE 1-OXIDE	1						13	13
DEEP	GW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	81						3.202500105	0.5
DEEP	GW	UG/L	SVOA	58-90-2	2,3,4,6-TETRACHLOROPHENOL	1						0.5	0.5
DEEP	GW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	170						5	0.36500001
DEEP	GW	UG/L	SVOA	59-89-2	N-NITROSOMORPHOLINE	1						0.5	0.5
DEEP	GW	UG/L	SVOA	60-11-7	P-DIMETHYLAMINO AZOBENZENE	1						0.5	0.5
DEEP	GW	ug/L	SVOA	606-20-2	2,6-DINITROTOLUENE	182						10	0.379999995
DEEP	GW	UG/L	SVOA	608-93-5	PENTACHLOROBENZENE	1						0.5	0.5
DEEP	GW	UG/L	SVOA	62-44-2	PHENACETIN	1						0.5	0.5
DEEP	GW	UG/L	SVOA	62-50-0	ETHYL METHANESULFONATE	1						0.5	0.5
DEEP	GW	UG/L	SVOA	62-53-3	ANILINE	1						1	1
DEEP	GW	UG/L	SVOA	62-75-9	N-NITROSODIMETHYLAMINE	1						0.5	0.5
DEEP	GW	ug/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	182						10	0.409999996
DEEP	GW	ug/L	SVOA	65-85-0	BENZOIC ACID	181						50	0.600000024
DEEP	GW	UG/L	SVOA	66-27-3	METHYL METHANESULFONATE	1						0.5	0.5
DEEP	GW	ug/L	SVOA	67-72-1	HEXACHLOROETHANE	182						10	0.610000014
DEEP	GW	UG/L	SVOA	70-30-4	HEXACHLOROPHENE	1						100	100
DEEP	GW	ug/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	182						10	0.175999999
DEEP	GW	UG/L	SVOA	76-01-7	PENTACHLOROETHANE	1						2.5	2.5
DEEP	GW	ug/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	180						25	0.25
DEEP	GW	ug/L	SVOA	78-59-1	ISOPHORONE	182						10	0.289999992
DEEP	GW	UG/L	SVOA	82-68-8	PENTACHLORONITROBENZENE	1						1	1
DEEP	GW	ug/L	SVOA	83-32-9	ACENAPHTHENE	182						10	0.5
DEEP	GW	ug/L	SVOA	84-66-2	DIETHYLPHTHALATE	182	1	0.55%	2.099999905	2.099999905	2.099999905	10	0.425500005
DEEP	GW	ug/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	182	4	2.20%	2.299999952	1.74999997	1.299999952	10.5	0.425000012
DEEP	GW	ug/L	SVOA	85-01-8	PHENANTHRENE	182						10	0.5
DEEP	GW	ug/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	182						10	0.488000005
DEEP	GW	ug/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	182						10	0.5
DEEP	GW	ug/L	SVOA	86-73-7	FLUORENE	182	4	2.20%	12	5.75000006	1.200000048	10	0.234999999
DEEP	GW	UG/L	SVOA	87-61-6	1,2,3-TRICHLOROBENZENE	20						50	0.25
DEEP	GW	UG/L	SVOA	87-65-0	2,6-DICHLOROPHENOL	1						0.5	0.5
DEEP	GW	ug/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	202						50	0.25

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
DEEP	GW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	170						25	0.444999993
DEEP	GW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	170						5	0.294999987
DEEP	GW	ug/L	SVOA	88-74-4	2-NITROANILINE	182						50	0.453999996
DEEP	GW	ug/L	SVOA	88-75-5	2-NITROPHENOL	170						5	0.224999994
DEEP	GW	ug/L	SVOA	91-20-3	NAPHTHALENE	208	14	6.73%	54	17.47857143	1.299999952	50	0.25
DEEP	GW	ug/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	182	2	1.10%	11	8.349999905	5.699999809	10	0.324999988
DEEP	GW	ug/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	182						10	0.1875
DEEP	GW	UG/L	SVOA	91-59-8	2-NAPHTHYLAMINE	1						0.5	0.5
DEEP	GW	UG/L	SVOA	91-80-5	METHAPYRILENE	1						27.5	27.5
DEEP	GW	ug/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	180						25	1.284999967
DEEP	GW	UG/L	SVOA	92-67-1	4-AMINOBIPHENYL	1						0.5	0.5
DEEP	GW	UG/L	SVOA	924-16-3	N-NITROSO-DI-N-BUTYLAMINE	1						0.5	0.5
DEEP	GW	UG/L	SVOA	930-55-2	N-NITROSOPYRROLIDINE	1						0.5	0.5
DEEP	GW	UG/L	SVOA	94-59-7	SAFROLE	1						0.5	0.5
DEEP	GW	UG/L	SVOA	95-13-6	1H-INDENE	6						5.5	5
DEEP	GW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	175	1	0.57%	36	36	36	5.5	0.275000006
DEEP	GW	ug/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	202						50	0.25
DEEP	GW	UG/L	SVOA	95-53-4	O-TOLUIDINE	1						0.5	0.5
DEEP	GW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	170						5	0.159999996
DEEP	GW	UG/L	SVOA	95-94-3	1,2,4,5-TETRACHLOROBENZENE	1						0.5	0.5
DEEP	GW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	170						5	0.234999999
DEEP	GW	UG/L	SVOA	98-86-2	ACETOPHENONE	1						0.5	0.5
DEEP	GW	ug/L	SVOA	98-95-3	NITROBENZENE	182						10	0.294999987
DEEP	GW	ug/L	SVOA	99-09-2	3-NITROANILINE	182						50	0.649999976
DEEP	GW	UG/L	SVOA	99-35-4	1,3,5-TRINITROBENZENE	1						1	1
DEEP	GW	UG/L	SVOA	99-55-8	5-NITRO-O-TOLUIDINE	1						0.5	0.5
DEEP	GW	UG/L	SVOA	99-65-0	1,3-DINITROBENZENE	1						0.75	0.75
DEEP	GW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	124	1	0.81%	50	50	50	5	3
DEEP	GW	ug/L	TOTMET	7439-89-6	IRON, TOTAL	242	192	79.34%	1950000	25217.89583	30	490	9.25
DEEP	GW	ug/L	TOTMET	7439-92-1	LEAD, TOTAL	200	13	6.50%	63	13.25384613	2	2.5	1
DEEP	GW	ug/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	219	219	100.00%	523000	37990.59361	5110		
DEEP	GW	ug/L	TOTMET	7439-96-5	MANGANESE, TOTAL	191	173	90.58%	36400	1471.375723	10	5	0.150000006
DEEP	GW	ug/L	TOTMET	7439-97-6	MERCURY, TOTAL	191	4	2.09%	0.460000008	0.300000001	0.200000003	0.100000001	0.0085
DEEP	GW	ug/L	TOTMET	7440-02-0	NICKEL, TOTAL	200	16	8.00%	330	68.91875029	20	25	0.600000024
DEEP	GW	ug/L	TOTMET	7440-22-4	SILVER, TOTAL	103	9	8.74%	7	3.555555556	1	5	0.349999994
DEEP	GW	UG/L	TOTMET	7440-28-0	THALLIUM, TOTAL	9						1000	0.850000024
DEEP	GW	UG/L	TOTMET	7440-31-5	TIN, TOTAL	1						38.45000076	38.45000076
DEEP	GW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	180	1	0.56%	80	80	80	50	1.700000048
DEEP	GW	ug/L	TOTMET	7440-38-2	ARSENIC, TOTAL	200	52	26.00%	130	34.31346169	1	2.5	0.5
DEEP	GW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	179	110	61.45%	4770	206.4363636	12	16.75	0.100000001
DEEP	GW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	180	2	1.11%	5.199999809	4.899999857	4.599999905	25	0.680000007
DEEP	GW	ug/L	TOTMET	7440-43-9	CADMIUM, TOTAL	200	16	8.00%	19	5.625	2	10	0.25
DEEP	GW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	180	15	8.33%	700	102.5933333	10	5	0.5
DEEP	GW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	134	5	3.73%	400	134.6	18	15	0.560000002
DEEP	GW	ug/L	TOTMET	7440-50-8	COPPER, TOTAL	200	30	15.00%	4030	362.12	5.5	15	0.660000026
DEEP	GW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	180	19	10.56%	4990	528.5105264	10	25	0.100000001
DEEP	GW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	180	34	18.89%	3350	213.4911764	10	15	5
DEEP	GW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	173	10	5.78%	16.29999924	9.96999979	4.099999905	25	1
DEEP	GW	ug/L	VOA	100-41-4	ETHYLBENZENE	247	25	10.12%	3130	465.7800001	1.5	12500	0.02
DEEP	GW	ug/L	VOA	100-42-5	STYRENE	223						12500	0.015
DEEP	GW	ug/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	223						12500	0.02
DEEP	GW	ug/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	223						12500	0.015
DEEP	GW	UG/L	VOA	106-43-4	4-CHLOROTOLUENE	20						50	0.25
DEEP	GW	UG/L	VOA	106-93-4	1,2-DIBROMOETHANE	21						50	0.25
DEEP	GW	UG/L	VOA	107-02-8	ACROLEIN	1						50	50
DEEP	GW	UG/L	VOA	107-05-1	3-CHLOROPROPENE	1						2.5	2.5
DEEP	GW	ug/L	VOA	107-06-2	1,2-DICHLOROETHANE	223	1	0.45%	2.5	2.5	2.5	12500	0.02
DEEP	GW	UG/L	VOA	107-12-0	PROPIONITRILE	1						2.5	2.5
DEEP	GW	UG/L	VOA	107-13-1	ACRYLONITRILE	1						50	50
DEEP	GW	ug/L	VOA	108-05-4	VINYL ACETATE	203						100000	0.699999988
DEEP	GW	ug/L	VOA	108-10-1	4-METHYL-2-PENTANONE	203						100000	0.550000012
DEEP	GW	UG/L	VOA	108-67-8	1,3,5-TRIMETHYLBENZENE	20						50	0.25
DEEP	GW	UG/L	VOA	108-86-1	BROMOBENZENE	20						50	0.25
DEEP	GW	ug/L	VOA	108-88-3	TOLUENE	247	28	11.34%	22000	2165.439643	0.899999976	12500	0.01
DEEP	GW	ug/L	VOA	108-90-7	CHLOROBENZENE	223	1	0.45%	4.800000191	4.800000191	4.800000191	12500	0.02
DEEP	GW	UG/L	VOA	110-57-6	TRANS-1,4-DICHLORO-2-BUTENE	1						2.5	2.5
DEEP	GW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	171						10000	0.625
DEEP	GW	UG/L	VOA	123-91-1	1,4-DIOXANE	1						1000	1000
DEEP	GW	ug/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	223						12500	0.02

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
DEEP	GW	UG/L	VOA	126-98-7	METHACRYLONITRILE	1						2.5	2.5
DEEP	GW	UG/L	VOA	126-99-8	CHLOROPRENE	1						5	5
DEEP	GW	ug/L	VOA	127-18-4	TETRACHLOROETHENE	223	4	1.79%	7	3.674999982	1.399999976	12500	0.035
DEEP	GW	ug/L	VOA	1330-20-7	XYLENES (TOTAL)	247	32	12.96%	130000	10253.56094	0.600000024	12500	0.25
DEEP	GW	UG/L	VOA	142-28-9	1,3-DICHLOROPROPANE	20						50	0.25
DEEP	GW	UG/L	VOA	156-59-2	CIS-1,2-DICHLOROETHENE	20	2	10.00%	2.200000048	1.600000024	1	50	0.25
DEEP	GW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	191	1	0.52%	1.399999976	1.399999976	1.399999976	10000	0.025
DEEP	GW	UG/L	VOA	25321-22-6	DICHLOROBENZENE	1						2.5	2.5
DEEP	GW	UG/L	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	32	2	6.25%	6.300000191	5.850000143	5.400000095	12500	2.5
DEEP	GW	ug/L	VOA	56-23-5	CARBON TETRACHLORIDE	223						12500	0.035
DEEP	GW	UG/L	VOA	563-58-6	1,1-DICHLOROPROPENE	20						50	0.25
DEEP	GW	ug/L	VOA	591-78-6	2-HEXANONE	203						100000	0.349999994
DEEP	GW	UG/L	VOA	594-20-7	2,2-DICHLOROPROPANE	20						50	0.25
DEEP	GW	UG/L	VOA	630-20-6	1,1,1,2-TETRACHLOROETHANE	21						50	0.25
DEEP	GW	ug/L	VOA	67-64-1	ACETONE	203	3	1.48%	700	320.4333333	2.299999952	200000	0.850000024
DEEP	GW	ug/L	VOA	67-66-3	CHLOROFORM	223	5	2.24%	3.400000095	2.04000001	1.399999976	12500	0.02
DEEP	GW	ug/L	VOA	71-43-2	BENZENE	248	82	33.06%	218000	28474.60854	1	3550	0.035
DEEP	GW	ug/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	222						12500	0.02
DEEP	GW	ug/L	VOA	74-83-9	BROMOMETHANE	223						25000	0.02
DEEP	GW	ug/L	VOA	74-87-3	CHLOROMETHANE	223						25000	0.039999999
DEEP	GW	UG/L	VOA	74-88-4	IODOMETHANE	1						2.5	2.5
DEEP	GW	UG/L	VOA	74-95-3	1,2-DIBROMOMETHANE	21						50	0.25
DEEP	GW	UG/L	VOA	74-97-5	BROMOCHLOROMETHANE	20						50	0.25
DEEP	GW	ug/L	VOA	75-00-3	CHLOROETHANE	223						25000	0.025
DEEP	GW	ug/L	VOA	75-01-4	VINYL CHLORIDE	223	1	0.45%	1.429999948	1.429999948	1.429999948	25000	0.015
DEEP	GW	UG/L	VOA	75-05-8	ACETONITRILE	1						500	500
DEEP	GW	ug/L	VOA	75-09-2	METHYLENE CHLORIDE	223	18	8.07%	78.90000153	16.46111115	1	12500	0.079999998
DEEP	GW	ug/L	VOA	75-15-0	CARBON DISULFIDE	203	3	1.48%	19	8.573333333	0.219999999	12500	0.354999989
DEEP	GW	ug/L	VOA	75-25-2	BROMOFORM	223						12500	0.25
DEEP	GW	ug/L	VOA	75-27-4	BROMODICHLOROMETHANE	223						12500	0.01
DEEP	GW	ug/L	VOA	75-34-3	1,1-DICHLOROETHANE	223						12500	0.02
DEEP	GW	ug/L	VOA	75-35-4	1,1-DICHLOROETHENE	223						12500	0.02
DEEP	GW	UG/L	VOA	75-69-4	TRICHLOROFLUOROMETHANE	21						50	0.25
DEEP	GW	UG/L	VOA	75-71-8	DICHLORODIFLUOROMETHANE	21						50	0.25
DEEP	GW	UG/L	VOA	78-83-1	ISOBUTANOL	1						2000	2000
DEEP	GW	ug/L	VOA	78-87-5	1,2-DICHLOROPROPANE	223						12500	0.045000002
DEEP	GW	ug/L	VOA	78-93-3	2-BUTANONE	203						100000	0.449999988
DEEP	GW	ug/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	222						12500	0.02
DEEP	GW	ug/L	VOA	79-01-6	TRICHLOROETHENE	223	4	1.79%	5.400000095	3.425000042	1.399999976	12500	0.025
DEEP	GW	ug/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	221						12500	0.029999999
DEEP	GW	UG/L	VOA	80-62-6	METHYL METHACRYLATE	1						2.5	2.5
DEEP	GW	ug/L	VOA	95-47-6	O-XYLENE	102	14	13.73%	5870	943.7642858	1.200000048	25	0.25
DEEP	GW	UG/L	VOA	95-49-8	2-CHLOROTOLUENE	20						50	0.25
DEEP	GW	UG/L	VOA	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	21						50	0.25
DEEP	GW	UG/L	VOA	96-18-4	1,2,3-TRICHLOROPROPANE	21						50	0.25
DEEP	GW	UG/L	VOA	97-63-2	ETHYL METHACRYLATE	1						2.5	2.5
DEEP	GW	UG/L	VTIC	103-65-1	N-PROPYLBENZENE	20						50	0.25
DEEP	GW	UG/L	VTIC	104-51-8	N-BUTYLBENZENE	20						50	0.25
DEEP	GW	UG/L	VTIC	135-98-8	SEC-BUTYLBENZENE	20						50	0.25
DEEP	GW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	125	29	23.20%	236	36.22034484	0.49000001	10000	0.349999994
DEEP	GW	UG/L	VTIC	95-63-6	1,2,4-TRIMETHYLBENZENE	20						50	0.25
DEEP	GW	UG/L	VTIC	98-06-6	TERT-BUTYLBENZENE	20						50	0.25
DEEP	GW	UG/L	VTIC	98-82-8	ISOPROPYLBENZENE	20						50	0.25
DEEP	GW	UG/L	VTIC	99-87-6	P-ISOPROPYLTOLUENE	20						50	0.25
DEEP	GW	ug/l	VTIC	methane	METHANE	91	51	56.04%	350000	8697.862745	10	5000	2.5
DITCHES	SW	ug/L	VOA	100-41-4	ETHYLBENZENE	25	3	12.00%	282	134.5333333	1.600000024	6	0.025
DITCHES	SW	ug/L	VOA	100-42-5	STYRENE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	107-06-2	1,2-DICHLOROETHANE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	108-05-4	VINYL ACETATE	2						25	25
DITCHES	SW	ug/L	VOA	108-10-1	4-METHYL-2-PENTANONE	2						25	25
DITCHES	SW	ug/L	VOA	108-88-3	TOLUENE	25	4	16.00%	130	52.0999999	11.39999962	2.5	0.025
DITCHES	SW	ug/L	VOA	108-90-7	CHLOROBENZENE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	2						2.5	2.5
DITCHES	SW	ug/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	127-18-4	TETRACHLOROETHENE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	1330-20-7	XYLENES (TOTAL)	25	5	20.00%	1050	334.46	1.299999952	2.5	0.035
DITCHES	SW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	2						2.5	2.5

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
DITCHES	SW	ug/L	VOA	56-23-5	CARBON TETRACHLORIDE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	591-78-6	2-HEXANONE	2						25	25
DITCHES	SW	ug/L	VOA	67-64-1	ACETONE	2						50	50
DITCHES	SW	ug/L	VOA	67-66-3	CHLOROFORM	2						2.5	2.5
DITCHES	SW	ug/L	VOA	71-43-2	BENZENE	25	6	24.00%	160	58.98333339	1.799999952	2.5	0.02
DITCHES	SW	ug/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	74-83-9	BROMOMETHANE	2						5	5
DITCHES	SW	ug/L	VOA	74-87-3	CHLOROMETHANE	2						5	5
DITCHES	SW	ug/L	VOA	75-00-3	CHLOROETHANE	2						5	5
DITCHES	SW	ug/L	VOA	75-01-4	VINYL CHLORIDE	2						5	5
DITCHES	SW	ug/L	VOA	75-09-2	METHYLENE CHLORIDE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	75-15-0	CARBON DISULFIDE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	75-25-2	BROMOFORM	2						2.5	2.5
DITCHES	SW	ug/L	VOA	75-27-4	BROMODICHLOROMETHANE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	75-34-3	1,1-DICHLOROETHANE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	75-35-4	1,1-DICHLOROETHENE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	78-87-5	1,2-DICHLOROPROPANE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	78-93-3	2-BUTANONE	2						25	25
DITCHES	SW	ug/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	79-01-6	TRICHLOROETHENE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	2						2.5	2.5
DITCHES	SW	ug/L	VOA	95-47-6	O-XYLENE	8	1	12.50%	262	262	262	0.159999996	0.045000002
DITCHES	SW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	5	2	40.00%	2.400000095	1.950000048	1.5	0.045000002	0.045000002
DITCHES	SW	ug/l	VTIC	methane	METHANE	10	9	90.00%	130	47	10	2.5	2.5
EAST	GW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	51	2	3.92%	43	26.5	10	5	3
EAST	GW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	52	38	73.08%	10800	1668.5	108	15	9.25
EAST	GW	ug/L	DISMET	7439-92-1	LEAD, DISSOLVED	70	2	2.86%	4	3.950000048	3.900000095	2.5	1
EAST	GW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	52	52	100.00%	58600	32107.69231	13400		
EAST	GW	ug/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	70	65	92.86%	4100	1034.129231	15.10000038	17.20000076	0.150000006
EAST	GW	ug/L	DISMET	7439-97-6	MERCURY, DISSOLVED	67						0.100000001	0.028999999
EAST	GW	ug/L	DISMET	7440-02-0	NICKEL, DISSOLVED	70	6	8.57%	90	66.73333359	48	20	0.600000024
EAST	GW	ug/L	DISMET	7440-22-4	SILVER, DISSOLVED	43						0.904999971	0.349999994
EAST	GW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	67	1	1.49%	70	70	70	50	1.700000048
EAST	GW	ug/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	70	10	14.29%	23.10000038	14.41000006	1.700000048	2.5	0.5
EAST	GW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	67	51	76.12%	965	422.8627451	80	0.649999976	0.100000001
EAST	GW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	67						2.5	0.680000007
EAST	GW	ug/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	70						2.5	0.25
EAST	GW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	67						5	0.5
EAST	GW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	52						15	0.560000002
EAST	GW	ug/L	DISMET	7440-50-8	COPPER, DISSOLVED	70	2	2.86%	28.20000076	19.10000038	10	5	0.660000026
EAST	GW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	67						25	0.100000001
EAST	GW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	67	51	76.12%	241	89.75294117	15	6.849999905	6.800000191
EAST	GW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	67	9	13.43%	16	9.111111164	5.300000191	25	2.244999886
EAST	GW	ug/L	GENX	1-00-3	CHLORIDE	72	72	100.00%	301000	52769.44444	17700		
EAST	GW	ug/L	GENX	18496-25-8	SULFIDE	49	15	30.61%	5100	766.1333333	20	445	2.5
EAST	GW	ug/L	GENX	18496-25-8	SULFIDE, TOTAL	4						25	25
EAST	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	69	39	56.52%	770	157.8717949	10	25	2
EAST	GW	ug/L	GENX	25-90-0	NITRATE AS N	72	22	30.56%	1000	538.7727273	66	50	6.25
EAST	GW	ug/L	GENX	3-03-5	SULFATE	70	59	84.29%	150000	33325.42373	6400	92100	1000
EAST	GW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	52	52	100.00%	865000	367980.7692	171000		
EAST	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	70						5000	500
EAST	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	72	72	100.00%	865000	383236.1111	171000		
EAST	GW	ug/L	GENX	7440-09-7	POTASSIUM	60	33	55.00%	9540	2065.878788	516	2500	34.75
EAST	GW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	52	29	55.77%	2380	1366.137931	598	2500	34.75
EAST	GW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	12						2500	2500
EAST	GW	ug/L	GENX	7440-23-5	SODIUM	60	60	100.00%	287000	55235.5	29000		
EAST	GW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	52	52	100.00%	132000	44596.15385	27400		
EAST	GW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	12	12	100.00%	126000	52608.33333	30200		
EAST	GW	ug/L	GENX	7440-70-2	CALCIUM	57	57	100.00%	123000	74361.40351	33300		
EAST	GW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	52	52	100.00%	123000	68480.76923	28600		
EAST	GW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	12	12	100.00%	125000	75683.33333	36900		
EAST	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	29	22	75.86%	490	164.7272727	50	25	10
EAST	GW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	41	17	41.46%	1300	333.8823529	86	145	25
EAST	GW	ug/L	GENX	7727-37-9	NITROGEN, TOTAL	3	1	33.33%	320	320	320	200	10
EAST	GW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	52	11	21.15%	180	106.7272727	52	130	6.25
EAST	GW	ug/L	GENX	NH3 total	AMMONIA AS NH3, TOTAL	15	13	86.67%	330	110.7692308	10	5	5
EAST	GW	ug/L	GENX	nitrite as N	NITRITE AS N	67	8	11.94%	92	35.5	10	25	5
EAST	GW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	40	29	72.50%	3530000	290517.2414	4000	500	500
EAST	GW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	40	40	100.00%	5100000	761475	312000		

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
EAST	GW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	64	10	15.63%	550	391	310	500	140
EAST	GW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	67	38	56.72%	13600	2073.684211	1000	1000	61
EAST	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	70	70	100.00%	1160000	480771.4286	164000		
EAST	GW	UG/L	SVOA	100-01-6	4-NITROANILINE	71						25	0.800000012
EAST	GW	ug/L	SVOA	100-02-7	4-NITROPHENOL	67						25	0.709999979
EAST	GW	UG/L	SVOA	100-51-6	BENZYL ALCOHOL	71						10	0.850000024
EAST	GW	UG/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	71						5	0.221000001
EAST	GW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	67						5	0.675000012
EAST	GW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	67						5	0.340000004
EAST	GW	UG/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	74						5	0.234999999
EAST	GW	UG/L	SVOA	106-47-8	4-CHLOROANILINE	71						5	1
EAST	GW	UG/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	71						5	0.200000003
EAST	GW	ug/L	SVOA	108-95-2	PHENOL	69	1	1.45%	38	38	38	5.5	0.275000006
EAST	GW	ug/L	SVOA	110-86-1	PYRIDINE	67						5	1.850000024
EAST	GW	UG/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	71						5	0.275000006
EAST	GW	UG/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	71						5	0.171499997
EAST	GW	UG/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	71	17	23.94%	44.20000076	17.04117646	10	37.09999847	1.149999976
EAST	GW	UG/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	71						5	0.699999988
EAST	GW	UG/L	SVOA	118-74-1	HEXACHLOROBENZENE	71						5	0.730000019
EAST	GW	UG/L	SVOA	120-12-7	ANTHRACENE	71						5	0.180000007
EAST	GW	UG/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	74						5	0.25
EAST	GW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	67						5	0.254999995
EAST	GW	UG/L	SVOA	121-14-2	2,4-DINITROTOLUENE	71						5	0.550000012
EAST	GW	UG/L	SVOA	129-00-0	PYRENE	71						5	0.370000005
EAST	GW	UG/L	SVOA	131-11-3	DIMETHYLPHTHALATE	71						5	0.215000004
EAST	GW	UG/L	SVOA	132-64-9	DIBENZOFURAN	71						5	0.171499997
EAST	GW	UG/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	71						5	0.25999999
EAST	GW	UG/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	71						5	0.800000012
EAST	GW	UG/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	71						5	0.275000006
EAST	GW	UG/L	SVOA	206-44-0	FLUORANTHENE	71						5	0.405000001
EAST	GW	UG/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	71						5	0.219999999
EAST	GW	UG/L	SVOA	208-96-8	ACENAPHTHYLENE	71						5	0.200000003
EAST	GW	UG/L	SVOA	218-01-9	CHRYSENE	71						5	0.74000001
EAST	GW	UG/L	SVOA	50-32-8	BENZO(A)PYRENE	71						5	0.25
EAST	GW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	67						25	0.680000007
EAST	GW	UG/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	71						5	0.275000006
EAST	GW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	67						25	0.5
EAST	GW	UG/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	74						5	0.25
EAST	GW	UG/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	71						5	0.280000001
EAST	GW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	40						3.049999952	0.899999976
EAST	GW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	67						5	0.36500001
EAST	GW	UG/L	SVOA	606-20-2	2,6-DINITROTOLUENE	71						5	0.379999995
EAST	GW	UG/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	71						5	0.409999996
EAST	GW	UG/L	SVOA	65-85-0	BENZOIC ACID	71	1	1.41%	10.19999981	10.19999981	10.19999981	25	0.600000024
EAST	GW	UG/L	SVOA	67-72-1	HEXACHLOROETHANE	71						5	0.610000014
EAST	GW	UG/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	71						5	0.175999999
EAST	GW	UG/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	71						7	0.25
EAST	GW	UG/L	SVOA	78-59-1	ISOPHORONE	71						5	0.289999992
EAST	GW	UG/L	SVOA	83-32-9	ACENAPHTHENE	71						5	0.5
EAST	GW	UG/L	SVOA	84-66-2	DIETHYLPHTHALATE	71						5	0.425500005
EAST	GW	UG/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	71	1	1.41%	7.099999905	7.099999905	7.099999905	5	0.425000012
EAST	GW	UG/L	SVOA	85-01-8	PHENANTHRENE	71						5	0.5
EAST	GW	UG/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	71						5	0.488000005
EAST	GW	UG/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	71						5	0.5
EAST	GW	UG/L	SVOA	86-73-7	FLUORENE	71						5	0.234999999
EAST	GW	UG/L	SVOA	87-61-6	1,2,3-TRICHLOROBENZENE	3						0.25	0.25
EAST	GW	UG/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	74						5	0.25
EAST	GW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	67						25	0.444999993
EAST	GW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	67						5	0.294999987
EAST	GW	UG/L	SVOA	88-74-4	2-NITROANILINE	71						25	0.453999996
EAST	GW	ug/L	SVOA	88-75-5	2-NITROPHENOL	67						5	0.224999994
EAST	GW	UG/L	SVOA	91-20-3	NAPHTHALENE	78	2	2.56%	18.70000076	10.75000036	2.799999952	5.5	0.25
EAST	GW	UG/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	71	1	1.41%	1.5	1.5	1.5	5	0.324999988
EAST	GW	UG/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	71						5	0.1875
EAST	GW	UG/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	71						10	1.284999967
EAST	GW	UG/L	SVOA	95-13-6	1H-INDENE	4						5.5	5
EAST	GW	UG/L	SVOA	95-48-7	2-METHYLPHENOL	69						5.5	0.275000006
EAST	GW	UG/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	74						5	0.25
EAST	GW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	67						5	0.159999996

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
EAST	GW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	67						5	0.234999999
EAST	GW	UG/L	SVOA	98-95-3	NITROBENZENE	71						5	0.294999987
EAST	GW	UG/L	SVOA	99-09-2	3-NITROANILINE	71						25	0.649999976
EAST	GW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	51	2	3.92%	26	23	20	5	3
EAST	GW	ug/L	TOTMET	7439-89-6	IRON, TOTAL	75	69	92.00%	124000	9037.637681	127	5750	9.25
EAST	GW	ug/L	TOTMET	7439-92-1	LEAD, TOTAL	70	7	10.00%	47.90000153	11.25714316	3.5	5	1
EAST	GW	ug/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	72	72	100.00%	92600	37899.16667	16300		
EAST	GW	ug/L	TOTMET	7439-96-5	MANGANESE, TOTAL	70	69	98.57%	4170	1242.817391	25.20000076	1.455000043	1.455000043
EAST	GW	ug/L	TOTMET	7439-97-6	MERCURY, TOTAL	71						0.100000001	0.0085
EAST	GW	ug/L	TOTMET	7440-02-0	NICKEL, TOTAL	70	7	10.00%	1730	350.6428571	52	20	0.600000024
EAST	GW	ug/L	TOTMET	7440-22-4	SILVER, TOTAL	42	2	4.76%	3	2.5	2	0.904999971	0.349999994
EAST	GW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	67						50	1.700000048
EAST	GW	ug/L	TOTMET	7440-38-2	ARSENIC, TOTAL	70	12	17.14%	34	19.80833324	8	2.5	0.5
EAST	GW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	67	40	59.70%	587	205.95	40	0.649999976	0.100000001
EAST	GW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	67	1	1.49%	5.599999905	5.599999905	5.599999905	2.5	0.680000007
EAST	GW	ug/L	TOTMET	7440-43-9	CADMIUM, TOTAL	70	1	1.43%	3	3	3	2.5	0.25
EAST	GW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	67	15	22.39%	503	107.6999999	10	5	0.5
EAST	GW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	52	2	3.85%	59.40000153	56.70000076	54	15	0.560000002
EAST	GW	ug/L	TOTMET	7440-50-8	COPPER, TOTAL	70	12	17.14%	259	77.84166686	20	15	0.660000026
EAST	GW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	67	8	11.94%	362	137.5749998	11	25	0.100000001
EAST	GW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	67	23	34.33%	204	49.20434778	10	6.849999905	5
EAST	GW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	67	6	8.96%	16.70000076	11.93333371	5.300000191	2.5	2.244999886
EAST	GW	UG/L	VOA	100-41-4	ETHYLBENZENE	80	1	1.25%	120	120	120	2.5	0.02
EAST	GW	UG/L	VOA	100-42-5	STYRENE	76						2.5	0.015
EAST	GW	UG/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	76						2.5	0.02
EAST	GW	UG/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	76						2.5	0.015
EAST	GW	UG/L	VOA	106-43-4	4-CHLOROTOLUENE	3						0.25	0.25
EAST	GW	UG/L	VOA	106-93-4	1,2-DIBROMOETHANE	3						0.25	0.25
EAST	GW	UG/L	VOA	107-06-2	1,2-DICHLOROETHANE	76	3	3.95%	8.699999809	3.666666627	1.100000024	2.5	0.02
EAST	GW	UG/L	VOA	108-05-4	VINYL ACETATE	73						25	0.699999988
EAST	GW	UG/L	VOA	108-10-1	4-METHYL-2-PENTANONE	73						25	0.550000012
EAST	GW	UG/L	VOA	108-67-8	1,3,5-TRIMETHYLBENZENE	3						0.25	0.25
EAST	GW	UG/L	VOA	108-86-1	BROMOBENZENE	3						0.25	0.25
EAST	GW	UG/L	VOA	108-88-3	TOLUENE	80						2.5	0.01
EAST	GW	UG/L	VOA	108-90-7	CHLOROBENZENE	76						2.5	0.02
EAST	GW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	67						2.5	0.625
EAST	GW	UG/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	76						2.5	0.02
EAST	GW	UG/L	VOA	127-18-4	TETRACHLOROETHENE	76						2.5	0.035
EAST	GW	UG/L	VOA	1330-20-7	XYLENES (TOTAL)	80	6	7.50%	360	102.6158333	0.094999999	2.5	0.25
EAST	GW	UG/L	VOA	142-28-9	1,3-DICHLOROPROPANE	3						0.25	0.25
EAST	GW	UG/L	VOA	156-59-2	CIS-1,2-DICHLOROETHENE	3						0.25	0.25
EAST	GW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	70						2.5	0.025
EAST	GW	UG/L	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	6						2.5	2.5
EAST	GW	UG/L	VOA	56-23-5	CARBON TETRACHLORIDE	76						2.5	0.035
EAST	GW	UG/L	VOA	563-58-6	1,1-DICHLOROPROPENE	3						0.25	0.25
EAST	GW	UG/L	VOA	591-78-6	2-HEXANONE	73						25	0.349999994
EAST	GW	UG/L	VOA	594-20-7	2,2-DICHLOROPROPANE	3						0.25	0.25
EAST	GW	UG/L	VOA	630-20-6	1,1,1,2-TETRACHLOROETHANE	3						0.25	0.25
EAST	GW	UG/L	VOA	67-64-1	ACETONE	73	4	5.48%	26.60000038	15.40000033	4.300000191	50	0.850000024
EAST	GW	UG/L	VOA	67-66-3	CHLOROFORM	76	2	2.63%	3.5	2.799999952	2.099999905	2.5	0.02
EAST	GW	UG/L	VOA	71-43-2	BENZENE	80	8	10.00%	1800	227.544	0.052000001	2.5	0.0305
EAST	GW	UG/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	76						2.5	0.02
EAST	GW	UG/L	VOA	74-83-9	BROMOMETHANE	76						5	0.02
EAST	GW	UG/L	VOA	74-87-3	CHLOROMETHANE	76						5	0.039999999
EAST	GW	UG/L	VOA	74-95-3	1,2-DIBROMOMETHANE	3						0.25	0.25
EAST	GW	UG/L	VOA	74-97-5	BROMOCHLOROMETHANE	3						0.25	0.25
EAST	GW	UG/L	VOA	75-00-3	CHLOROETHANE	76						5	0.025
EAST	GW	UG/L	VOA	75-01-4	VINYL CHLORIDE	76						5	0.015
EAST	GW	UG/L	VOA	75-09-2	METHYLENE CHLORIDE	76	9	11.84%	34	9.811111026	1.600000024	27.79999924	0.079999998
EAST	GW	UG/L	VOA	75-15-0	CARBON DISULFIDE	73						2.5	0.354999989
EAST	GW	UG/L	VOA	75-25-2	BROMOFORM	76						2.5	0.25
EAST	GW	UG/L	VOA	75-27-4	BROMODICHLOROMETHANE	76						2.5	0.01
EAST	GW	UG/L	VOA	75-34-3	1,1-DICHLOROETHANE	76						2.5	0.02
EAST	GW	UG/L	VOA	75-35-4	1,1-DICHLOROETHENE	76						2.5	0.02
EAST	GW	UG/L	VOA	75-69-4	TRICHLOROFLUOROMETHANE	3						0.25	0.25
EAST	GW	UG/L	VOA	75-71-8	DICHLORODIFLUOROMETHANE	3						0.25	0.25
EAST	GW	UG/L	VOA	78-87-5	1,2-DICHLOROPROPANE	76						2.5	0.045000002
EAST	GW	UG/L	VOA	78-93-3	2-BUTANONE	73	1	1.37%	7.800000191	7.800000191	7.800000191	25	0.449999988
EAST	GW	UG/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	76						2.5	0.02

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
EAST	GW	UG/L	VOA	79-01-6	TRICHLOROETHENE	76						2.5	0.025
EAST	GW	UG/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	76						2.5	0.029999999
EAST	GW	ug/L	VOA	95-47-6	O-XYLENE	43						0.550000012	0.25
EAST	GW	UG/L	VOA	95-49-8	2-CHLOROTOLUENE	3						0.25	0.25
EAST	GW	UG/L	VOA	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	3						0.25	0.25
EAST	GW	UG/L	VOA	96-18-4	1,2,3-TRICHLOROPROPANE	3						0.25	0.25
EAST	GW	UG/L	VTIC	103-65-1	N-PROPYLBENZENE	3						0.25	0.25
EAST	GW	UG/L	VTIC	104-51-8	N-BUTYLBENZENE	3						0.25	0.25
EAST	GW	UG/L	VTIC	135-98-8	SEC-BUTYLBENZENE	3						0.25	0.25
EAST	GW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	52	11	21.15%	21.10000038	7.790909149	1.399999976	2.5	0.349999994
EAST	GW	UG/L	VTIC	95-63-6	1,2,4-TRIMETHYLBENZENE	3						0.25	0.25
EAST	GW	UG/L	VTIC	98-06-6	TERT-BUTYLBENZENE	3						0.25	0.25
EAST	GW	UG/L	VTIC	98-82-8	ISOPROPYLBENZENE	3						0.25	0.25
EAST	GW	UG/L	VTIC	99-87-6	P-ISOPROPYLTOLUENE	3						0.25	0.25
EAST	GW	ug/l	VTIC	methane	METHANE	39	14	35.90%	2100	376	10	5000	2.5
EAST	SB	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	2	1	50.00%	10500000	10500000	10500000	3010000	3010000
EAST	SB	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	2	1	50.00%	171	171	171	115.5	115.5
EAST	SB	ug/Kg	METALS	7439-92-1	LEAD	2	2	100.00%	2240	2000	1760		
EAST	SB	ug/Kg	METALS	7439-97-6	MERCURY	2						12	11
EAST	SB	ug/Kg	METALS	7440-22-4	SILVER	2						555	540
EAST	SB	ug/Kg	METALS	7440-38-2	ARSENIC	2	2	100.00%	1830	1284.5	739		
EAST	SB	ug/Kg	METALS	7440-39-3	BARIUM	2	2	100.00%	154000	140500	127000		
EAST	SB	ug/Kg	METALS	7440-43-9	CADMIUM	2						450	437.5
EAST	SB	ug/Kg	METALS	7440-47-3	CHROMIUM	2	2	100.00%	21200	17900	14600		
EAST	SB	ug/Kg	METALS	7782-49-2	SELENIUM	2						234.5	231.5
EAST	SB	UG/KG	SVOA	100-01-6	4-NITROANILINE	5						105	95
EAST	SB	UG/KG	SVOA	100-51-6	BENZYL ALCOHOL	5						95	85
EAST	SB	UG/KG	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	5						95	85
EAST	SB	UG/KG	SVOA	106-46-7	1,4-DICHLOROBENZENE	5						55	48
EAST	SB	UG/KG	SVOA	106-47-8	4-CHLOROANILINE	5						200	180
EAST	SB	UG/KG	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5						55	48
EAST	SB	UG/KG	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	5						55	48
EAST	SB	UG/KG	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5						55	48
EAST	SB	UG/KG	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	5	100.00%	2300	1216	610		
EAST	SB	UG/KG	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	5						95	85
EAST	SB	UG/KG	SVOA	118-74-1	HEXACHLOROBENZENE	5						65	60
EAST	SB	UG/KG	SVOA	120-12-7	ANTHRACENE	5						55	48
EAST	SB	UG/KG	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	5						65	60
EAST	SB	UG/KG	SVOA	121-14-2	2,4-DINITROTOLUENE	5						95	85
EAST	SB	UG/KG	SVOA	129-00-0	PYRENE	5						55	48
EAST	SB	UG/KG	SVOA	131-11-3	DIMETHYLPHTHALATE	5						55	48
EAST	SB	UG/KG	SVOA	132-64-9	DIBENZOFURAN	5						80	70
EAST	SB	UG/KG	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	5						105	95
EAST	SB	UG/KG	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	5						105	95
EAST	SB	UG/KG	SVOA	205-99-2	BENZO(B)FLUORANTHENE	5						65	60
EAST	SB	UG/KG	SVOA	206-44-0	FLUORANTHENE	5						55	48
EAST	SB	UG/KG	SVOA	207-08-9	BENZO(K)FLUORANTHENE	5						65	60
EAST	SB	UG/KG	SVOA	208-96-8	ACENAPHTHYLENE	5						55	48
EAST	SB	UG/KG	SVOA	218-01-9	CHRYSENE	5						65	60
EAST	SB	UG/KG	SVOA	50-32-8	BENZO(A)PYRENE	5						95	85
EAST	SB	UG/KG	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	5						105	95
EAST	SB	UG/KG	SVOA	541-73-1	1,3-DICHLOROBENZENE	5						55	48
EAST	SB	UG/KG	SVOA	56-55-3	BENZO(A)ANTHRACENE	5						65	60
EAST	SB	UG/KG	SVOA	606-20-2	2,6-DINITROTOLUENE	5						95	85
EAST	SB	UG/KG	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	5						65	60
EAST	SB	UG/KG	SVOA	65-85-0	BENZOIC ACID	5						550	500
EAST	SB	UG/KG	SVOA	67-72-1	HEXACHLOROETHANE	5						65	60
EAST	SB	UG/KG	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	5						65	60
EAST	SB	UG/KG	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	5						650	600
EAST	SB	UG/KG	SVOA	78-59-1	ISOPHORONE	5						55	48
EAST	SB	UG/KG	SVOA	83-32-9	ACENAPHTHENE	5						55	48
EAST	SB	UG/KG	SVOA	84-66-2	DIETHYLPHTHALATE	5						55	48
EAST	SB	UG/KG	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	5						55	48
EAST	SB	UG/KG	SVOA	85-01-8	PHENANTHRENE	5						55	48
EAST	SB	UG/KG	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	5						65	60
EAST	SB	UG/KG	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	5						55	48
EAST	SB	UG/KG	SVOA	86-73-7	FLUORENE	5						55	48
EAST	SB	UG/KG	SVOA	87-68-3	HEXACHLOROBUTADIENE	5						95	85
EAST	SB	UG/KG	SVOA	88-74-4	2-NITROANILINE	5						105	95

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
EAST	SB	UG/KG	SVOA	91-20-3	NAPHTHALENE	5						55	48
EAST	SB	UG/KG	SVOA	91-57-6	2-METHYLNAPHTHALENE	5						65	60
EAST	SB	UG/KG	SVOA	91-58-7	2-CHLORONAPHTHALENE	5						55	48
EAST	SB	UG/KG	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	5						335	300
EAST	SB	UG/KG	SVOA	95-50-1	1,2-DICHLOROBENZENE	5						55	48
EAST	SB	UG/KG	SVOA	98-95-3	NITROBENZENE	5						55	48
EAST	SB	UG/KG	SVOA	99-09-2	3-NITROANILINE	5						200	180
EAST	SB	UG/KG	VOA	100-41-4	ETHYLBENZENE	5						3.349999905	3
EAST	SB	UG/KG	VOA	100-42-5	STYRENE	5						3.349999905	3
EAST	SB	UG/KG	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	5						3.349999905	3
EAST	SB	UG/KG	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5						3.349999905	3
EAST	SB	UG/KG	VOA	107-06-2	1,2-DICHLOROETHANE	5						3.349999905	3
EAST	SB	UG/KG	VOA	108-05-4	VINYL ACETATE	5						3.349999905	3
EAST	SB	UG/KG	VOA	108-10-1	4-METHYL-2-PENTANONE	5						6.5	6
EAST	SB	UG/KG	VOA	108-88-3	TOLUENE	5						3.349999905	3
EAST	SB	UG/KG	VOA	108-90-7	CHLOROBENZENE	5						3.349999905	3
EAST	SB	UG/KG	VOA	124-48-1	DIBROMOCHLOROMETHANE	5						3.349999905	3
EAST	SB	UG/KG	VOA	127-18-4	TETRACHLOROETHENE	5						3.349999905	3
EAST	SB	UG/KG	VOA	1330-20-7	XYLENES (TOTAL)	5						3.349999905	3
EAST	SB	UG/KG	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	5						3.349999905	3
EAST	SB	UG/KG	VOA	56-23-5	CARBON TETRACHLORIDE	5						3.349999905	3
EAST	SB	UG/KG	VOA	591-78-6	2-HEXANONE	5						6.5	6
EAST	SB	UG/KG	VOA	67-64-1	ACETONE	5	3	60.00%	82	52	24	6	6
EAST	SB	UG/KG	VOA	67-66-3	CHLOROFORM	5						3.349999905	3
EAST	SB	UG/KG	VOA	71-43-2	BENZENE	5						3.349999905	3
EAST	SB	UG/KG	VOA	71-55-6	1,1,1-TRICHLOROETHANE	5						3.349999905	3
EAST	SB	UG/KG	VOA	74-83-9	BROMOMETHANE	5						3.349999905	3
EAST	SB	UG/KG	VOA	74-87-3	CHLOROMETHANE	5						3.349999905	3
EAST	SB	UG/KG	VOA	75-00-3	CHLOROETHANE	5						3.349999905	3
EAST	SB	UG/KG	VOA	75-01-4	VINYL CHLORIDE	5						3.349999905	3
EAST	SB	UG/KG	VOA	75-09-2	METHYLENE CHLORIDE	5						3.349999905	3
EAST	SB	UG/KG	VOA	75-15-0	CARBON DISULFIDE	5						3.349999905	3
EAST	SB	UG/KG	VOA	75-25-2	BROMOFORM	5						3.349999905	3
EAST	SB	UG/KG	VOA	75-27-4	BROMODICHLOROMETHANE	5						3.349999905	3
EAST	SB	UG/KG	VOA	75-34-3	1,1-DICHLOROETHANE	5						3.349999905	3
EAST	SB	UG/KG	VOA	75-35-4	1,1-DICHLOROETHENE	5						3.349999905	3
EAST	SB	UG/KG	VOA	78-87-5	1,2-DICHLOROPROPANE	5						3.349999905	3
EAST	SB	UG/KG	VOA	78-93-3	2-BUTANONE	5						6.5	6
EAST	SB	UG/KG	VOA	79-00-5	1,1,2-TRICHLOROETHANE	5						3.349999905	3
EAST	SB	UG/KG	VOA	79-01-6	TRICHLOROETHENE	5						3.349999905	3
EAST	SB	UG/KG	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	5						3.349999905	3
HOLDING POND	SD	ug/Kg	GENX	57-12-5	CYANIDE	6						125	125
HOLDING POND	SD	ug/Kg	GENX	7440-09-7	POTASSIUM	6	4	66.67%	299000	275500	250000	1510	1475
HOLDING POND	SD	ug/Kg	GENX	7440-23-5	SODIUM	6	2	33.33%	274000	233500	193000	1060	860
HOLDING POND	SD	ug/Kg	GENX	7440-70-2	CALCIUM	6	6	100.00%	39900000	19906666.67	9140000		
HOLDING POND	SD	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	6	4	66.67%	36000	20325	11500	1250	1250
HOLDING POND	SD	ug/Kg	METALS	7439-89-6	IRON	6	6	100.00%	20200000	14460000	8960000		
HOLDING POND	SD	ug/Kg	METALS	7439-92-1	LEAD	6	6	100.00%	27900	13366.66667	2700		
HOLDING POND	SD	ug/Kg	METALS	7439-95-4	MAGNESIUM	6	6	100.00%	7360000	5036666.667	3090000		
HOLDING POND	SD	ug/Kg	METALS	7439-96-5	MANGANESE	6	6	100.00%	495000	367333.3333	286000		
HOLDING POND	SD	ug/Kg	METALS	7439-97-6	MERCURY	6	6	100.00%	340	141.1666667	44		
HOLDING POND	SD	ug/Kg	METALS	7440-02-0	NICKEL	6	6	100.00%	217000	123750	31000		
HOLDING POND	SD	ug/Kg	METALS	7440-22-4	SILVER	6						17.14999962	11.60000038
HOLDING POND	SD	ug/Kg	METALS	7440-36-0	ANTIMONY	6						83.5	56.5
HOLDING POND	SD	ug/Kg	METALS	7440-38-2	ARSENIC	6	4	66.67%	2000	1212.5	670	67.5	65.5
HOLDING POND	SD	ug/Kg	METALS	7440-39-3	BARIUM	6	6	100.00%	70400	51716.66667	38000		
HOLDING POND	SD	ug/Kg	METALS	7440-41-7	BERYLLIUM	6						115	78
HOLDING POND	SD	ug/Kg	METALS	7440-43-9	CADMIUM	6	6	100.00%	1700	1083.333333	560		
HOLDING POND	SD	ug/Kg	METALS	7440-47-3	CHROMIUM	6	6	100.00%	866000	334250	74100		
HOLDING POND	SD	ug/Kg	METALS	7440-48-4	COBALT	6	6	100.00%	11500	8950	6600		
HOLDING POND	SD	ug/Kg	METALS	7440-50-8	COPPER	6	6	100.00%	51600	41366.66667	33600		
HOLDING POND	SD	ug/Kg	METALS	7440-62-2	VANADIUM	6	6	100.00%	399000	283666.6667	120000		
HOLDING POND	SD	ug/Kg	METALS	7440-66-6	ZINC	6	6	100.00%	1010000	587833.3333	125000		
HOLDING POND	SD	ug/Kg	METALS	7782-49-2	SELENIUM	6	1	16.67%	460	460	460	110.5	74.5
HOLDING POND	SD	ug/kg	PCB	11096-82-5	AROCLOR-1260	6						50.09999847	5.010000229
HOLDING POND	SD	ug/kg	PCB	11097-69-1	AROCLOR-1254	6						41.625	4.162499905
HOLDING POND	SD	ug/kg	PCB	11104-28-2	AROCLOR-1221	6						41.625	4.162499905
HOLDING POND	SD	ug/kg	PCB	11141-16-5	AROCLOR-1232	6						41.625	4.162499905
HOLDING POND	SD	ug/kg	PCB	12672-29-6	AROCLOR-1248	6						41.625	4.162499905

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
HOLDING POND	SD	ug/kg	PCB	12674-11-2	AROCLOR-1016	6						34.29999924	3.430000067
HOLDING POND	SD	ug/kg	PCB	53469-21-9	AROCLOR-1242	6						41.625	4.162499905
HOLDING POND	SD	ug/kg	SVOA	100-01-6	4-NITROANILINE	6						46.5	46.5
HOLDING POND	SD	ug/kg	SVOA	100-02-7	4-NITROPHENOL	6						44.54999924	44.54999924
HOLDING POND	SD	ug/kg	SVOA	100-51-6	BENZYL ALCOHOL	6						38.29999924	38.29999924
HOLDING POND	SD	ug/kg	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	6						35.09999847	35.09999847
HOLDING POND	SD	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	6						84.34999847	84.34999847
HOLDING POND	SD	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	6						34.54999924	34.54999924
HOLDING POND	SD	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	6						34.75	34.75
HOLDING POND	SD	ug/kg	SVOA	106-47-8	4-CHLOROANILINE	6						36.59999847	36.59999847
HOLDING POND	SD	ug/kg	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	6						33.79999924	33.79999924
HOLDING POND	SD	ug/kg	SVOA	108-95-2	PHENOL	6						37.25	37.25
HOLDING POND	SD	ug/kg	SVOA	110-86-1	PYRIDINE	6						41.625	41.625
HOLDING POND	SD	ug/kg	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	6						36.45000076	36.45000076
HOLDING POND	SD	ug/kg	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	6						37.20000076	37.20000076
HOLDING POND	SD	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	6	1	16.67%	324	324	324	94.69999695	94.69999695
HOLDING POND	SD	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	6						44.15000153	44.15000153
HOLDING POND	SD	ug/kg	SVOA	118-74-1	HEXACHLOROBENZENE	6						36.20000076	36.20000076
HOLDING POND	SD	ug/kg	SVOA	120-12-7	ANTHRACENE	6						35.5	35.5
HOLDING POND	SD	ug/kg	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	6						39.40000153	39.40000153
HOLDING POND	SD	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	6						39.34999847	39.34999847
HOLDING POND	SD	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	6						46.04999924	46.04999924
HOLDING POND	SD	ug/kg	SVOA	129-00-0	PYRENE	6	2	33.33%	136	115.9500008	95.90000153	39.65000153	39.65000153
HOLDING POND	SD	ug/kg	SVOA	131-11-3	DIMETHYLPHTHALATE	6						41.25	41.25
HOLDING POND	SD	ug/kg	SVOA	132-64-9	DIBENZOFURAN	6						37.70000076	37.70000076
HOLDING POND	SD	ug/kg	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	6	5	83.33%	450	238.2600006	79.30000305	38.84999847	38.84999847
HOLDING POND	SD	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	6	2	33.33%	99.19999695	90.39999771	81.59999847	37.84999847	37.84999847
HOLDING POND	SD	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	6	4	66.67%	323	256.75	153	41.54999924	41.54999924
HOLDING POND	SD	ug/kg	SVOA	206-44-0	FLUORANTHENE	6						41.54999924	41.54999924
HOLDING POND	SD	ug/kg	SVOA	207-08-9	BENZO(K)FLUORANTHENE	6						37.65000153	37.65000153
HOLDING POND	SD	ug/kg	SVOA	208-96-8	ACENAPHTHYLENE	6						36.65000153	36.65000153
HOLDING POND	SD	ug/kg	SVOA	218-01-9	CHRYSENE	6	4	66.67%	373	285	205	36.5	36.5
HOLDING POND	SD	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	6	4	66.67%	318	231.5	137	36.79999924	36.79999924
HOLDING POND	SD	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	6						31.85000038	31.85000038
HOLDING POND	SD	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	6						37.45000076	37.45000076
HOLDING POND	SD	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	6						29.45000076	29.45000076
HOLDING POND	SD	ug/kg	SVOA	541-73-1	1,3-DICHLOROBENZENE	6						35.59999847	35.59999847
HOLDING POND	SD	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	6						35.29999924	35.29999924
HOLDING POND	SD	ug/kg	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	6						41.625	41.625
HOLDING POND	SD	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	6						41.25	41.25
HOLDING POND	SD	ug/kg	SVOA	606-20-2	2,6-DINITROTOLUENE	6						43.75	43.75
HOLDING POND	SD	ug/kg	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	6						36	36
HOLDING POND	SD	ug/kg	SVOA	65-85-0	BENZOIC ACID	6						61.09999847	61.09999847
HOLDING POND	SD	ug/kg	SVOA	67-72-1	HEXACHLOROETHANE	6						33.40000153	33.40000153
HOLDING POND	SD	ug/kg	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	6						40.95000076	40.95000076
HOLDING POND	SD	ug/kg	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	6						26.39999962	26.39999962
HOLDING POND	SD	ug/kg	SVOA	78-59-1	ISOPHORONE	6						42.34999847	42.34999847
HOLDING POND	SD	ug/kg	SVOA	83-32-9	ACENAPHTHENE	6						37.25	37.25
HOLDING POND	SD	ug/kg	SVOA	84-66-2	DIETHYLPHTHALATE	6						49.40000153	49.40000153
HOLDING POND	SD	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	6						40.59999847	40.59999847
HOLDING POND	SD	ug/kg	SVOA	85-01-8	PHENANTHRENE	6	2	33.33%	675	587.5	500	33.45000076	33.45000076
HOLDING POND	SD	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	6						40.70000076	40.70000076
HOLDING POND	SD	ug/kg	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	6						29.85000038	29.85000038
HOLDING POND	SD	ug/kg	SVOA	86-73-7	FLUORENE	6	3	50.00%	783	531	120	43.25	43.25
HOLDING POND	SD	ug/kg	SVOA	87-68-3	HEXACHLOROBUTADIENE	6						40.75	40.75
HOLDING POND	SD	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	6						35.15000153	35.15000153
HOLDING POND	SD	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	6						37.09999847	37.09999847
HOLDING POND	SD	ug/kg	SVOA	88-74-4	2-NITROANILINE	6						37.54999924	37.54999924
HOLDING POND	SD	ug/kg	SVOA	88-75-5	2-NITROPHENOL	6						36.79999924	36.79999924
HOLDING POND	SD	ug/kg	SVOA	91-20-3	NAPHTHALENE	6						38.34999847	38.34999847
HOLDING POND	SD	ug/kg	SVOA	91-57-6	2-METHYLNAPHTHALENE	6						40.29999924	40.29999924
HOLDING POND	SD	ug/kg	SVOA	91-58-7	2-CHLORONAPHTHALENE	6						35.75	35.75
HOLDING POND	SD	ug/kg	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	6						26.45000076	26.45000076
HOLDING POND	SD	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	6						37.20000076	37.20000076
HOLDING POND	SD	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	6						35.59999847	35.59999847
HOLDING POND	SD	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	6						37.90000153	37.90000153
HOLDING POND	SD	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	6						39	39
HOLDING POND	SD	ug/kg	SVOA	98-95-3	NITROBENZENE	6						38.84999847	38.84999847
HOLDING POND	SD	ug/kg	SVOA	99-09-2	3-NITROANILINE	6						39.04999924	39.04999924

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
HOLDING POND	SD	ug/kg	VOA	100-41-4	ETHYLBENZENE	6						1.917500019	0.38350001
HOLDING POND	SD	ug/kg	VOA	100-42-5	STYRENE	6						1.754999995	0.351000011
HOLDING POND	SD	ug/kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	6						2.32249999	0.46450001
HOLDING POND	SD	ug/kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	6						2.217499971	0.443500012
HOLDING POND	SD	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	6						1.94749999	0.389499992
HOLDING POND	SD	ug/kg	VOA	108-05-4	VINYL ACETATE	6	1	16.67%	1.399999976	1.399999976	1.399999976	6.25	1.25
HOLDING POND	SD	ug/kg	VOA	108-10-1	4-METHYL-2-PENTANONE	6						2.535000086	0.507000029
HOLDING POND	SD	ug/kg	VOA	108-88-3	TOLUENE	6						2.357500076	0.471500009
HOLDING POND	SD	ug/kg	VOA	108-90-7	CHLOROBENZENE	6						1.742499948	0.348500013
HOLDING POND	SD	ug/kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	6						3.125	0.625
HOLDING POND	SD	ug/kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	6						1.817499995	0.363499999
HOLDING POND	SD	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	6						3.267499924	0.653500021
HOLDING POND	SD	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	6	2	33.33%	6	4.75	3.5	3.555000067	3.555000067
HOLDING POND	SD	ug/kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	6						2.167500019	0.433499992
HOLDING POND	SD	ug/kg	VOA	56-23-5	CARBON TETRACHLORIDE	6						1.860000014	0.372000009
HOLDING POND	SD	ug/kg	VOA	591-78-6	2-HEXANONE	6						1.789999962	0.35800001
HOLDING POND	SD	ug/kg	VOA	67-64-1	ACETONE	6	5	83.33%	894	298.7999992	48.79999924	6.75	6.75
HOLDING POND	SD	ug/kg	VOA	67-66-3	CHLOROFORM	6						1.972499967	0.394499987
HOLDING POND	SD	ug/kg	VOA	71-43-2	BENZENE	6						2.345000029	0.469000012
HOLDING POND	SD	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	6						1.622499943	0.324499995
HOLDING POND	SD	ug/kg	VOA	74-83-9	BROMOMETHANE	6						1.762500048	0.352499992
HOLDING POND	SD	ug/kg	VOA	74-87-3	CHLOROMETHANE	6						1.799999952	0.360000014
HOLDING POND	SD	ug/kg	VOA	75-00-3	CHLOROETHANE	6						2.247499943	0.449499995
HOLDING POND	SD	ug/kg	VOA	75-01-4	VINYL CHLORIDE	6						1.674999952	0.335000008
HOLDING POND	SD	ug/kg	VOA	75-09-2	METHYLENE CHLORIDE	6						25	5
HOLDING POND	SD	ug/kg	VOA	75-15-0	CARBON DISULFIDE	6	6	100.00%	80.90000153	24.53333382	2.299999952		
HOLDING POND	SD	ug/kg	VOA	75-25-2	BROMOFORM	6						1.662500024	0.332500011
HOLDING POND	SD	ug/kg	VOA	75-27-4	BROMODICHLOROMETHANE	6						2.182499886	0.436500013
HOLDING POND	SD	ug/kg	VOA	75-34-3	1,1-DICHLOROETHANE	6						1.784999967	0.356999993
HOLDING POND	SD	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	6						1.88499999	0.377000004
HOLDING POND	SD	ug/kg	VOA	78-87-5	1,2-DICHLOROPROPANE	6						2.875	0.574999988
HOLDING POND	SD	ug/kg	VOA	78-93-3	2-BUTANONE	6	2	33.33%	18.20000076	12.80000043	7.400000095	2.67750001	2.67750001
HOLDING POND	SD	ug/kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	6						2.440000057	0.488000005
HOLDING POND	SD	ug/kg	VOA	79-01-6	TRICHLOROETHENE	6						2.387500048	0.477499992
HOLDING POND	SD	ug/kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	6						2.630000114	0.526000023
HOLDING POND	SD	ug/kg	VOA	95-47-6	O-XYLENE	6	2	33.33%	2.400000095	2.150000036	1.899999976	1.705000043	1.705000043
HOLDING POND	SD	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	6						2.125	0.425000012
HOLDING POND	SW	ug/l	DISMET	7439-89-6	IRON, DISSOLVED	3						9.25	9.25
HOLDING POND	SW	ug/l	DISMET	7439-92-1	LEAD, DISSOLVED	3						1.100000024	1.100000024
HOLDING POND	SW	ug/l	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	3	3	100.00%	7750	7693.333333	7650		
HOLDING POND	SW	ug/l	DISMET	7439-96-5	MANGANESE, DISSOLVED	3						0.150000006	0.150000006
HOLDING POND	SW	ug/l	DISMET	7439-97-6	MERCURY, DISSOLVED	3						0.028999999	0.028999999
HOLDING POND	SW	ug/l	DISMET	7440-02-0	NICKEL, DISSOLVED	3						0.600000024	0.600000024
HOLDING POND	SW	ug/l	DISMET	7440-22-4	SILVER, DISSOLVED	3						0.349999994	0.349999994
HOLDING POND	SW	ug/l	DISMET	7440-36-0	ANTIMONY, DISSOLVED	3						1.700000048	1.700000048
HOLDING POND	SW	ug/l	DISMET	7440-38-2	ARSENIC, DISSOLVED	3						1.549999952	1.549999952
HOLDING POND	SW	ug/l	DISMET	7440-39-3	BARIUM, DISSOLVED	3	3	100.00%	537	463.3333333	335		
HOLDING POND	SW	ug/l	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	3						2.349999905	2.349999905
HOLDING POND	SW	ug/l	DISMET	7440-43-9	CADMIUM, DISSOLVED	3						0.25	0.25
HOLDING POND	SW	ug/l	DISMET	7440-47-3	CHROMIUM, DISSOLVED	3						0.5	0.5
HOLDING POND	SW	ug/l	DISMET	7440-48-4	COBALT, DISSOLVED	3						0.899999976	0.899999976
HOLDING POND	SW	ug/l	DISMET	7440-50-8	COPPER, DISSOLVED	3						1.149999976	1.149999976
HOLDING POND	SW	ug/l	DISMET	7440-62-2	VANADIUM, DISSOLVED	3	3	100.00%	186	183.6666667	182		
HOLDING POND	SW	ug/l	DISMET	7440-66-6	ZINC, DISSOLVED	3	3	100.00%	59.09999847	56.03333282	52		
HOLDING POND	SW	ug/l	DISMET	7782-49-2	SELENIUM, DISSOLVED	3						2.25	2.25
HOLDING POND	SW	ug/L	GENX	1-00-3	CHLORIDE	3	3	100.00%	22600	9166.666667	2400		
HOLDING POND	SW	ug/L	GENX	18496-25-8	SULFIDE	3	3	100.00%	92	55	27		
HOLDING POND	SW	ug/L	GENX	25-90-0	NITRATE AS N	3	1	33.33%	280	280	280	6.25	6.25
HOLDING POND	SW	ug/L	GENX	3-03-5	SULFATE	3	3	100.00%	47000	46200	44800		
HOLDING POND	SW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	3	3	100.00%	96600	95433.33333	94300		
HOLDING POND	SW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	3						1250	1250
HOLDING POND	SW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	3	3	100.00%	96600	95433.33333	94300		
HOLDING POND	SW	ug/l	GENX	7440-09-7	POTASSIUM	3	3	100.00%	3220	2746.666667	2370		
HOLDING POND	SW	ug/l	GENX	7440-09-7	POTASSIUM, DISSOLVED	3	3	100.00%	1750	1650	1540		
HOLDING POND	SW	ug/l	GENX	7440-23-5	SODIUM	3	3	100.00%	24500	23533.33333	22400		
HOLDING POND	SW	ug/l	GENX	7440-23-5	SODIUM, DISSOLVED	3	3	100.00%	24100	23866.66667	23600		
HOLDING POND	SW	ug/l	GENX	7440-70-2	CALCIUM	3	3	100.00%	46000	42700	39500		
HOLDING POND	SW	ug/l	GENX	7440-70-2	CALCIUM, DISSOLVED	3	3	100.00%	36400	35766.66667	35100		
HOLDING POND	SW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	3	3	100.00%	470	433.3333333	400		

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
HOLDING POND	SW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	3						6.25	6.25
HOLDING POND	SW	ug/L	GENX	nitrite as N	NITRITE AS N	3						6.25	6.25
HOLDING POND	SW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	3	3	100.00%	33000	19666.66667	7000		
HOLDING POND	SW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	3	3	100.00%	248000	244000	240000		
HOLDING POND	SW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	3	3	100.00%	2400	1533.333333	1000		
HOLDING POND	SW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	3	3	100.00%	5200	4666.666667	4300		
HOLDING POND	SW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	3	3	100.00%	224000	212000	204000		
HOLDING POND	SW	ug/l	PCB	11096-82-5	AROCLOR-1260	3						0.108499996	0.108499996
HOLDING POND	SW	ug/l	PCB	11097-69-1	AROCLOR-1254	3						0.055500001	0.055500001
HOLDING POND	SW	ug/l	PCB	11104-28-2	AROCLOR-1221	3						0.092	0.092
HOLDING POND	SW	ug/l	PCB	11141-16-5	AROCLOR-1232	3						0.082999997	0.082999997
HOLDING POND	SW	ug/l	PCB	12672-29-6	AROCLOR-1248	3						0.138500005	0.138500005
HOLDING POND	SW	ug/l	PCB	12674-11-2	AROCLOR-1016	3						0.123499997	0.123499997
HOLDING POND	SW	ug/l	PCB	53469-21-9	AROCLOR-1242	3						0.186000004	0.186000004
HOLDING POND	SW	ug/l	SVOA	100-01-6	4-NITROANILINE	3						0.800000012	0.800000012
HOLDING POND	SW	ug/l	SVOA	100-02-7	4-NITROPHENOL	3						1.100000024	1.100000024
HOLDING POND	SW	ug/l	SVOA	100-51-6	BENZYL ALCOHOL	3						1.25	1.25
HOLDING POND	SW	ug/l	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	3						1.549999952	1.549999952
HOLDING POND	SW	ug/l	SVOA	105-67-9	2,4-DIMETHYLPHENOL	3						1.450000048	1.450000048
HOLDING POND	SW	ug/l	SVOA	106-44-5	4-METHYLPHENOL	3						1.200000048	1.200000048
HOLDING POND	SW	ug/l	SVOA	106-46-7	1,4-DICHLOROBENZENE	3						1.149999976	1.149999976
HOLDING POND	SW	ug/l	SVOA	106-47-8	4-CHLOROANILINE	3						1.149999976	1.149999976
HOLDING POND	SW	ug/l	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	3						1.299999952	1.299999952
HOLDING POND	SW	ug/l	SVOA	108-95-2	PHENOL	3						1.350000024	1.350000024
HOLDING POND	SW	ug/l	SVOA	110-86-1	PYRIDINE	3						1.850000024	1.850000024
HOLDING POND	SW	ug/l	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	3						1.25	1.25
HOLDING POND	SW	ug/l	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	3						1.25	1.25
HOLDING POND	SW	ug/l	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	3	1	33.33%	18	18	18	4.900000095	4.900000095
HOLDING POND	SW	ug/l	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	3						1	1
HOLDING POND	SW	ug/l	SVOA	118-74-1	HEXACHLOROBENZENE	3						0.850000024	0.850000024
HOLDING POND	SW	ug/l	SVOA	120-12-7	ANTHRACENE	3						1	1
HOLDING POND	SW	ug/l	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	3						1.049999952	1.049999952
HOLDING POND	SW	ug/l	SVOA	120-83-2	2,4-DICHLOROPHENOL	3						2.25	2.25
HOLDING POND	SW	ug/l	SVOA	121-14-2	2,4-DINITROTOLUENE	3						1.25	1.25
HOLDING POND	SW	ug/l	SVOA	129-00-0	PYRENE	3						0.949999988	0.949999988
HOLDING POND	SW	ug/l	SVOA	131-11-3	DIMETHYLPHTHALATE	3						1.100000024	1.100000024
HOLDING POND	SW	ug/l	SVOA	132-64-9	DIBENZOFURAN	3						0.699999988	0.699999988
HOLDING POND	SW	ug/l	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	3						0.75	0.75
HOLDING POND	SW	ug/l	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	3						0.800000012	0.800000012
HOLDING POND	SW	ug/l	SVOA	205-99-2	BENZO(B)FLUORANTHENE	3						0.949999988	0.949999988
HOLDING POND	SW	ug/l	SVOA	206-44-0	FLUORANTHENE	3						1.149999976	1.149999976
HOLDING POND	SW	ug/l	SVOA	207-08-9	BENZO(K)FLUORANTHENE	3						1.25	1.25
HOLDING POND	SW	ug/l	SVOA	208-96-8	ACENAPHTHYLENE	3						1.149999976	1.149999976
HOLDING POND	SW	ug/l	SVOA	218-01-9	CHRYSENE	3						0.949999988	0.949999988
HOLDING POND	SW	ug/l	SVOA	50-32-8	BENZO(A)PYRENE	3						0.850000024	0.850000024
HOLDING POND	SW	ug/l	SVOA	51-28-5	2,4-DINITROPHENOL	3						1.049999952	1.049999952
HOLDING POND	SW	ug/l	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	3						0.850000024	0.850000024
HOLDING POND	SW	ug/l	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	3						2.599999905	2.599999905
HOLDING POND	SW	ug/l	SVOA	541-73-1	1,3-DICHLOROBENZENE	3						1.100000024	1.100000024
HOLDING POND	SW	ug/l	SVOA	56-55-3	BENZO(A)ANTHRACENE	3						0.949999988	0.949999988
HOLDING POND	SW	ug/l	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	3						3.049999952	3.049999952
HOLDING POND	SW	ug/l	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	3						1.100000024	1.100000024
HOLDING POND	SW	ug/l	SVOA	606-20-2	2,6-DINITROTOLUENE	3						2.099999905	2.099999905
HOLDING POND	SW	ug/l	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	3						1.100000024	1.100000024
HOLDING POND	SW	ug/l	SVOA	65-85-0	BENZOIC ACID	3						0.600000024	0.600000024
HOLDING POND	SW	ug/l	SVOA	67-72-1	HEXACHLOROETHANE	3						0.800000012	0.800000012
HOLDING POND	SW	ug/l	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	3						1	1
HOLDING POND	SW	ug/l	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	3						0.25	0.25
HOLDING POND	SW	ug/l	SVOA	78-59-1	ISOPHORONE	3						1.399999976	1.399999976
HOLDING POND	SW	ug/l	SVOA	83-32-9	ACENAPHTHENE	3						1.100000024	1.100000024
HOLDING POND	SW	ug/l	SVOA	84-66-2	DIETHYLPHTHALATE	3						1.149999976	1.149999976
HOLDING POND	SW	ug/l	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	3						1	1
HOLDING POND	SW	ug/l	SVOA	85-01-8	PHENANTHRENE	3						1	1
HOLDING POND	SW	ug/l	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	3						0.850000024	0.850000024
HOLDING POND	SW	ug/l	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	3						0.850000024	0.850000024
HOLDING POND	SW	ug/l	SVOA	86-73-7	FLUORENE	3						1.149999976	1.149999976
HOLDING POND	SW	ug/l	SVOA	87-68-3	HEXACHLOROBUTADIENE	3						1.200000048	1.200000048
HOLDING POND	SW	ug/l	SVOA	87-86-5	PENTACHLOROPHENOL	3						0.850000024	0.850000024
HOLDING POND	SW	ug/l	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	3						3.200000048	3.200000048

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
HOLDING POND	SW	ug/l	SVOA	88-74-4	2-NITROANILINE	3						0.649999976	0.649999976
HOLDING POND	SW	ug/l	SVOA	88-75-5	2-NITROPHENOL	3						1.100000024	1.100000024
HOLDING POND	SW	ug/l	SVOA	91-20-3	NAPHTHALENE	3						1.200000048	1.200000048
HOLDING POND	SW	ug/l	SVOA	91-57-6	2-METHYLNAPHTHALENE	3						1.049999952	1.049999952
HOLDING POND	SW	ug/l	SVOA	91-58-7	2-CHLORONAPHTHALENE	3						1.100000024	1.100000024
HOLDING POND	SW	ug/l	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	3						2.150000095	2.150000095
HOLDING POND	SW	ug/l	SVOA	95-48-7	2-METHYLPHENOL	3						1.299999952	1.299999952
HOLDING POND	SW	ug/l	SVOA	95-50-1	1,2-DICHLOROBENZENE	3						1.350000024	1.350000024
HOLDING POND	SW	ug/l	SVOA	95-57-8	2-CHLOROPHENOL	3						1.399999976	1.399999976
HOLDING POND	SW	ug/l	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	3						0.899999976	0.899999976
HOLDING POND	SW	ug/l	SVOA	98-95-3	NITROBENZENE	3						1.299999952	1.299999952
HOLDING POND	SW	ug/l	SVOA	99-09-2	3-NITROANILINE	3						0.649999976	0.649999976
HOLDING POND	SW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	3	1	33.33%	11	11	11	5	5
HOLDING POND	SW	ug/l	TOTMET	7439-89-6	IRON, TOTAL	3	3	100.00%	3000	1654.666667	364		
HOLDING POND	SW	ug/l	TOTMET	7439-92-1	LEAD, TOTAL	3	1	33.33%	3.5	3.5	3.5	1.100000024	1.100000024
HOLDING POND	SW	ug/l	TOTMET	7439-95-4	MAGNESIUM, TOTAL	3	3	100.00%	10700	9793.333333	8880		
HOLDING POND	SW	ug/l	TOTMET	7439-96-5	MANGANESE, TOTAL	3	3	100.00%	241	154.8666662	93.59999847		
HOLDING POND	SW	ug/l	TOTMET	7439-97-6	MERCURY, TOTAL	3						0.028999999	0.028999999
HOLDING POND	SW	ug/l	TOTMET	7440-02-0	NICKEL, TOTAL	3	3	100.00%	98.5	65.63333257	40.79999924		
HOLDING POND	SW	ug/l	TOTMET	7440-22-4	SILVER, TOTAL	3						0.349999994	0.349999994
HOLDING POND	SW	ug/l	TOTMET	7440-36-0	ANTIMONY, TOTAL	3						1.700000048	1.700000048
HOLDING POND	SW	ug/l	TOTMET	7440-38-2	ARSENIC, TOTAL	3						1.549999952	1.549999952
HOLDING POND	SW	ug/l	TOTMET	7440-39-3	BARIUM, TOTAL	3						0.100000001	0.100000001
HOLDING POND	SW	ug/l	TOTMET	7440-41-7	BERYLLIUM, TOTAL	3						2.349999905	2.349999905
HOLDING POND	SW	ug/l	TOTMET	7440-43-9	CADMIUM, TOTAL	3						0.25	0.25
HOLDING POND	SW	ug/l	TOTMET	7440-47-3	CHROMIUM, TOTAL	3	2	66.67%	65.09999847	51.04999924	37	0.5	0.5
HOLDING POND	SW	ug/l	TOTMET	7440-48-4	COBALT, TOTAL	3						0.899999976	0.899999976
HOLDING POND	SW	ug/l	TOTMET	7440-50-8	COPPER, TOTAL	3						1.149999976	1.149999976
HOLDING POND	SW	ug/l	TOTMET	7440-62-2	VANADIUM, TOTAL	3	3	100.00%	278	253.3333333	218		
HOLDING POND	SW	ug/l	TOTMET	7440-66-6	ZINC, TOTAL	3	3	100.00%	197	134.6666667	58		
HOLDING POND	SW	ug/l	TOTMET	7782-49-2	SELENIUM, TOTAL	3						2.25	2.25
HOLDING POND	SW	ug/l	VOA	100-41-4	ETHYLBENZENE	3						0.699999988	0.699999988
HOLDING POND	SW	ug/l	VOA	100-42-5	STYRENE	3						0.449999988	0.449999988
HOLDING POND	SW	ug/l	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	3						0.5	0.5
HOLDING POND	SW	ug/l	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	3						0.699999988	0.699999988
HOLDING POND	SW	ug/l	VOA	107-06-2	1,2-DICHLOROETHANE	3						0.150000006	0.150000006
HOLDING POND	SW	ug/l	VOA	108-05-4	VINYL ACETATE	3						0.699999988	0.699999988
HOLDING POND	SW	ug/l	VOA	108-10-1	4-METHYL-2-PENTANONE	3						0.550000012	0.550000012
HOLDING POND	SW	ug/l	VOA	108-88-3	TOLUENE	3						0.5	0.5
HOLDING POND	SW	ug/l	VOA	108-90-7	CHLOROBENZENE	3						0.5	0.5
HOLDING POND	SW	ug/l	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	3						0.625	0.625
HOLDING POND	SW	ug/l	VOA	124-48-1	DIBROMOCHLOROMETHANE	3						0.349999994	0.349999994
HOLDING POND	SW	ug/l	VOA	127-18-4	TETRACHLOROETHENE	3						0.949999988	0.949999988
HOLDING POND	SW	ug/l	VOA	1330-20-7	XYLENES (TOTAL)	3						1.100000024	1.100000024
HOLDING POND	SW	ug/l	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	3						0.699999988	0.699999988
HOLDING POND	SW	ug/l	VOA	56-23-5	CARBON TETRACHLORIDE	3						0.550000012	0.550000012
HOLDING POND	SW	ug/l	VOA	591-78-6	2-HEXANONE	3						0.349999994	0.349999994
HOLDING POND	SW	ug/l	VOA	67-64-1	ACETONE	3	3	100.00%	6.400000095	5.366666635	4		
HOLDING POND	SW	ug/l	VOA	67-66-3	CHLOROFORM	3						0.449999988	0.449999988
HOLDING POND	SW	ug/l	VOA	71-43-2	BENZENE	3						0.5	0.5
HOLDING POND	SW	ug/l	VOA	71-55-6	1,1,1-TRICHLOROETHANE	3						0.550000012	0.550000012
HOLDING POND	SW	ug/l	VOA	74-83-9	BROMOMETHANE	3						0.649999976	0.649999976
HOLDING POND	SW	ug/l	VOA	74-87-3	CHLOROMETHANE	3						0.649999976	0.649999976
HOLDING POND	SW	ug/l	VOA	75-00-3	CHLOROETHANE	3						0.699999988	0.699999988
HOLDING POND	SW	ug/l	VOA	75-01-4	VINYL CHLORIDE	3						0.850000024	0.850000024
HOLDING POND	SW	ug/l	VOA	75-09-2	METHYLENE CHLORIDE	3	3	100.00%	2	1.866666675	1.700000048		
HOLDING POND	SW	ug/l	VOA	75-15-0	CARBON DISULFIDE	3						0.649999976	0.649999976
HOLDING POND	SW	ug/l	VOA	75-25-2	BROMOFORM	3						0.300000012	0.300000012
HOLDING POND	SW	ug/l	VOA	75-27-4	BROMODICHLOROMETHANE	3						0.349999994	0.349999994
HOLDING POND	SW	ug/l	VOA	75-34-3	1,1-DICHLOROETHANE	3						0.300000012	0.300000012
HOLDING POND	SW	ug/l	VOA	75-35-4	1,1-DICHLOROETHENE	3						0.75	0.75
HOLDING POND	SW	ug/l	VOA	78-87-5	1,2-DICHLOROPROPANE	3						0.400000006	0.400000006
HOLDING POND	SW	ug/l	VOA	78-93-3	2-BUTANONE	3						0.449999988	0.449999988
HOLDING POND	SW	ug/l	VOA	79-00-5	1,1,2-TRICHLOROETHANE	3						0.300000012	0.300000012
HOLDING POND	SW	ug/l	VOA	79-01-6	TRICHLOROETHENE	3						0.600000024	0.600000024
HOLDING POND	SW	ug/l	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	3						0.300000012	0.300000012
HOLDING POND	SW	ug/l	VOA	95-47-6	O-XYLENE	3						0.550000012	0.550000012
HOLDING POND	SW	ug/l	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	3						0.625	0.625
MAREAS	GW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	4						5	3

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
MAREAS	GW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	8	3	37.50%	2100	933	79	9.25	9.25
MAREAS	GW	ug/L	DISMET	7439-92-1	LEAD, DISSOLVED	8						1.5	1
MAREAS	GW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	8	8	100.00%	941000	620637.5	65100		
MAREAS	GW	ug/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	8	8	100.00%	580	342.25	237		
MAREAS	GW	ug/L	DISMET	7439-97-6	MERCURY, DISSOLVED	8						0.100000001	0.028999999
MAREAS	GW	ug/L	DISMET	7440-02-0	NICKEL, DISSOLVED	8						20	0.600000024
MAREAS	GW	ug/L	DISMET	7440-22-4	SILVER, DISSOLVED	5						0.904999971	0.349999994
MAREAS	GW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	8						30	1.700000048
MAREAS	GW	ug/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	8	2	25.00%	12.69999981	9.349999905	6	2.5	1.549999952
MAREAS	GW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	8	5	62.50%	730	598.6	487	0.649999976	0.100000001
MAREAS	GW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	8						2.5	0.680000007
MAREAS	GW	ug/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	8						2.5	0.25
MAREAS	GW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	8	1	12.50%	1.299999952	1.299999952	1.299999952	5	0.5
MAREAS	GW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	8						15	0.560000002
MAREAS	GW	ug/L	DISMET	7440-50-8	COPPER, DISSOLVED	8						5	0.660000026
MAREAS	GW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	8	2	25.00%	4.199999809	3.549999952	2.900000095	5	0.100000001
MAREAS	GW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	8	3	37.50%	150	68.66666667	10	6.849999905	6.800000191
MAREAS	GW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	8	6	75.00%	263	120.0499995	3.099999905	5	2.5
MAREAS	GW	ug/L	GENX	1-00-3	CHLORIDE	9	9	100.00%	28200000	13258111.11	433000		
MAREAS	GW	ug/L	GENX	18496-25-8	SULFIDE	8	4	50.00%	38400	18300	7000	250	2.5
MAREAS	GW	ug/L	GENX	18496-25-8	SULFIDE, TOTAL	1	1	100.00%	4000	4000	4000		
MAREAS	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	9	9	100.00%	1600	646.7777778	67		
MAREAS	GW	ug/L	GENX	25-90-0	NITRATE AS N	9	2	22.22%	95	85.5	76	50	6.25
MAREAS	GW	ug/L	GENX	3-03-5	SULFATE	9	9	100.00%	1250000	855044.4444	50400		
MAREAS	GW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	9	9	100.00%	1310000	571000	228000		
MAREAS	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	9						2500	1250
MAREAS	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	9	9	100.00%	1310000	571000	228000		
MAREAS	GW	ug/L	GENX	7440-09-7	POTASSIUM	5	5	100.00%	814000	334250	2250		
MAREAS	GW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	8	8	100.00%	452000	286950	25600		
MAREAS	GW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	4	4	100.00%	379000	198625	23100		
MAREAS	GW	ug/L	GENX	7440-23-5	SODIUM	5	4	80.00%	15800000	8722500	5670000	38.40000153	38.40000153
MAREAS	GW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	8	8	100.00%	8350000	6145750	296000		
MAREAS	GW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	4	4	100.00%	8410000	4278750	302000		
MAREAS	GW	ug/L	GENX	7440-70-2	CALCIUM	5	5	100.00%	349000	239360	70800		
MAREAS	GW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	8	8	100.00%	444000	316250	71000		
MAREAS	GW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	4	4	100.00%	987000	597750	382000		
MAREAS	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	3	3	100.00%	3300	1610	230		
MAREAS	GW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	6	6	100.00%	1600	1020	810		
MAREAS	GW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	9	8	88.89%	10400	4485	880	5300	5300
MAREAS	GW	ug/L	GENX	nitrite as N	NITRITE AS N	9						50	6.25
MAREAS	GW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	5	5	100.00%	551000	327600	178000		
MAREAS	GW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	5	5	100.00%	29500000	25560000	14100000		
MAREAS	GW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	9	9	100.00%	6600	4343.333333	690		
MAREAS	GW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	9	7	77.78%	15000	6297.142857	3680	625	500
MAREAS	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	9	9	100.00%	28100000	18038888.89	1340000		
MAREAS	GW	ug/L	SVOA	100-01-6	4-NITROANILINE	9						25	0.800000012
MAREAS	GW	ug/L	SVOA	100-02-7	4-NITROPHENOL	9						25	0.709999979
MAREAS	GW	ug/L	SVOA	100-51-6	BENZYL ALCOHOL	9						10	0.850000024
MAREAS	GW	ug/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	9						5	0.221000001
MAREAS	GW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	9						5	0.675000012
MAREAS	GW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	9						5	0.340000004
MAREAS	GW	ug/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	9						5	0.234999999
MAREAS	GW	ug/L	SVOA	106-47-8	4-CHLOROANILINE	9						5	1.149999976
MAREAS	GW	ug/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	9						5	0.200000003
MAREAS	GW	ug/L	SVOA	108-95-2	PHENOL	9						5	0.275000006
MAREAS	GW	ug/L	SVOA	110-86-1	PYRIDINE	9						10	1.850000024
MAREAS	GW	ug/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	9						5	0.275000006
MAREAS	GW	ug/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	9						5	0.171499997
MAREAS	GW	ug/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	9	2	22.22%	24.20000076	21.45000076	18.70000076	27.89999962	4.900000095
MAREAS	GW	ug/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	9						5	0.699999988
MAREAS	GW	ug/L	SVOA	118-74-1	HEXACHLOROBENZENE	9						5	0.730000019
MAREAS	GW	ug/L	SVOA	120-12-7	ANTHRACENE	9						5	0.180000007
MAREAS	GW	ug/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	9						5	0.535000026
MAREAS	GW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	9						5	0.254999995
MAREAS	GW	ug/L	SVOA	121-14-2	2,4-DINITROTOLUENE	9						5	0.550000012
MAREAS	GW	ug/L	SVOA	129-00-0	PYRENE	9						5	0.370000005
MAREAS	GW	ug/L	SVOA	131-11-3	DIMETHYLPHTHALATE	9						5	0.215000004
MAREAS	GW	ug/L	SVOA	132-64-9	DIBENZOFURAN	9						5	0.171499997
MAREAS	GW	ug/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	9						5	0.25999999

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
MAREAS	GW	ug/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	9						5	0.800000012
MAREAS	GW	ug/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	9						5	0.275000006
MAREAS	GW	ug/L	SVOA	206-44-0	FLUORANTHENE	9						5	0.405000001
MAREAS	GW	ug/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	9						5	0.219999999
MAREAS	GW	ug/L	SVOA	208-96-8	ACENAPHTHYLENE	9						5	0.200000003
MAREAS	GW	ug/L	SVOA	218-01-9	CHRYSENE	9						5	0.74000001
MAREAS	GW	ug/L	SVOA	50-32-8	BENZO(A)PYRENE	9						5	0.25
MAREAS	GW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	9						25	0.680000007
MAREAS	GW	ug/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	9						5	0.275000006
MAREAS	GW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	9						25	0.5
MAREAS	GW	ug/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	9						5	0.270000011
MAREAS	GW	ug/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	9						5	0.280000001
MAREAS	GW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	5						3.049999952	0.899999976
MAREAS	GW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	9						5	0.36500001
MAREAS	GW	ug/L	SVOA	606-20-2	2,6-DINITROTOLUENE	9						5	0.379999995
MAREAS	GW	ug/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	9						5	0.409999996
MAREAS	GW	ug/L	SVOA	65-85-0	BENZOIC ACID	9						25	0.600000024
MAREAS	GW	ug/L	SVOA	67-72-1	HEXACHLOROETHANE	9						5	0.610000014
MAREAS	GW	ug/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	9						5	0.175999999
MAREAS	GW	ug/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	9						25	0.25
MAREAS	GW	ug/L	SVOA	78-59-1	ISOPHORONE	9						5	0.289999992
MAREAS	GW	ug/L	SVOA	83-32-9	ACENAPHTHENE	9						5	0.680000007
MAREAS	GW	ug/L	SVOA	84-66-2	DIETHYLPHTHALATE	9	1	11.11%	1.799999952	1.799999952	1.799999952	5	0.425500005
MAREAS	GW	ug/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	9	1	11.11%	1.399999976	1.399999976	1.399999976	5	0.425000012
MAREAS	GW	ug/L	SVOA	85-01-8	PHENANTHRENE	9						5	0.714999974
MAREAS	GW	ug/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	9						5	0.488000005
MAREAS	GW	ug/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	9						5	0.850000024
MAREAS	GW	ug/L	SVOA	86-73-7	FLUORENE	9						5	0.234999999
MAREAS	GW	ug/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	9						5	0.529999971
MAREAS	GW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	9						25	0.444999993
MAREAS	GW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	9						5	0.294999987
MAREAS	GW	ug/L	SVOA	88-74-4	2-NITROANILINE	9						25	0.453999996
MAREAS	GW	ug/L	SVOA	88-75-5	2-NITROPHENOL	9						5	0.224999994
MAREAS	GW	ug/L	SVOA	91-20-3	NAPHTHALENE	9						5	0.36500001
MAREAS	GW	ug/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	9						5	0.324999988
MAREAS	GW	ug/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	9						5	0.1875
MAREAS	GW	ug/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	9						25	1.284999967
MAREAS	GW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	9						5	0.275000006
MAREAS	GW	ug/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	9						5	0.275000006
MAREAS	GW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	9						5	0.159999996
MAREAS	GW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	9						5	0.234999999
MAREAS	GW	ug/L	SVOA	98-95-3	NITROBENZENE	9						5	0.294999987
MAREAS	GW	ug/L	SVOA	99-09-2	3-NITROANILINE	9						25	0.649999976
MAREAS	GW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	9	1	11.11%	93	93	93	5	3
MAREAS	GW	ug/L	TOTMET	7439-89-6	IRON, TOTAL	9	9	100.00%	564000	133185.5556	510		
MAREAS	GW	ug/L	TOTMET	7439-92-1	LEAD, TOTAL	8	3	37.50%	440	157.3333333	15	2	1.100000024
MAREAS	GW	ug/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	9	9	100.00%	1080000	497188.8889	30700		
MAREAS	GW	ug/L	TOTMET	7439-96-5	MANGANESE, TOTAL	9	9	100.00%	9500	2714.777778	357		
MAREAS	GW	ug/L	TOTMET	7439-97-6	MERCURY, TOTAL	9	3	33.33%	1.200000048	0.51666668	0.029999999	0.100000001	0.0085
MAREAS	GW	ug/L	TOTMET	7440-02-0	NICKEL, TOTAL	9	4	44.44%	113	76.20000005	8.800000191	20	2.625
MAREAS	GW	ug/L	TOTMET	7440-22-4	SILVER, TOTAL	3						0.904999971	0.349999994
MAREAS	GW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	8	2	25.00%	8.899999619	7.249999762	5.599999905	30	1.700000048
MAREAS	GW	ug/L	TOTMET	7440-38-2	ARSENIC, TOTAL	9	4	44.44%	120	55.45000017	7.099999905	2.5	1.549999952
MAREAS	GW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	9	5	55.56%	1100	553	180	0.649999976	0.649999976
MAREAS	GW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	9	2	22.22%	2	2	2	2.5	0.680000007
MAREAS	GW	ug/L	TOTMET	7440-43-9	CADMIUM, TOTAL	8	3	37.50%	9.699999809	4.759999971	0.680000007	2.5	0.25
MAREAS	GW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	9	3	33.33%	180	118.3333333	15	5	0.5
MAREAS	GW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	9	3	33.33%	230	131	13	15	0.560000002
MAREAS	GW	ug/L	TOTMET	7440-50-8	COPPER, TOTAL	9	7	77.78%	1400	364.7000002	40.79999924	1.149999976	0.660000026
MAREAS	GW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	9	6	66.67%	1200	454.25	65.69999695	0.774999976	0.100000001
MAREAS	GW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	8	4	50.00%	2200	852.5	100	6.849999905	6.800000191
MAREAS	GW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	8	3	37.50%	16	9.133333325	1.399999976	12.5	2.244999886
MAREAS	GW	ug/L	VOA	100-41-4	ETHYLBENZENE	9						2.5	0.02
MAREAS	GW	ug/L	VOA	100-42-5	STYRENE	9						2.5	0.015
MAREAS	GW	ug/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	9						2.5	0.02
MAREAS	GW	ug/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	9						2.5	0.015
MAREAS	GW	ug/L	VOA	107-06-2	1,2-DICHLOROETHANE	9						2.5	0.02
MAREAS	GW	ug/L	VOA	108-05-4	VINYL ACETATE	9						25	0.699999988
MAREAS	GW	ug/L	VOA	108-10-1	4-METHYL-2-PENTANONE	9						25	0.550000012

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
MAREAS	GW	ug/L	VOA	108-88-3	TOLUENE	9						2.5	0.01
MAREAS	GW	ug/L	VOA	108-90-7	CHLOROBENZENE	9						2.5	0.02
MAREAS	GW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	9						2.5	0.625
MAREAS	GW	ug/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	9						2.5	0.02
MAREAS	GW	ug/L	VOA	127-18-4	TETRACHLOROETHENE	9						2.5	0.035
MAREAS	GW	ug/L	VOA	1330-20-7	XYLENES (TOTAL)	9	1	11.11%	1.299999952	1.299999952	1.299999952	2.5	0.460000008
MAREAS	GW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	9						2.5	0.025
MAREAS	GW	ug/L	VOA	56-23-5	CARBON TETRACHLORIDE	9						2.5	0.035
MAREAS	GW	ug/L	VOA	591-78-6	2-HEXANONE	9						25	0.349999994
MAREAS	GW	ug/L	VOA	67-64-1	ACETONE	9	3	33.33%	4.099999905	2.799999952	2.099999905	50	0.850000024
MAREAS	GW	ug/L	VOA	67-66-3	CHLOROFORM	9						2.5	0.02
MAREAS	GW	ug/L	VOA	71-43-2	BENZENE	9						0.5	0.035
MAREAS	GW	ug/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	9						2.5	0.02
MAREAS	GW	ug/L	VOA	74-83-9	BROMOMETHANE	9						5	0.02
MAREAS	GW	ug/L	VOA	74-87-3	CHLOROMETHANE	9						5	0.039999999
MAREAS	GW	ug/L	VOA	75-00-3	CHLOROETHANE	9						5	0.025
MAREAS	GW	ug/L	VOA	75-01-4	VINYL CHLORIDE	9						5	0.015
MAREAS	GW	ug/L	VOA	75-09-2	METHYLENE CHLORIDE	9	1	11.11%	19.5	19.5	19.5	8.100000381	0.079999998
MAREAS	GW	ug/L	VOA	75-15-0	CARBON DISULFIDE	9	1	11.11%	0.310000002	0.310000002	0.310000002	2.5	0.354999989
MAREAS	GW	ug/L	VOA	75-25-2	BROMOFORM	9						2.5	0.300000012
MAREAS	GW	ug/L	VOA	75-27-4	BROMODICHLOROMETHANE	9						2.5	0.01
MAREAS	GW	ug/L	VOA	75-34-3	1,1-DICHLOROETHANE	9						2.5	0.02
MAREAS	GW	ug/L	VOA	75-35-4	1,1-DICHLOROETHENE	9						2.5	0.02
MAREAS	GW	ug/L	VOA	78-87-5	1,2-DICHLOROPROPANE	9						2.5	0.045000002
MAREAS	GW	ug/L	VOA	78-93-3	2-BUTANONE	9						25	0.449999988
MAREAS	GW	ug/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	9						2.5	0.02
MAREAS	GW	ug/L	VOA	79-01-6	TRICHLOROETHENE	9						2.5	0.025
MAREAS	GW	ug/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	9						2.5	0.029999999
MAREAS	GW	ug/L	VOA	95-47-6	O-XYLENE	5						0.550000012	0.340000004
MAREAS	GW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	9	7	77.78%	5.300000191	3.800000054	1.700000048	0.349999994	0.349999994
MAREAS	GW	ug/l	VTIC	methane	METHANE	4	4	100.00%	290	123	39		
MAREAS	SB	ug/Kg	GENX	7440-09-7	POTASSIUM	3	3	100.00%	2770000	1360666.667	587000		
MAREAS	SB	ug/Kg	GENX	7440-23-5	SODIUM	3	3	100.00%	2890000	1568333.333	665000		
MAREAS	SB	ug/Kg	GENX	7440-70-2	CALCIUM	3	3	100.00%	91400000	55666666.67	19700000		
MAREAS	SB	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	3	3	100.00%	16900000	7456666.667	1060000		
MAREAS	SB	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	3						75	55
MAREAS	SB	ug/Kg	METALS	7439-89-6	IRON	3	3	100.00%	46200000	24326666.67	9680000		
MAREAS	SB	ug/Kg	METALS	7439-92-1	LEAD	3	3	100.00%	12800	5110	530		
MAREAS	SB	ug/Kg	METALS	7439-95-4	MAGNESIUM	3	3	100.00%	16800000	9753333.333	5120000		
MAREAS	SB	ug/Kg	METALS	7439-96-5	MANGANESE	3	3	100.00%	1050000	588333.3333	222000		
MAREAS	SB	ug/Kg	METALS	7439-97-6	MERCURY	3	2	66.67%	34	27	20	20.5	20.5
MAREAS	SB	ug/Kg	METALS	7440-02-0	NICKEL	3	3	100.00%	11100	5300	2000		
MAREAS	SB	ug/Kg	METALS	7440-38-2	ARSENIC	3	3	100.00%	4400	3866.666667	3100		
MAREAS	SB	ug/Kg	METALS	7440-39-3	BARIUM	3	3	100.00%	101000	46833.33333	13800		
MAREAS	SB	ug/Kg	METALS	7440-41-7	BERYLLIUM	3						310	285
MAREAS	SB	ug/Kg	METALS	7440-43-9	CADMIUM	3	3	100.00%	1300	846.6666667	360		
MAREAS	SB	ug/Kg	METALS	7440-47-3	CHROMIUM	3	3	100.00%	17100	9266.666667	5100		
MAREAS	SB	ug/Kg	METALS	7440-48-4	COBALT	3	3	100.00%	25000	12833.33333	5000		
MAREAS	SB	ug/Kg	METALS	7440-50-8	COPPER	3	3	100.00%	87200	40300	12800		
MAREAS	SB	ug/Kg	METALS	7440-62-2	VANADIUM	3	3	100.00%	151000	83800	40700		
MAREAS	SB	ug/Kg	METALS	7440-66-6	ZINC	3	3	100.00%	113000	59233.33333	16400		
MAREAS	SB	ug/Kg	METALS	7782-49-2	SELENIUM	3						1950	285
MAREAS	SB	ug/kg	SVOA	100-01-6	4-NITROANILINE	3						1250	900
MAREAS	SB	ug/kg	SVOA	100-02-7	4-NITROPHENOL	3						1250	900
MAREAS	SB	ug/kg	SVOA	100-51-6	BENZYL ALCOHOL	3						255	190
MAREAS	SB	ug/kg	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	3						255	190
MAREAS	SB	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	3						255	190
MAREAS	SB	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	3						255	190
MAREAS	SB	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	3						255	190
MAREAS	SB	ug/kg	SVOA	106-47-8	4-CHLOROANILINE	3						255	190
MAREAS	SB	ug/kg	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	3						255	190
MAREAS	SB	ug/kg	SVOA	108-95-2	PHENOL	3						255	190
MAREAS	SB	ug/kg	SVOA	110-86-1	PYRIDINE	3						500	380
MAREAS	SB	ug/kg	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	3						255	190
MAREAS	SB	ug/kg	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	3						255	190
MAREAS	SB	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	3						255	190
MAREAS	SB	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	3						255	190
MAREAS	SB	ug/kg	SVOA	118-74-1	HEXACHLOROBENZENE	3						255	190
MAREAS	SB	ug/kg	SVOA	120-12-7	ANTHRACENE	3						255	190

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
MAREAS	SB	ug/kg	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	3						255	190
MAREAS	SB	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	3						255	190
MAREAS	SB	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	3						255	190
MAREAS	SB	ug/kg	SVOA	129-00-0	PYRENE	3						255	190
MAREAS	SB	ug/kg	SVOA	131-11-3	DIMETHYLPHTHALATE	3						255	190
MAREAS	SB	ug/kg	SVOA	132-64-9	DIBENZOFURAN	3						255	190
MAREAS	SB	ug/kg	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	3						255	190
MAREAS	SB	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	3						255	190
MAREAS	SB	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	3						255	190
MAREAS	SB	ug/kg	SVOA	206-44-0	FLUORANTHENE	3						255	190
MAREAS	SB	ug/kg	SVOA	207-08-9	BENZO(K)FLUORANTHENE	3						255	190
MAREAS	SB	ug/kg	SVOA	208-96-8	ACENAPHTHYLENE	3						255	190
MAREAS	SB	ug/kg	SVOA	218-01-9	CHRYSENE	3						255	190
MAREAS	SB	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	3						255	190
MAREAS	SB	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	3						1250	900
MAREAS	SB	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	3						255	190
MAREAS	SB	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	3						1250	900
MAREAS	SB	ug/kg	SVOA	541-73-1	1,3-DICHLOROBENZENE	3						255	190
MAREAS	SB	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	3						255	190
MAREAS	SB	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	3						255	190
MAREAS	SB	ug/kg	SVOA	606-20-2	2,6-DINITROTOLUENE	3						255	190
MAREAS	SB	ug/kg	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	3						255	190
MAREAS	SB	ug/kg	SVOA	65-85-0	BENZOIC ACID	3						1250	900
MAREAS	SB	ug/kg	SVOA	67-72-1	HEXACHLOROETHANE	3						255	190
MAREAS	SB	ug/kg	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	3						255	190
MAREAS	SB	ug/kg	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	3						1250	900
MAREAS	SB	ug/kg	SVOA	78-59-1	ISOPHORONE	3						255	190
MAREAS	SB	ug/kg	SVOA	83-32-9	ACENAPHTHENE	3						255	190
MAREAS	SB	ug/kg	SVOA	84-66-2	DIETHYLPHTHALATE	3						500	380
MAREAS	SB	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	3						255	190
MAREAS	SB	ug/kg	SVOA	85-01-8	PHENANTHRENE	3						255	190
MAREAS	SB	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	3						255	190
MAREAS	SB	ug/kg	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	3						255	190
MAREAS	SB	ug/kg	SVOA	86-73-7	FLUORENE	3						255	190
MAREAS	SB	ug/kg	SVOA	87-68-3	HEXACHLOROBUTADIENE	3						255	190
MAREAS	SB	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	3						1250	900
MAREAS	SB	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	3						255	190
MAREAS	SB	ug/kg	SVOA	88-74-4	2-NITROANILINE	3						1250	900
MAREAS	SB	ug/kg	SVOA	88-75-5	2-NITROPHENOL	3						255	190
MAREAS	SB	ug/kg	SVOA	91-20-3	NAPHTHALENE	3						255	190
MAREAS	SB	ug/kg	SVOA	91-57-6	2-METHYLNAPHTHALENE	3						255	190
MAREAS	SB	ug/kg	SVOA	91-58-7	2-CHLORONAPHTHALENE	3						255	190
MAREAS	SB	ug/kg	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	3						1250	900
MAREAS	SB	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	3						255	190
MAREAS	SB	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	3						255	190
MAREAS	SB	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	3						255	190
MAREAS	SB	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	3						255	190
MAREAS	SB	ug/kg	SVOA	98-95-3	NITROBENZENE	3						255	190
MAREAS	SB	ug/kg	SVOA	99-09-2	3-NITROANILINE	3						1250	900
MAREAS	SB	ug/kg	VOA	100-41-4	ETHYLBENZENE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	100-42-5	STYRENE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	108-05-4	VINYL ACETATE	3						7.5	5.5
MAREAS	SB	ug/kg	VOA	108-10-1	4-METHYL-2-PENTANONE	3						15.5	11.5
MAREAS	SB	ug/kg	VOA	108-88-3	TOLUENE	3	2	66.67%	9.300000191	5.350000083	1.399999976	3.049999952	3.049999952
MAREAS	SB	ug/kg	VOA	108-90-7	CHLOROBENZENE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	3						38.5	28.5
MAREAS	SB	ug/kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	3	1	33.33%	5.900000095	5.900000095	5.900000095	3.049999952	2.849999905
MAREAS	SB	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	3						1.950000048	1.450000048
MAREAS	SB	ug/kg	VOA	56-23-5	CARBON TETRACHLORIDE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	591-78-6	2-HEXANONE	3						15.5	11.5
MAREAS	SB	ug/kg	VOA	67-64-1	ACETONE	3	3	100.00%	47	31	11		
MAREAS	SB	ug/kg	VOA	67-66-3	CHLOROFORM	3						7.5	5.5
MAREAS	SB	ug/kg	VOA	71-43-2	BENZENE	3	1	33.33%	1.5	1.5	1.5	3.049999952	2.849999905
MAREAS	SB	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	3	1	33.33%	9.600000381	9.600000381	9.600000381	3.049999952	2.849999905

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
MAREAS	SB	ug/kg	VOA	74-83-9	BROMOMETHANE	3						7.5	5.5
MAREAS	SB	ug/kg	VOA	74-87-3	CHLOROMETHANE	3						7.5	5.5
MAREAS	SB	ug/kg	VOA	75-00-3	CHLOROETHANE	3						7.5	5.5
MAREAS	SB	ug/kg	VOA	75-01-4	VINYL CHLORIDE	3						7.5	5.5
MAREAS	SB	ug/kg	VOA	75-09-2	METHYLENE CHLORIDE	3						7.699999809	3.049999952
MAREAS	SB	ug/kg	VOA	75-15-0	CARBON DISULFIDE	3	3	100.00%	18	7.533333381	1.700000048		
MAREAS	SB	ug/kg	VOA	75-25-2	BROMOFORM	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	75-27-4	BROMODICHLOROMETHANE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	75-34-3	1,1-DICHLOROETHANE	3	1	33.33%	3.299999952	3.299999952	3.299999952	3.049999952	2.849999905
MAREAS	SB	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	78-87-5	1,2-DICHLOROPROPANE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	78-93-3	2-BUTANONE	3	3	100.00%	17	11.19999997	5.599999905		
MAREAS	SB	ug/kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	79-01-6	TRICHLOROETHENE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	3						3.849999905	2.849999905
MAREAS	SB	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	3						15.5	11.5
MAREAS	SS	ug/Kg	GENX	7440-09-7	POTASSIUM	3	3	100.00%	1370000	968666.6667	724000		
MAREAS	SS	ug/Kg	GENX	7440-23-5	SODIUM	3	2	66.67%	3240000	2490000	1740000	645000	645000
MAREAS	SS	ug/Kg	GENX	7440-70-2	CALCIUM	3	3	100.00%	71700000	55433333.33	25200000		
MAREAS	SS	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	3	3	100.00%	9470000	6596666.667	4120000		
MAREAS	SS	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	3						60	55
MAREAS	SS	ug/Kg	METALS	7439-89-6	IRON	3	3	100.00%	32700000	23966666.67	11900000		
MAREAS	SS	ug/Kg	METALS	7439-92-1	LEAD	3	3	100.00%	23000	13400	1500		
MAREAS	SS	ug/Kg	METALS	7439-95-4	MAGNESIUM	3	3	100.00%	8670000	6943333.333	5490000		
MAREAS	SS	ug/Kg	METALS	7439-96-5	MANGANESE	3	3	100.00%	590000	416666.6667	269000		
MAREAS	SS	ug/Kg	METALS	7439-97-6	MERCURY	3	3	100.00%	38	16.99999984	4.599999905		
MAREAS	SS	ug/Kg	METALS	7440-02-0	NICKEL	3	3	100.00%	6400	4066.666667	2200		
MAREAS	SS	ug/Kg	METALS	7440-38-2	ARSENIC	3	3	100.00%	4800	4200	3800		
MAREAS	SS	ug/Kg	METALS	7440-39-3	BARIUM	3	3	100.00%	44100	32733.33333	16500		
MAREAS	SS	ug/Kg	METALS	7440-41-7	BERYLLIUM	3						300	110
MAREAS	SS	ug/Kg	METALS	7440-43-9	CADMIUM	3	3	100.00%	1500	1026.666667	640		
MAREAS	SS	ug/Kg	METALS	7440-47-3	CHROMIUM	3	3	100.00%	15600	10233.33333	5700		
MAREAS	SS	ug/Kg	METALS	7440-48-4	COBALT	3	3	100.00%	12100	9400	6000		
MAREAS	SS	ug/Kg	METALS	7440-50-8	COPPER	3	3	100.00%	38300	28200	14800		
MAREAS	SS	ug/Kg	METALS	7440-62-2	VANADIUM	3	3	100.00%	97800	77400	50700		
MAREAS	SS	ug/Kg	METALS	7440-66-6	ZINC	3	3	100.00%	83700	54333.33333	21500		
MAREAS	SS	ug/Kg	METALS	7782-49-2	SELENIUM	3						300	285
MAREAS	SS	ug/kg	SVOA	100-01-6	4-NITROANILINE	3						950	900
MAREAS	SS	ug/kg	SVOA	100-02-7	4-NITROPHENOL	3						950	900
MAREAS	SS	ug/kg	SVOA	100-51-6	BENZYL ALCOHOL	3						200	185
MAREAS	SS	ug/kg	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	3						200	185
MAREAS	SS	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	3						200	185
MAREAS	SS	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	3						200	185
MAREAS	SS	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	3						200	185
MAREAS	SS	ug/kg	SVOA	106-47-8	4-CHLOROANILINE	3						200	185
MAREAS	SS	ug/kg	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	3						200	185
MAREAS	SS	ug/kg	SVOA	108-95-2	PHENOL	3						200	185
MAREAS	SS	ug/kg	SVOA	110-86-1	PYRIDINE	3						395	375
MAREAS	SS	ug/kg	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	3						200	185
MAREAS	SS	ug/kg	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	3						200	185
MAREAS	SS	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	3						200	185
MAREAS	SS	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	3						200	185
MAREAS	SS	ug/kg	SVOA	118-74-1	HEXACHLOROBENZENE	3						200	185
MAREAS	SS	ug/kg	SVOA	120-12-7	ANTHRACENE	3						200	185
MAREAS	SS	ug/kg	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	3						200	185
MAREAS	SS	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	3						200	185
MAREAS	SS	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	3						200	185
MAREAS	SS	ug/kg	SVOA	129-00-0	PYRENE	3						200	185
MAREAS	SS	ug/kg	SVOA	131-11-3	DIMETHYLPHTHALATE	3						200	185
MAREAS	SS	ug/kg	SVOA	132-64-9	DIBENZOFURAN	3						200	185
MAREAS	SS	ug/kg	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	3						200	185
MAREAS	SS	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	3						200	185
MAREAS	SS	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	3						200	185
MAREAS	SS	ug/kg	SVOA	206-44-0	FLUORANTHENE	3						200	185
MAREAS	SS	ug/kg	SVOA	207-08-9	BENZO(K)FLUORANTHENE	3						200	185
MAREAS	SS	ug/kg	SVOA	208-96-8	ACENAPHTHYLENE	3						200	185
MAREAS	SS	ug/kg	SVOA	218-01-9	CHRYSENE	3						200	185
MAREAS	SS	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	3						200	185
MAREAS	SS	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	3						950	900

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
MAREAS	SS	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	3						200	185
MAREAS	SS	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	3						950	900
MAREAS	SS	ug/kg	SVOA	541-73-1	1,3-DICHLOROBENZENE	3						200	185
MAREAS	SS	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	3						200	185
MAREAS	SS	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	3						200	185
MAREAS	SS	ug/kg	SVOA	606-20-2	2,6-DINITROTOLUENE	3						200	185
MAREAS	SS	ug/kg	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	3						200	185
MAREAS	SS	ug/kg	SVOA	65-85-0	BENZOIC ACID	3						950	900
MAREAS	SS	ug/kg	SVOA	67-72-1	HEXACHLOROETHANE	3						200	185
MAREAS	SS	ug/kg	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	3						200	185
MAREAS	SS	ug/kg	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	3						950	900
MAREAS	SS	ug/kg	SVOA	78-59-1	ISOPHORONE	3						200	185
MAREAS	SS	ug/kg	SVOA	83-32-9	ACENAPHTHENE	3						200	185
MAREAS	SS	ug/kg	SVOA	84-66-2	DIETHYLPHTHALATE	3						395	375
MAREAS	SS	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	3						200	185
MAREAS	SS	ug/kg	SVOA	85-01-8	PHENANTHRENE	3						200	185
MAREAS	SS	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	3						200	185
MAREAS	SS	ug/kg	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	3						200	185
MAREAS	SS	ug/kg	SVOA	86-73-7	FLUORENE	3						200	185
MAREAS	SS	ug/kg	SVOA	87-68-3	HEXACHLOROBUTADIENE	3						200	185
MAREAS	SS	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	3						950	900
MAREAS	SS	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	3						200	185
MAREAS	SS	ug/kg	SVOA	88-74-4	2-NITROANILINE	3						950	900
MAREAS	SS	ug/kg	SVOA	88-75-5	2-NITROPHENOL	3						200	185
MAREAS	SS	ug/kg	SVOA	91-20-3	NAPHTHALENE	3						200	185
MAREAS	SS	ug/kg	SVOA	91-57-6	2-METHYLNAPHTHALENE	3						200	185
MAREAS	SS	ug/kg	SVOA	91-58-7	2-CHLORONAPHTHALENE	3						200	185
MAREAS	SS	ug/kg	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	3						950	900
MAREAS	SS	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	3						200	185
MAREAS	SS	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	3						200	185
MAREAS	SS	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	3						200	185
MAREAS	SS	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	3						200	185
MAREAS	SS	ug/kg	SVOA	98-95-3	NITROBENZENE	3						200	185
MAREAS	SS	ug/kg	SVOA	99-09-2	3-NITROANILINE	3						950	900
MAREAS	SS	ug/kg	VOA	100-41-4	ETHYLBENZENE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	100-42-5	STYRENE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	108-05-4	VINYL ACETATE	3						6	5.5
MAREAS	SS	ug/kg	VOA	108-10-1	4-METHYL-2-PENTANONE	3						12	11.5
MAREAS	SS	ug/kg	VOA	108-88-3	TOLUENE	3	3	100.00%	1.799999952	1.48666666	0.959999979		
MAREAS	SS	ug/kg	VOA	108-90-7	CHLOROBENZENE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	3						30	28.5
MAREAS	SS	ug/kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	3	2	66.67%	1.799999952	1.699999988	1.600000024	2.950000048	2.950000048
MAREAS	SS	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	3						1.5	1.399999976
MAREAS	SS	ug/kg	VOA	56-23-5	CARBON TETRACHLORIDE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	591-78-6	2-HEXANONE	3						12	11.5
MAREAS	SS	ug/kg	VOA	67-64-1	ACETONE	3	3	100.00%	46	26	15		
MAREAS	SS	ug/kg	VOA	67-66-3	CHLOROFORM	3						6	5.5
MAREAS	SS	ug/kg	VOA	71-43-2	BENZENE	3	1	33.33%	1.200000048	1.200000048	1.200000048	3	2.849999905
MAREAS	SS	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	3	2	66.67%	1.299999952	1.199999988	1.100000024	2.950000048	2.950000048
MAREAS	SS	ug/kg	VOA	74-83-9	BROMOMETHANE	3						6	5.5
MAREAS	SS	ug/kg	VOA	74-87-3	CHLOROMETHANE	3						6	5.5
MAREAS	SS	ug/kg	VOA	75-00-3	CHLOROETHANE	3						6	5.5
MAREAS	SS	ug/kg	VOA	75-01-4	VINYL CHLORIDE	3						6	5.5
MAREAS	SS	ug/kg	VOA	75-09-2	METHYLENE CHLORIDE	3						6	5.699999809
MAREAS	SS	ug/kg	VOA	75-15-0	CARBON DISULFIDE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	75-25-2	BROMOFORM	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	75-27-4	BROMODICHLOROMETHANE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	75-34-3	1,1-DICHLOROETHANE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	78-87-5	1,2-DICHLOROPROPANE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	78-93-3	2-BUTANONE	3	3	100.00%	12	7.633333365	4.800000191		
MAREAS	SS	ug/kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	79-01-6	TRICHLOROETHENE	3						3	2.849999905
MAREAS	SS	ug/kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	3						3	2.849999905

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
MAREAS	SS	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	3						12	11.5
ONSITE	GW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	53						5	3
ONSITE	GW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	49	42	85.71%	19900	5224.214286	133	256	9.25
ONSITE	GW	UG/L	DISMET	7439-92-1	LEAD, DISSOLVED	114	5	4.39%	16.60000038	6.240000105	1.200000048	5	0.75
ONSITE	GW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	49	49	100.00%	152000	50569.59184	8270		
ONSITE	GW	UG/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	96	93	96.88%	4500	1618.27957	90	266	1.455000043
ONSITE	GW	UG/L	DISMET	7439-97-6	MERCURY, DISSOLVED	114	1	0.88%	217	217	217	0.100000001	0.028999999
ONSITE	GW	UG/L	DISMET	7440-02-0	NICKEL, DISSOLVED	114	74	64.91%	470	108.1675676	20	20	0.600000024
ONSITE	GW	UG/L	DISMET	7440-22-4	SILVER, DISSOLVED	76	3	3.95%	429	145.3333333	1	5	0.349999994
ONSITE	GW	UG/L	DISMET	7440-28-0	THALLIUM, DISSOLVED	6						1000	1000
ONSITE	GW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	96	2	2.08%	70	37.20000005	4.400000095	50	1.700000048
ONSITE	GW	UG/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	114	40	35.09%	408	19.1325	1.399999976	2.5	0.5
ONSITE	GW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	96	86	89.58%	1240	541.7837209	6.099999905	0.649999976	0.100000001
ONSITE	GW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	76						2.5	0.680000007
ONSITE	GW	UG/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	114	10	8.77%	71.30000305	10.83000031	2	2.5	0.25
ONSITE	GW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	96	1	1.04%	449	449	449	5	0.5
ONSITE	GW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	75	16	21.33%	715	132.2687498	5.699999809	15	0.560000002
ONSITE	GW	UG/L	DISMET	7440-50-8	COPPER, DISSOLVED	114	19	16.67%	260	31.91578955	7.800000191	5	0.660000026
ONSITE	GW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	96	12	12.50%	338	40.56666668	7.300000191	25	0.100000001
ONSITE	GW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	96	74	77.08%	282	107.7202703	10	10	2.5
ONSITE	GW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	94	15	15.96%	53.29999924	14.97333326	5.800000191	5	1.25
ONSITE	GW	ug/L	GENX	1-00-3	CHLORIDE	132	129	97.73%	732000	213594.5736	14000	11350	1500
ONSITE	GW	ug/L	GENX	18496-25-8	SULFIDE	55	21	38.18%	13900	996.6190476	20	25	2.5
ONSITE	GW	ug/L	GENX	18496-25-8	SULFIDE, TOTAL	6						25	25
ONSITE	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	86	56	65.12%	1400	214.2321429	20	25	2
ONSITE	GW	ug/L	GENX	25-90-0	NITRATE AS N	125	36	28.80%	6960	659.5277778	14	50	5
ONSITE	GW	ug/L	GENX	3-03-5	SULFATE	132	89	67.42%	734000	114811.4607	1660	250000	500
ONSITE	GW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	49	49	100.00%	656000	421040.8163	132000		
ONSITE	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	88						5000	500
ONSITE	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	104	104	100.00%	781000	441336.5385	31000		
ONSITE	GW	UG/L	GENX	527650-80-0	TOTAL ORGANIC HALOGENS AS CHLORIDE	26	26	100.00%	16600	953.6884616	39		
ONSITE	GW	ug/L	GENX	57-12-5	CYANIDE	1						5	5
ONSITE	GW	ug/L	GENX	66-30-0	FLUORIDE	28	27	96.43%	1040	593.9259259	56	25000	25000
ONSITE	GW	UG/L	GENX	7440-09-7	POTASSIUM	86	56	65.12%	278000	8847.767857	508	2500	44.04999924
ONSITE	GW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	49	35	71.43%	11700	3516.657143	507	2500	2500
ONSITE	GW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	17	3	17.65%	9800	9233.333333	8700	2500	2500
ONSITE	GW	ug/L	GENX	7440-23-5	SODIUM	114	114	100.00%	516000	141185.7018	17400		
ONSITE	GW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	49	49	100.00%	259000	138346.9388	36700		
ONSITE	GW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	17	17	100.00%	253000	157658.8235	39600		
ONSITE	GW	ug/L	GENX	7440-70-2	CALCIUM	70	70	100.00%	343000	100342.8571	17400		
ONSITE	GW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	49	49	100.00%	304000	85244.89796	19100		
ONSITE	GW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	17	17	100.00%	160000	94164.70588	57300		
ONSITE	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	50	49	98.00%	1360	267.122449	30	10	10
ONSITE	GW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	38	17	44.74%	3200	385.2941176	62	145	25
ONSITE	GW	ug/L	GENX	7727-37-9	NITROGEN, TOTAL	18	18	100.00%	7360	1839.444444	170		
ONSITE	GW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	49	37	75.51%	7900	1772.405405	50	7300	6.25
ONSITE	GW	ug/L	GENX	NH3 total	AMMONIA AS NH3, TOTAL	21	21	100.00%	9700	1717.619048	90		
ONSITE	GW	ug/L	GENX	nitrite as N	NITRITE AS N	78	11	14.10%	110	41.27272727	12	25	5
ONSITE	GW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	32	14	43.75%	53000	20785.71429	4000	500	500
ONSITE	GW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	32	32	100.00%	2490000	852937.5	288000		
ONSITE	GW	ug/L	GENX	ST-00630	NITRITE/NITRATE	15	9	60.00%	510	86.22222222	18	250	5
ONSITE	GW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	73	52	71.23%	9100	2608.846154	540	500	140
ONSITE	GW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	99	88	88.89%	370000	25403.40909	1000	9950	500
ONSITE	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	88	88	100.00%	3550000	857181.8182	112000		
ONSITE	GW	UG/L	HERB	88-85-7	DINOSEB	1						0.023499999	0.023499999
ONSITE	GW	UG/L	HERB	93-72-1	2,4,5-TP (SILVEX)	9						0.023499999	0.01
ONSITE	GW	UG/L	HERB	93-76-5	2,4,5-T	1						0.023499999	0.023499999
ONSITE	GW	UG/L	HERB	94-75-7	2,4-D	9	2	22.22%	1.279999971	0.676999986	0.074000001	0.023499999	0.01
ONSITE	GW	UG/L	OPP	297-97-2	THIONAZIN	1						0.156000003	0.156000003
ONSITE	GW	UG/L	OPP	298-00-0	METHYL PARATHION	1						0.153500006	0.153500006
ONSITE	GW	UG/L	OPP	298-02-2	PHORATE	1						0.155499995	0.155499995
ONSITE	GW	UG/L	OPP	298-04-4	DISULFOTON	1						0.147	0.147
ONSITE	GW	UG/L	OPP	3689-24-5	SULFOTEPP	1						0.157499999	0.157499999
ONSITE	GW	UG/L	OPP	52-85-7	FAMPHUR	1						0.294	0.294
ONSITE	GW	UG/L	OPP	56-38-2	ETHYL PARATHION	1						0.147	0.147
ONSITE	GW	UG/L	OPP	60-51-5	DIMETHOATE	1						0.147499993	0.147499993
ONSITE	GW	UG/L	PCB	11096-82-5	AROCLOR-1260	2						0.25	0.125
ONSITE	GW	UG/L	PCB	11097-69-1	AROCLOR-1254	2						0.25	0.125

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE	GW	UG/L	PCB	11104-28-2	AROCLOR-1221	2						0.25	0.125
ONSITE	GW	UG/L	PCB	11141-16-5	AROCLOR-1232	2						0.25	0.125
ONSITE	GW	UG/L	PCB	12672-29-6	AROCLOR-1248	2						0.25	0.125
ONSITE	GW	UG/L	PCB	12674-11-2	AROCLOR-1016	2						0.25	0.125
ONSITE	GW	UG/L	PCB	53469-21-9	AROCLOR-1242	2	1	50.00%	1.070000052	1.070000052	1.070000052	0.125	0.125
ONSITE	GW	UG/L	PEST	1024-57-3	HEPTACHLOR EPOXIDE	1						0.025	0.025
ONSITE	GW	UG/L	PEST	1031-07-8	ENDOSULFAN SULFATE	1						0.050000001	0.050000001
ONSITE	GW	UG/L	PEST	309-00-2	ALDRIN	1						0.025	0.025
ONSITE	GW	UG/L	PEST	319-84-6	ALPHA-BHC	1						0.0125	0.0125
ONSITE	GW	UG/L	PEST	319-85-7	BETA-BHC	1						0.025	0.025
ONSITE	GW	UG/L	PEST	319-86-8	DELTA-BHC	1						0.025	0.025
ONSITE	GW	UG/L	PEST	33213-65-9	ENDOSULFAN II	1						0.050000001	0.050000001
ONSITE	GW	UG/L	PEST	465-73-6	ISODRIN	1						0.01	0.01
ONSITE	GW	UG/L	PEST	50-29-3	4,4'-DDT	1						0.050000001	0.050000001
ONSITE	GW	UG/L	PEST	5103-71-9	ALPHA-CHLORDANE	1						0.025	0.025
ONSITE	GW	UG/L	PEST	5103-74-2	GAMMA-CHLORDANE	1						0.025	0.025
ONSITE	GW	UG/L	PEST	53494-70-5	ENDRIN KETONE	1						0.050000001	0.050000001
ONSITE	GW	UG/L	PEST	58-89-9	GAMMA-BHC	9						0.0125	0.0125
ONSITE	GW	UG/L	PEST	60-57-1	DIELDRIN	1						0.025	0.025
ONSITE	GW	UG/L	PEST	72-20-8	ENDRIN	9						0.025	0.025
ONSITE	GW	UG/L	PEST	72-43-5	METHOXYCHLOR	9						0.25	0.25
ONSITE	GW	UG/L	PEST	72-54-8	4,4'-DDD	1						0.050000001	0.050000001
ONSITE	GW	UG/L	PEST	72-55-9	4,4'-DDE	1						0.025	0.025
ONSITE	GW	UG/L	PEST	76-44-8	HEPTACHLOR	1						0.025	0.025
ONSITE	GW	UG/L	PEST	8001-35-2	TOXAPHENE	9						0.5	0.5
ONSITE	GW	UG/L	PEST	959-98-8	ENDOSULFAN I	1						0.025	0.025
ONSITE	GW	UG/L	SVOA	100-01-6	4-NITROANILINE	88						25	0.800000012
ONSITE	GW	ug/L	SVOA	100-02-7	4-NITROPHENOL	81						100	0.709999979
ONSITE	GW	UG/L	SVOA	100-51-6	BENZYL ALCOHOL	88	1	1.14%	13.69999981	13.69999981	13.69999981	10	0.850000024
ONSITE	GW	UG/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	90						20	0.221000001
ONSITE	GW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	81	7	8.64%	1100	198.7571429	11.69999981	20	0.675000012
ONSITE	GW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	79	8	10.13%	500	91.62500012	4.300000191	5	0.340000004
ONSITE	GW	UG/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	116						2500	0.234999999
ONSITE	GW	UG/L	SVOA	106-47-8	4-CHLOROANILINE	87						5	1
ONSITE	GW	UG/L	SVOA	108-39-4	M-CRESOL	8						5	5
ONSITE	GW	UG/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	90						10	0.200000003
ONSITE	GW	ug/L	SVOA	108-95-2	PHENOL	108	29	26.85%	700	128.7831034	2.710000038	10	0.275000006
ONSITE	GW	UG/L	SVOA	108-98-5	THIOPHENOL	8						5	5
ONSITE	GW	ug/L	SVOA	110-86-1	PYRIDINE	78						5	1.850000024
ONSITE	GW	UG/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	90						10	0.275000006
ONSITE	GW	UG/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	90						10	0.171499997
ONSITE	GW	UG/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	98	26	26.53%	480	48.24230765	2.299999952	20	1
ONSITE	GW	UG/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	98						20	0.699999988
ONSITE	GW	UG/L	SVOA	118-74-1	HEXACHLOROBENZENE	90						10	0.730000019
ONSITE	GW	UG/L	SVOA	120-12-7	ANTHRACENE	98	1	1.02%	1.100000024	1.100000024	1.100000024	10	0.180000007
ONSITE	GW	UG/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	108						2500	0.25
ONSITE	GW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	73						20	0.254999995
ONSITE	GW	UG/L	SVOA	121-14-2	2,4-DINITROTOLUENE	90						20	0.550000012
ONSITE	GW	UG/L	SVOA	126-68-1	O,O,O-TRIETHYLPHOSPHOROTHOIATE	1						0.156499997	0.156499997
ONSITE	GW	UG/L	SVOA	129-00-0	PYRENE	98						10	0.370000005
ONSITE	GW	UG/L	SVOA	131-11-3	DIMETHYLPHTHALATE	98						10	0.215000004
ONSITE	GW	UG/L	SVOA	132-64-9	DIBENZOFURAN	88						5	0.171499997
ONSITE	GW	UG/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	90						25	0.25999999
ONSITE	GW	UG/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	90						25	0.800000012
ONSITE	GW	UG/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	98						15	0.275000006
ONSITE	GW	UG/L	SVOA	206-44-0	FLUORANTHENE	98						10	0.405000001
ONSITE	GW	UG/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	98						15	0.219999999
ONSITE	GW	UG/L	SVOA	208-96-8	ACENAPHTHYLENE	90						10	0.200000003
ONSITE	GW	UG/L	SVOA	218-01-9	CHRYSENE	98						10	0.74000001
ONSITE	GW	UG/L	SVOA	50-32-8	BENZO(A)PYRENE	98						20	0.25
ONSITE	GW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	81						300	0.680000007
ONSITE	GW	UG/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	98						25	0.275000006
ONSITE	GW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	72						200	0.5
ONSITE	GW	UG/L	SVOA	54-30-0	PHENOLICS	12	7	58.33%	1100	288.5714286	20	8	5
ONSITE	GW	UG/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	116						2500	0.25
ONSITE	GW	UG/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	98						10	0.280000001
ONSITE	GW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	40						5	0.899999976
ONSITE	GW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	73						20	0.36500001

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE	GW	UG/L	SVOA	6-methyl chryse	6-METHYL CHRYSENE	8						5	5
ONSITE	GW	UG/L	SVOA	606-20-2	2,6-DINITROTOLUENE	90						20	0.379999995
ONSITE	GW	UG/L	SVOA	62-75-9	N-NITROSODIMETHYLAMINE	2						15	7.5
ONSITE	GW	UG/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	90						10	0.409999996
ONSITE	GW	UG/L	SVOA	65-85-0	BENZOIC ACID	87	4	4.60%	14	9.599999964	3.700000048	25	0.600000024
ONSITE	GW	UG/L	SVOA	67-72-1	HEXACHLOROETHANE	90						10	0.610000014
ONSITE	GW	UG/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	90						15	0.175999999
ONSITE	GW	UG/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	90						35	0.25
ONSITE	GW	UG/L	SVOA	78-59-1	ISOPHORONE	90						10	0.289999992
ONSITE	GW	UG/L	SVOA	83-32-9	ACENAPHTHENE	90	2	2.22%	3.900000095	3.050000072	2.200000048	10	0.5
ONSITE	GW	UG/L	SVOA	84-66-2	DIETHYLPHTHALATE	98						10	0.425500005
ONSITE	GW	UG/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	98	3	3.06%	5.099999905	3.399999936	2	10	0.425000012
ONSITE	GW	UG/L	SVOA	85-01-8	PHENANTHRENE	98	4	4.08%	41	16.32500005	2	10	0.5
ONSITE	GW	UG/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	98						15	0.488000005
ONSITE	GW	UG/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	90						10	0.5
ONSITE	GW	UG/L	SVOA	86-73-7	FLUORENE	90	5	5.56%	87	30.73999996	7.699999809	10	0.234999999
ONSITE	GW	UG/L	SVOA	87-61-6	1,2,3-TRICHLOROBENZENE	18						2500	0.25
ONSITE	GW	UG/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	108						2500	0.25
ONSITE	GW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	73						100	0.444999993
ONSITE	GW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	73						30	0.294999987
ONSITE	GW	UG/L	SVOA	88-74-4	2-NITROANILINE	88						25	0.453999996
ONSITE	GW	ug/L	SVOA	88-75-5	2-NITROPHENOL	73						20	0.224999994
ONSITE	GW	UG/L	SVOA	90-12-0	1-METHYLNAPHTHALENE	8						5	5
ONSITE	GW	UG/L	SVOA	91-20-3	NAPHTHALENE	139	37	26.62%	2170	186.8972973	1.299999952	2500	0.25
ONSITE	GW	UG/L	SVOA	91-22-5	QUINOLINE	8						5	5
ONSITE	GW	UG/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	88	10	11.36%	78.09999847	22.80999994	2.599999905	5	0.324999988
ONSITE	GW	UG/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	90						10	0.1875
ONSITE	GW	UG/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	90						30	1.284999967
ONSITE	GW	UG/L	SVOA	92-87-5	BENZIDINE	2						50	25
ONSITE	GW	UG/L	SVOA	95-13-6	1H-INDENE	31	5	16.13%	87	27.96000009	2.200000048	5.5	5
ONSITE	GW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	101	10	9.90%	640	78.93000002	3.5	5.5	0.275000006
ONSITE	GW	UG/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	116						2500	0.25
ONSITE	GW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	73						20	0.159999996
ONSITE	GW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	71						5	0.234999999
ONSITE	GW	UG/L	SVOA	98-95-3	NITROBENZENE	90						10	0.294999987
ONSITE	GW	UG/L	SVOA	99-09-2	3-NITROANILINE	88						25	0.649999976
ONSITE	GW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	54	2	3.70%	110	79.5	49	5	3
ONSITE	GW	UG/L	TOTMET	7439-89-6	IRON, TOTAL	133	130	97.74%	651000	38588.09231	120	9.25	9.25
ONSITE	GW	UG/L	TOTMET	7439-92-1	LEAD, TOTAL	134	32	23.88%	142	15.59687492	1.5	2.5	1
ONSITE	GW	UG/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	117	117	100.00%	665000	61189.57265	6710		
ONSITE	GW	UG/L	TOTMET	7439-96-5	MANGANESE, TOTAL	116	115	99.14%	14100	2381.304348	201	1.455000043	1.455000043
ONSITE	GW	UG/L	TOTMET	7439-97-6	MERCURY, TOTAL	125	27	21.60%	15.89999962	2.067407402	0.200000003	0.100000001	0.0085
ONSITE	GW	UG/L	TOTMET	7440-02-0	NICKEL, TOTAL	124	89	71.77%	480	124.0494383	10.30000019	25	0.600000024
ONSITE	GW	UG/L	TOTMET	7440-22-4	SILVER, TOTAL	94	8	8.51%	7	4.300000012	2	5	0.349999994
ONSITE	GW	UG/L	TOTMET	7440-28-0	THALLIUM, TOTAL	8						1000	4.25
ONSITE	GW	UG/L	TOTMET	7440-31-5	TIN, TOTAL	1						38.45000076	38.45000076
ONSITE	GW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	106	3	2.83%	90.80000305	73.63333511	47.70000076	50	1.700000048
ONSITE	GW	UG/L	TOTMET	7440-38-2	ARSENIC, TOTAL	134	50	37.31%	24	9.958000031	2	4.199999809	0.5
ONSITE	GW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	111	93	83.78%	3620	460.3010753	30	0.649999976	0.100000001
ONSITE	GW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	86	1	1.16%	5.199999809	5.199999809	5.199999809	2.5	0.680000007
ONSITE	GW	UG/L	TOTMET	7440-43-9	CADMIUM, TOTAL	132	17	12.88%	10	5.7882353	4	2.5	0.25
ONSITE	GW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	114	33	28.95%	416	138.3909093	15.5	5	0.5
ONSITE	GW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	86	36	41.86%	645	110.8999999	10	15	0.560000002
ONSITE	GW	UG/L	TOTMET	7440-50-8	COPPER, TOTAL	124	51	41.13%	1670	227.6666667	10	20	0.660000026
ONSITE	GW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	106	34	32.08%	1890	314.6882353	11	25	0.100000001
ONSITE	GW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	108	49	45.37%	1510	182.2204081	10	10	5
ONSITE	GW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	108	15	13.89%	57.20000076	12.52000006	2.099999905	12.5	1
ONSITE	GW	UG/L	VOA	100-41-4	ETHYLBENZENE	150	37	24.67%	24700	3373.66973	3.579999924	125000	0.02
ONSITE	GW	UG/L	VOA	100-42-5	STYRENE	134						125000	0.015
ONSITE	GW	UG/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	128						125000	0.02
ONSITE	GW	UG/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	128						125000	0.015
ONSITE	GW	UG/L	VOA	106-43-4	4-CHLOROTOLUENE	18						2500	0.25
ONSITE	GW	UG/L	VOA	106-93-4	1,2-DIBROMOETHANE	26						25000	0.25
ONSITE	GW	UG/L	VOA	107-06-2	1,2-DICHLOROETHANE	136						125000	0.02
ONSITE	GW	UG/L	VOA	108-05-4	VINYL ACETATE	108						250000	0.699999988
ONSITE	GW	UG/L	VOA	108-10-1	4-METHYL-2-PENTANONE	108						250000	0.550000012
ONSITE	GW	UG/L	VOA	108-67-8	1,3,5-TRIMETHYLBENZENE	18						2500	0.25
ONSITE	GW	UG/L	VOA	108-86-1	BROMOBENZENE	18						2500	0.25

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE	GW	UG/L	VOA	108-88-3	TOLUENE	165	42	25.45%	240000	25203.67214	5.340000153	125000	0.01
ONSITE	GW	UG/L	VOA	108-90-7	CHLOROBENZENE	136	6	4.41%	8	2.850000004	1.299999952	125000	0.02
ONSITE	GW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	72						37500	0.625
ONSITE	GW	UG/L	VOA	123-91-1	1,4-DIOXANE	8						125000	25
ONSITE	GW	UG/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	128						125000	0.02
ONSITE	GW	UG/L	VOA	127-18-4	TETRACHLOROETHENE	128						125000	0.035
ONSITE	GW	UG/L	VOA	1330-20-7	XYLENES (TOTAL)	165	60	36.36%	630000	36797.145	0.639999986	30000	0.25
ONSITE	GW	UG/L	VOA	142-28-9	1,3-DICHLOROPROPANE	18						2500	0.25
ONSITE	GW	UG/L	VOA	156-59-2	CIS-1,2-DICHLOROETHENE	18	1	5.56%	1.5	1.5	1.5	2500	0.25
ONSITE	GW	UG/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	90						10000	0.025
ONSITE	GW	UG/L	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	38	1	2.63%	2.200000048	2.200000048	2.200000048	125000	2.5
ONSITE	GW	UG/L	VOA	56-23-5	CARBON TETRACHLORIDE	128						125000	0.035
ONSITE	GW	UG/L	VOA	563-58-6	1,1-DICHLOROPROPENE	18						2500	0.25
ONSITE	GW	UG/L	VOA	591-78-6	2-HEXANONE	108						250000	0.349999994
ONSITE	GW	UG/L	VOA	594-20-7	2,2-DICHLOROPROPANE	18						2500	0.25
ONSITE	GW	UG/L	VOA	630-20-6	1,1,1,2-TETRACHLOROETHANE	18						2500	0.25
ONSITE	GW	UG/L	VOA	67-64-1	ACETONE	108	5	4.63%	250000	66070.8	17	250000	0.850000024
ONSITE	GW	UG/L	VOA	67-66-3	CHLOROFORM	136	1	0.74%	17	17	17	125000	0.02
ONSITE	GW	UG/L	VOA	71-43-2	BENZENE	165	87	52.73%	1700000	195680.8434	0.052999999	125000	0.035
ONSITE	GW	UG/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	127						125000	0.02
ONSITE	GW	UG/L	VOA	74-83-9	BROMOMETHANE	128						250000	0.02
ONSITE	GW	UG/L	VOA	74-87-3	CHLOROMETHANE	128						250000	0.039999999
ONSITE	GW	UG/L	VOA	74-95-3	1,2-DIBROMOMETHANE	18						2500	0.25
ONSITE	GW	UG/L	VOA	74-97-5	BROMOCHLOROMETHANE	18						2500	0.25
ONSITE	GW	UG/L	VOA	75-00-3	CHLOROETHANE	128						250000	0.025
ONSITE	GW	UG/L	VOA	75-01-4	VINYL CHLORIDE	128						250000	0.015
ONSITE	GW	UG/L	VOA	75-09-2	METHYLENE CHLORIDE	128	3	2.34%	50	26.26666641	1	125000	0.079999998
ONSITE	GW	UG/L	VOA	75-15-0	CARBON DISULFIDE	116	1	0.86%	3.400000095	3.400000095	3.400000095	125000	0.354999989
ONSITE	GW	UG/L	VOA	75-25-2	BROMOFORM	128						125000	0.25
ONSITE	GW	UG/L	VOA	75-27-4	BROMODICHLOROMETHANE	128						125000	0.01
ONSITE	GW	UG/L	VOA	75-34-3	1,1-DICHLOROETHANE	128						125000	0.02
ONSITE	GW	UG/L	VOA	75-35-4	1,1-DICHLOROETHENE	128						125000	0.02
ONSITE	GW	UG/L	VOA	75-69-4	TRICHLOROFLUOROMETHANE	20						8000	0.25
ONSITE	GW	UG/L	VOA	75-71-8	DICHLORODIFLUOROMETHANE	18						2500	0.25
ONSITE	GW	UG/L	VOA	78-87-5	1,2-DICHLOROPROPANE	128	2	1.56%	4.5	3.75	3	125000	0.045000002
ONSITE	GW	UG/L	VOA	78-93-3	2-BUTANONE	116						250000	0.449999988
ONSITE	GW	UG/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	127	1	0.79%	4.699999809	4.699999809	4.699999809	125000	0.02
ONSITE	GW	UG/L	VOA	79-01-6	TRICHLOROETHENE	128						125000	0.025
ONSITE	GW	UG/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	127						125000	0.029999999
ONSITE	GW	UG/L	VOA	95-47-6	O-XYLENE	51	16	31.37%	26400	7679.25	1.200000048	2500	0.25
ONSITE	GW	UG/L	VOA	95-49-8	2-CHLOROTOLUENE	18						2500	0.25
ONSITE	GW	UG/L	VOA	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	18						2500	0.25
ONSITE	GW	UG/L	VOA	96-18-4	1,2,3-TRICHLOROPROPANE	18						2500	0.25
ONSITE	GW	UG/L	VTIC	103-65-1	N-PROPYLBENZENE	18	1	5.56%	118	118	118	2500	0.25
ONSITE	GW	UG/L	VTIC	104-51-8	N-BUTYLBENZENE	18	1	5.56%	460	460	460	2500	0.25
ONSITE	GW	UG/L	VTIC	135-98-8	SEC-BUTYLBENZENE	18						2500	0.25
ONSITE	GW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	49	6	12.24%	22.79999924	5.783333222	1.700000048	10000	0.349999994
ONSITE	GW	UG/L	VTIC	95-63-6	1,2,4-TRIMETHYLBENZENE	18	2	11.11%	4065	2627.5	1190	2500	0.25
ONSITE	GW	UG/L	VTIC	98-06-6	TERT-BUTYLBENZENE	18						2500	0.25
ONSITE	GW	UG/L	VTIC	98-82-8	ISOPROPYLBENZENE	18	2	11.11%	3350	1701.6	53.20000076	2500	0.25
ONSITE	GW	UG/L	VTIC	99-87-6	P-ISOPROPYLTOLUENE	18						2500	0.25
ONSITE	GW	ug/l	VTIC	methane	METHANE	35	25	71.43%	770000	32288.88	10	5000	2.5
ONSITE	SB	ug/Kg	GENX	18496-25-8	SULFIDE	2	1	50.00%	465	465	465	129	129
ONSITE	SB	ug/Kg	GENX	57-12-5	CYANIDE	2						250	250
ONSITE	SB	ug/Kg	GENX	7440-09-7	POTASSIUM	2	2	100.00%	753000	723000	693000		
ONSITE	SB	ug/Kg	GENX	7440-23-5	SODIUM	2	2	100.00%	877000	734000	591000		
ONSITE	SB	ug/Kg	GENX	7440-70-2	CALCIUM	2	2	100.00%	32200000	29650000	27100000		
ONSITE	SB	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	2						2840000	2785000
ONSITE	SB	UG/KG	HERB	120-36-5	DICHLORPROP	2						1.144999981	1.144999981
ONSITE	SB	UG/KG	HERB	1918-00-9	DICAMBA	2						1.144999981	1.144999981
ONSITE	SB	UG/KG	HERB	7085-19-0	MCPP	2						23.5	23.45000076
ONSITE	SB	UG/KG	HERB	75-99-0	DALAPON	2	1	50.00%	12.10000038	12.10000038	12.10000038	1.144999981	1.144999981
ONSITE	SB	UG/KG	HERB	88-85-7	DINOSEB	2						1.144999981	1.144999981
ONSITE	SB	UG/KG	HERB	93-72-1	2,4,5-TP (SILVEX)	2						1.144999981	1.144999981
ONSITE	SB	UG/KG	HERB	93-76-5	2,4,5-T	2						1.144999981	1.144999981
ONSITE	SB	UG/KG	HERB	94-74-6	MCPA	2						23.5	23.45000076
ONSITE	SB	UG/KG	HERB	94-75-7	2,4-D	2						1.144999981	1.144999981
ONSITE	SB	UG/KG	HERB	94-82-6	2,4-DB	2						1.144999981	1.144999981
ONSITE	SB	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	1						11.5	11.5

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE	SB	ug/Kg	METALS	7429-90-5	ALUMINUM	2	2	100.00%	13400000	12350000	11300000		
ONSITE	SB	ug/Kg	METALS	7439-89-6	IRON	2	2	100.00%	32100000	30100000	28100000		
ONSITE	SB	ug/Kg	METALS	7439-92-1	LEAD	23	20	86.96%	44000	8816.1	602	23500	23500
ONSITE	SB	ug/Kg	METALS	7439-95-4	MAGNESIUM	2	2	100.00%	9930000	9400000	8870000		
ONSITE	SB	ug/Kg	METALS	7439-96-5	MANGANESE	2	2	100.00%	820000	775000	730000		
ONSITE	SB	ug/Kg	METALS	7439-97-6	MERCURY	23	3	13.04%	291	190	79	100	11
ONSITE	SB	ug/Kg	METALS	7440-02-0	NICKEL	2	2	100.00%	110000	76500	43000		
ONSITE	SB	ug/Kg	METALS	7440-22-4	SILVER	23	13	56.52%	911	740.0769231	526	2450	254.5
ONSITE	SB	ug/Kg	METALS	7440-28-0	THALLIUM	2						142.5	114
ONSITE	SB	ug/Kg	METALS	7440-36-0	ANTIMONY	2	2	100.00%	6000	5300	4600		
ONSITE	SB	ug/Kg	METALS	7440-38-2	ARSENIC	23	19	82.61%	5940	3024.631579	602	45000	555
ONSITE	SB	ug/Kg	METALS	7440-39-3	BARIUM	23	23	100.00%	666000	124134.7826	28700		
ONSITE	SB	ug/Kg	METALS	7440-41-7	BERYLLIUM	2	2	100.00%	1720	1680	1640		
ONSITE	SB	ug/Kg	METALS	7440-43-9	CADMIUM	23	2	8.70%	4450	2470.5	491	1500	146
ONSITE	SB	ug/Kg	METALS	7440-47-3	CHROMIUM	23	20	86.96%	151000	24876	7140	2850	2850
ONSITE	SB	ug/Kg	METALS	7440-48-4	COBALT	2	2	100.00%	17100	16600	16100		
ONSITE	SB	ug/Kg	METALS	7440-50-8	COPPER	2	2	100.00%	80000	73250	66500		
ONSITE	SB	ug/Kg	METALS	7440-62-2	VANADIUM	2	2	100.00%	319000	252500	186000		
ONSITE	SB	ug/Kg	METALS	7440-66-6	ZINC	2	2	100.00%	312000	211500	111000		
ONSITE	SB	ug/Kg	METALS	7782-49-2	SELENIUM	23	1	4.35%	548	548	548	74000	102.5
ONSITE	SB	UG/KG	OPP	107-49-3	TEPP	2						29	28.89999962
ONSITE	SB	UG/KG	OPP	115-90-2	FENSULFOTHION	2						71.5	71.5
ONSITE	SB	UG/KG	OPP	121-75-5	MALATHION	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	13194-48-4	ETHOPROP	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	150-50-5	MERPHOS	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	2104-64-5	EPN	2						28.79999924	28.70000076
ONSITE	SB	UG/KG	OPP	2921-88-2	CHLORPYRIFOS	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	298-00-0	METHYL PARATHION	2						30.04999924	29.95000076
ONSITE	SB	UG/KG	OPP	298-02-2	PHORATE	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	298-04-4	DISULFOTON	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	299-84-3	RONNEL	2						31.79999924	31.70000076
ONSITE	SB	UG/KG	OPP	300-76-5	NALED	2						151.5	151
ONSITE	SB	UG/KG	OPP	333-41-5	DIAZINON	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	35400-43-2	BOLSTAR	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	3689-24-5	SULFOTEPP	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	55-38-9	FENTHION	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	56-38-2	ETHYL PARATHION	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	56-72-4	COUMAPHOS	2						320	319
ONSITE	SB	UG/KG	OPP	60-51-5	DIMETHOATE	2						29.25	29.14999962
ONSITE	SB	UG/KG	OPP	62-73-7	DICHLORVOS	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	6923-22-4	AZODRIN	2						367	365.5
ONSITE	SB	UG/KG	OPP	7786-34-7	MEVINPHOS	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	8065-48-3	DEMETON	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	86-50-0	AZINPHOS METHYL	2						294.5	293.5
ONSITE	SB	UG/KG	OPP	961-11-5	STIROPHOS	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	OPP	tokuthion	TOKUTHION	2						28.79999924	28.70000076
ONSITE	SB	UG/KG	PCB	11096-82-5	AROCLOR-1260	2						285	19
ONSITE	SB	UG/KG	PCB	11097-69-1	AROCLOR-1254	2						285	19
ONSITE	SB	UG/KG	PCB	11104-28-2	AROCLOR-1221	2						285	19
ONSITE	SB	UG/KG	PCB	11141-16-5	AROCLOR-1232	2						285	19
ONSITE	SB	UG/KG	PCB	12672-29-6	AROCLOR-1248	2						285	19
ONSITE	SB	UG/KG	PCB	12674-11-2	AROCLOR-1016	2						284.5	19.04999924
ONSITE	SB	UG/KG	PCB	53469-21-9	AROCLOR-1242	2						285	19
ONSITE	SB	UG/KG	PEST	1024-57-3	HEPTACHLOR EPOXIDE	2						28.45000076	1.904999971
ONSITE	SB	UG/KG	PEST	1031-07-8	ENDOSULFAN SULFATE	2						57	3.809999943
ONSITE	SB	UG/KG	PEST	309-00-2	ALDRIN	2						28.45000076	1.904999971
ONSITE	SB	UG/KG	PEST	319-84-6	ALPHA-BHC	2						14.19999981	0.949999988
ONSITE	SB	UG/KG	PEST	319-85-7	BETA-BHC	2						28.45000076	1.904999971
ONSITE	SB	UG/KG	PEST	319-86-8	DELTA-BHC	2						28.45000076	1.904999971
ONSITE	SB	UG/KG	PEST	33213-65-9	ENDOSULFAN II	2						57	3.809999943
ONSITE	SB	UG/KG	PEST	50-29-3	4,4'-DDT	2						57	3.809999943
ONSITE	SB	UG/KG	PEST	5103-71-9	ALPHA-CHLORDANE	2						28.45000076	1.904999971
ONSITE	SB	UG/KG	PEST	5103-74-2	GAMMA-CHLORDANE	2						28.45000076	1.904999971
ONSITE	SB	UG/KG	PEST	53494-70-5	ENDRIN KETONE	2						57	3.809999943
ONSITE	SB	UG/KG	PEST	58-89-9	GAMMA-BHC	2						14.19999981	0.949999988
ONSITE	SB	UG/KG	PEST	60-57-1	DIELDRIN	2						28.45000076	1.904999971
ONSITE	SB	UG/KG	PEST	72-20-8	ENDRIN	2						28.45000076	1.904999971
ONSITE	SB	UG/KG	PEST	72-43-5	METHOXYCHLOR	2						284.5	19.04999924
ONSITE	SB	UG/KG	PEST	72-54-8	4,4'-DDD	2						57	3.809999943

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE	SB	UG/KG	PEST	72-55-9	4,4'-DDE	2						28.45000076	1.904999971
ONSITE	SB	UG/KG	PEST	76-44-8	HEPTACHLOR	2						28.45000076	1.904999971
ONSITE	SB	UG/KG	PEST	8001-35-2	TOXAPHENE	2						570	38.09999847
ONSITE	SB	UG/KG	PEST	959-98-8	ENDOSULFAN I	2						28.45000076	1.904999971
ONSITE	SB	UG/KG	SVOA	100-01-6	4-NITROANILINE	33						2050	80
ONSITE	SB	UG/KG	SVOA	100-02-7	4-NITROPHENOL	2						285	285
ONSITE	SB	UG/KG	SVOA	100-51-6	BENZYL ALCOHOL	33						1800	75
ONSITE	SB	UG/KG	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	33						1800	75
ONSITE	SB	UG/KG	SVOA	105-67-9	2,4-DIMETHYLPHENOL	2						285	285
ONSITE	SB	UG/KG	SVOA	106-44-5	4-METHYLPHENOL	2						80	80
ONSITE	SB	UG/KG	SVOA	106-46-7	1,4-DICHLOROBENZENE	38						1000	5
ONSITE	SB	UG/KG	SVOA	106-47-8	4-CHLOROANILINE	33						3850	155
ONSITE	SB	UG/KG	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	108-95-2	PHENOL	2						80	80
ONSITE	SB	UG/KG	SVOA	110-86-1	PYRIDINE	4						7.5	7.5
ONSITE	SB	UG/KG	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	33	1	3.03%	470	470	470	1300	50
ONSITE	SB	UG/KG	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	33						1800	75
ONSITE	SB	UG/KG	SVOA	118-74-1	HEXACHLOROBENZENE	38						1300	10
ONSITE	SB	UG/KG	SVOA	120-12-7	ANTHRACENE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	33						1300	50
ONSITE	SB	UG/KG	SVOA	120-83-2	2,4-DICHLOROPHENOL	2						80	80
ONSITE	SB	UG/KG	SVOA	121-14-2	2,4-DINITROTOLUENE	38						1800	10
ONSITE	SB	UG/KG	SVOA	129-00-0	PYRENE	33	1	3.03%	110	110	110	1000	36.5
ONSITE	SB	UG/KG	SVOA	131-11-3	DIMETHYLPHTHALATE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	132-64-9	DIBENZOFURAN	33						1550	65
ONSITE	SB	UG/KG	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	33	2	6.06%	3400	2050	700	2050	85
ONSITE	SB	UG/KG	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	33	1	3.03%	380	380	380	2050	85
ONSITE	SB	UG/KG	SVOA	205-99-2	BENZO(B)FLUORANTHENE	33	3	9.09%	650	340	160	1300	50
ONSITE	SB	UG/KG	SVOA	206-44-0	FLUORANTHENE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	207-08-9	BENZO(K)FLUORANTHENE	33						1300	50
ONSITE	SB	UG/KG	SVOA	208-96-8	ACENAPHTHYLENE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	218-01-9	CHRYSENE	33	3	9.09%	530	283.3333333	150	1300	50
ONSITE	SB	UG/KG	SVOA	327-98-0	TRICHLORONATE	2						28.64999962	28.54999924
ONSITE	SB	UG/KG	SVOA	50-32-8	BENZO(A)PYRENE	33	1	3.03%	260	260	260	1800	75
ONSITE	SB	UG/KG	SVOA	51-28-5	2,4-DINITROPHENOL	2						800	800
ONSITE	SB	UG/KG	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	33						2050	85
ONSITE	SB	UG/KG	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	2						550	550
ONSITE	SB	UG/KG	SVOA	541-73-1	1,3-DICHLOROBENZENE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	56-55-3	BENZO(A)ANTHRACENE	33						1300	50
ONSITE	SB	UG/KG	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	2						80	80
ONSITE	SB	UG/KG	SVOA	606-20-2	2,6-DINITROTOLUENE	33						1800	75
ONSITE	SB	UG/KG	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	33						1300	50
ONSITE	SB	UG/KG	SVOA	65-85-0	BENZOIC ACID	33						11000	155
ONSITE	SB	UG/KG	SVOA	67-72-1	HEXACHLOROETHANE	38						1300	7.5
ONSITE	SB	UG/KG	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	33						1300	50
ONSITE	SB	UG/KG	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	33						13000	500
ONSITE	SB	UG/KG	SVOA	78-59-1	ISOPHORONE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	83-32-9	ACENAPHTHENE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	84-66-2	DIETHYLPHTHALATE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	85-01-8	PHENANTHRENE	33	4	12.12%	630	247.5	120	1000	36.5
ONSITE	SB	UG/KG	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	33						1300	50
ONSITE	SB	UG/KG	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	86-73-7	FLUORENE	33	2	6.06%	250	190	130	1000	36.5
ONSITE	SB	UG/KG	SVOA	87-68-3	HEXACHLOROBUTADIENE	38						1800	10
ONSITE	SB	UG/KG	SVOA	87-86-5	PENTACHLOROPHENOL	2						285	285
ONSITE	SB	UG/KG	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	2						170	170
ONSITE	SB	UG/KG	SVOA	88-74-4	2-NITROANILINE	33						2050	80
ONSITE	SB	UG/KG	SVOA	88-75-5	2-NITROPHENOL	2						80	80
ONSITE	SB	UG/KG	SVOA	91-20-3	NAPHTHALENE	33	3	9.09%	4200	2236.666667	210	1000	36.5
ONSITE	SB	UG/KG	SVOA	91-57-6	2-METHYLNAPHTHALENE	33	4	12.12%	3200	1632.5	130	1300	50
ONSITE	SB	UG/KG	SVOA	91-58-7	2-CHLORONAPHTHALENE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	33						6500	260
ONSITE	SB	UG/KG	SVOA	95-48-7	2-METHYLPHENOL	2						80	80
ONSITE	SB	UG/KG	SVOA	95-50-1	1,2-DICHLOROBENZENE	33						1000	36.5
ONSITE	SB	UG/KG	SVOA	95-57-8	2-CHLOROPHENOL	2						80	80
ONSITE	SB	UG/KG	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	2						170	170

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE	SB	UG/KG	SVOA	98-95-3	NITROBENZENE	38						1000	5
ONSITE	SB	UG/KG	SVOA	99-09-2	3-NITROANILINE	33						3850	155
ONSITE	SB	ug/Kg	TPH	394894-30-0	DIESEL RANGE ORGANICS	2	2	100.00%	130000	107000	84000		
ONSITE	SB	UG/KG	TPH	3999176-70-0	GASOLINE RANGE ORGANICS	2	2	100.00%	54000	32500	11000		
ONSITE	SB	UG/KG	VOA	100-41-4	ETHYLBENZENE	78	27	34.62%	230000	46897.25926	56	17500	2.599999905
ONSITE	SB	UG/KG	VOA	100-42-5	STYRENE	73						17500	2.5
ONSITE	SB	UG/KG	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	73						17500	2.5
ONSITE	SB	UG/KG	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	73						17500	2.5
ONSITE	SB	UG/KG	VOA	107-06-2	1,2-DICHLOROETHANE	78						17500	1.25
ONSITE	SB	UG/KG	VOA	108-05-4	VINYL ACETATE	73						31000	2.599999905
ONSITE	SB	UG/KG	VOA	108-10-1	4-METHYL-2-PENTANONE	73						35000	5
ONSITE	SB	UG/KG	VOA	108-88-3	TOLUENE	78	18	23.08%	170000	55877.77778	2600	17500	2.5
ONSITE	SB	UG/KG	VOA	108-90-7	CHLOROBENZENE	78						17500	0.699999988
ONSITE	SB	UG/KG	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	73						35000	2.5
ONSITE	SB	UG/KG	VOA	124-48-1	DIBROMOCHLOROMETHANE	73						17500	2.5
ONSITE	SB	UG/KG	VOA	127-18-4	TETRACHLOROETHENE	78						17500	0.949999988
ONSITE	SB	UG/KG	VOA	1330-20-7	XYLENES (TOTAL)	78	32	41.03%	1100000	249997.4063	13	380	2.599999905
ONSITE	SB	UG/KG	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	73						17500	2.5
ONSITE	SB	UG/KG	VOA	56-23-5	CARBON TETRACHLORIDE	78						17500	1.299999952
ONSITE	SB	UG/KG	VOA	591-78-6	2-HEXANONE	73						35000	5
ONSITE	SB	UG/KG	VOA	67-64-1	ACETONE	73	43	58.90%	25000	2854.511628	12	62500	6
ONSITE	SB	UG/KG	VOA	67-66-3	CHLOROFORM	78	3	3.85%	6.400000095	5.899999936	5.099999905	17500	1.25
ONSITE	SB	UG/KG	VOA	71-43-2	BENZENE	83	26	31.33%	570000	86054.06538	3.700000048	17500	0.5
ONSITE	SB	UG/KG	VOA	71-55-6	1,1,1-TRICHLOROETHANE	73	1	1.37%	16	16	16	17500	2.5
ONSITE	SB	UG/KG	VOA	74-83-9	BROMOMETHANE	73						17500	2.599999905
ONSITE	SB	UG/KG	VOA	74-87-3	CHLOROMETHANE	73						17500	2.599999905
ONSITE	SB	UG/KG	VOA	75-00-3	CHLOROETHANE	73						35000	2.599999905
ONSITE	SB	UG/KG	VOA	75-01-4	VINYL CHLORIDE	78						17500	2.299999952
ONSITE	SB	UG/KG	VOA	75-09-2	METHYLENE CHLORIDE	73	7	9.59%	37	12.4571429	5.5	17500	2.5
ONSITE	SB	UG/KG	VOA	75-15-0	CARBON DISULFIDE	73						17500	2.5
ONSITE	SB	UG/KG	VOA	75-25-2	BROMOFORM	73						17500	2.5
ONSITE	SB	UG/KG	VOA	75-27-4	BROMODICHLOROMETHANE	73						17500	2.5
ONSITE	SB	UG/KG	VOA	75-34-3	1,1-DICHLOROETHANE	73						17500	2.5
ONSITE	SB	UG/KG	VOA	75-35-4	1,1-DICHLOROETHENE	78						17500	1.600000024
ONSITE	SB	UG/KG	VOA	78-87-5	1,2-DICHLOROPROPANE	73						17500	2.5
ONSITE	SB	UG/KG	VOA	78-93-3	2-BUTANONE	78	2	2.56%	43	35	27	35000	5
ONSITE	SB	UG/KG	VOA	79-00-5	1,1,2-TRICHLOROETHANE	73	1	1.37%	21000	21000	21000	17500	2.5
ONSITE	SB	UG/KG	VOA	79-01-6	TRICHLOROETHENE	78						17500	1.5
ONSITE	SB	UG/KG	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	73						17500	2.5
ONSITE	SB	ug/kg	VOA	95-47-6	O-XYLENE	1	1	100.00%	161000	161000	161000		
ONSITE	SB	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	1						48	48
ONSITE	SD	ug/Kg	GENX	ST-00630	NITRITE/NITRATE	6	6	100.00%	33510784	9828538.792	410		
ONSITE	SD	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	6	6	100.00%	1.52E+11	47530017947	5500000		
ONSITE	SD	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	3	1	33.33%	775	775	775	75	75
ONSITE	SD	ug/Kg	METALS	7439-92-1	LEAD	10	10	100.00%	351000	126490	32600		
ONSITE	SD	ug/Kg	METALS	7439-97-6	MERCURY	10	10	100.00%	6880	2780.9	135		
ONSITE	SD	ug/Kg	METALS	7440-22-4	SILVER	10						4250	296
ONSITE	SD	ug/Kg	METALS	7440-38-2	ARSENIC	10	10	100.00%	26600	7459	2370		
ONSITE	SD	ug/Kg	METALS	7440-39-3	BARIUM	10	10	100.00%	325000	189830	90300		
ONSITE	SD	ug/Kg	METALS	7440-43-9	CADMIUM	10	5	50.00%	8670	3728	2170	3450	1120
ONSITE	SD	ug/Kg	METALS	7440-47-3	CHROMIUM	10	10	100.00%	3090000	1021250	75500		
ONSITE	SD	ug/Kg	METALS	7782-49-2	SELENIUM	10	8	80.00%	12700	4522.875	575	318.5	291
ONSITE	SD	UG/KG	SVOA	100-01-6	4-NITROANILINE	7						13500	1250
ONSITE	SD	UG/KG	SVOA	100-51-6	BENZYL ALCOHOL	7						12000	1100
ONSITE	SD	UG/KG	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	13						12000	230
ONSITE	SD	UG/KG	SVOA	106-46-7	1,4-DICHLOROBENZENE	15						7000	5
ONSITE	SD	UG/KG	SVOA	106-47-8	4-CHLOROANILINE	7						25500	2400
ONSITE	SD	UG/KG	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	13						7000	115
ONSITE	SD	UG/KG	SVOA	110-86-1	PYRIDINE	2						7.5	7.5
ONSITE	SD	UG/KG	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	13						7000	115
ONSITE	SD	UG/KG	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	13						7000	115
ONSITE	SD	UG/KG	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	13	2	15.38%	3800	2900	2000	8500	165
ONSITE	SD	UG/KG	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	13						12000	230
ONSITE	SD	UG/KG	SVOA	118-74-1	HEXACHLOROBENZENE	15						8500	10
ONSITE	SD	UG/KG	SVOA	120-12-7	ANTHRACENE	13	2	15.38%	810	640	470	7000	115
ONSITE	SD	UG/KG	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	13						8500	165
ONSITE	SD	UG/KG	SVOA	121-14-2	2,4-DINITROTOLUENE	15						12000	10
ONSITE	SD	UG/KG	SVOA	122-66-7	1,2-DIPHENYLHYDRAZINE	6						7000	165
ONSITE	SD	UG/KG	SVOA	129-00-0	PYRENE	13	4	30.77%	20000	6480	420	7000	115

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE	SD	UG/KG	SVOA	131-11-3	DIMETHYLPHTHALATE	13						7000	115
ONSITE	SD	UG/KG	SVOA	132-64-9	DIBENZOFURAN	7						10500	950
ONSITE	SD	UG/KG	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	13	5	38.46%	56000	22580	1200	13500	265
ONSITE	SD	UG/KG	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	13	2	15.38%	7400	6650	5900	13500	265
ONSITE	SD	UG/KG	SVOA	205-99-2	BENZO(B)FLUORANTHENE	13	7	53.85%	18000	5885.714286	2500	8500	165
ONSITE	SD	UG/KG	SVOA	206-44-0	FLUORANTHENE	13	2	15.38%	850	765	680	7000	115
ONSITE	SD	UG/KG	SVOA	207-08-9	BENZO(K)FLUORANTHENE	13						8500	165
ONSITE	SD	UG/KG	SVOA	208-96-8	ACENAPHTHYLENE	13						7000	115
ONSITE	SD	UG/KG	SVOA	218-01-9	CHRYSENE	13	7	53.85%	13000	6800	2500	8500	165
ONSITE	SD	UG/KG	SVOA	50-32-8	BENZO(A)PYRENE	13	4	30.77%	10000	3632.5	530	12000	230
ONSITE	SD	UG/KG	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	13						13500	265
ONSITE	SD	UG/KG	SVOA	541-73-1	1,3-DICHLOROBENZENE	13						7000	115
ONSITE	SD	UG/KG	SVOA	56-55-3	BENZO(A)ANTHRACENE	13	1	7.69%	1800	1800	1800	8500	165
ONSITE	SD	UG/KG	SVOA	606-20-2	2,6-DINITROTOLUENE	13						12000	230
ONSITE	SD	UG/KG	SVOA	62-75-9	N-NITROSODIMETHYLAMINE	6						7000	165
ONSITE	SD	UG/KG	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	13						8500	165
ONSITE	SD	UG/KG	SVOA	65-85-0	BENZOIC ACID	7						70000	6500
ONSITE	SD	UG/KG	SVOA	67-72-1	HEXACHLOROETHANE	15						8500	7.5
ONSITE	SD	UG/KG	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	13						8500	165
ONSITE	SD	UG/KG	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	13						85000	1650
ONSITE	SD	UG/KG	SVOA	78-59-1	ISOPHORONE	13						7000	115
ONSITE	SD	UG/KG	SVOA	83-32-9	ACENAPHTHENE	13						7000	115
ONSITE	SD	UG/KG	SVOA	84-66-2	DIETHYLPHTHALATE	13						7000	115
ONSITE	SD	UG/KG	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	13						7000	115
ONSITE	SD	UG/KG	SVOA	85-01-8	PHENANTHRENE	13	9	69.23%	30000	9303.333333	330	7000	150
ONSITE	SD	UG/KG	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	13						8500	165
ONSITE	SD	UG/KG	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	13						7000	115
ONSITE	SD	UG/KG	SVOA	86-73-7	FLUORENE	13	8	61.54%	10000	4925	1300	7000	150
ONSITE	SD	UG/KG	SVOA	87-68-3	HEXACHLOROBUTADIENE	15						12000	10
ONSITE	SD	UG/KG	SVOA	88-74-4	2-NITROANILINE	7						13500	1250
ONSITE	SD	UG/KG	SVOA	91-20-3	NAPHTHALENE	13	1	7.69%	7700	7700	7700	7000	115
ONSITE	SD	UG/KG	SVOA	91-57-6	2-METHYLNAPHTHALENE	7	1	14.29%	9200	9200	9200	8500	800
ONSITE	SD	UG/KG	SVOA	91-58-7	2-CHLORONAPHTHALENE	13						7000	115
ONSITE	SD	UG/KG	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	13						42500	800
ONSITE	SD	UG/KG	SVOA	92-87-5	BENZIDINE	6						140000	3300
ONSITE	SD	UG/KG	SVOA	95-50-1	1,2-DICHLOROBENZENE	13						7000	115
ONSITE	SD	UG/KG	SVOA	98-95-3	NITROBENZENE	15						7000	5
ONSITE	SD	UG/KG	SVOA	99-09-2	3-NITROANILINE	7						25500	2400
ONSITE	SD	UG/KG	VOA	100-41-4	ETHYLBENZENE	13	3	23.08%	32000	13813.33333	340	3700	8
ONSITE	SD	UG/KG	VOA	100-42-5	STYRENE	13						3650	7
ONSITE	SD	UG/KG	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	13						2600	7
ONSITE	SD	UG/KG	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	13						3300	7
ONSITE	SD	UG/KG	VOA	107-06-2	1,2-DICHLOROETHANE	15						1750	1.25
ONSITE	SD	UG/KG	VOA	108-05-4	VINYL ACETATE	13						11000	8.5
ONSITE	SD	UG/KG	VOA	108-10-1	4-METHYL-2-PENTANONE	13						6000	14.5
ONSITE	SD	UG/KG	VOA	108-88-3	TOLUENE	13						3100	7
ONSITE	SD	UG/KG	VOA	108-90-7	CHLOROBENZENE	15						3100	0.699999988
ONSITE	SD	UG/KG	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	13						5000	7
ONSITE	SD	UG/KG	VOA	124-48-1	DIBROMOCHLOROMETHANE	13						1600	7
ONSITE	SD	UG/KG	VOA	127-18-4	TETRACHLOROETHENE	15						2100	0.949999988
ONSITE	SD	UG/KG	VOA	1330-20-7	XYLENES (TOTAL)	13	3	23.08%	100000	40353.33333	60	8000	8
ONSITE	SD	UG/KG	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	13						1250	7
ONSITE	SD	UG/KG	VOA	56-23-5	CARBON TETRACHLORIDE	15						2250	1.299999952
ONSITE	SD	UG/KG	VOA	591-78-6	2-HEXANONE	13						11000	14.5
ONSITE	SD	UG/KG	VOA	67-64-1	ACETONE	13	10	76.92%	2200	871.9	270	55000	1500
ONSITE	SD	UG/KG	VOA	67-66-3	CHLOROFORM	15	2	13.33%	5.099999905	5.099999905	5.099999905	1150	7
ONSITE	SD	UG/KG	VOA	71-43-2	BENZENE	15	3	20.00%	49000	16340.86667	2.599999905	2250	0.5
ONSITE	SD	UG/KG	VOA	71-55-6	1,1,1-TRICHLOROETHANE	13						1950	7
ONSITE	SD	UG/KG	VOA	74-83-9	BROMOMETHANE	13						3000	8.5
ONSITE	SD	UG/KG	VOA	74-87-3	CHLOROMETHANE	13						3200	8.5
ONSITE	SD	UG/KG	VOA	75-00-3	CHLOROETHANE	13						4250	8.5
ONSITE	SD	UG/KG	VOA	75-01-4	VINYL CHLORIDE	15						3700	2.299999952
ONSITE	SD	UG/KG	VOA	75-09-2	METHYLENE CHLORIDE	13						10500	7
ONSITE	SD	UG/KG	VOA	75-15-0	CARBON DISULFIDE	13	4	30.77%	270	121.5	21	2250	7
ONSITE	SD	UG/KG	VOA	75-25-2	BROMOFORM	13						2400	7
ONSITE	SD	UG/KG	VOA	75-27-4	BROMODICHLOROMETHANE	13						1150	7
ONSITE	SD	UG/KG	VOA	75-34-3	1,1-DICHLOROETHANE	13						2400	7
ONSITE	SD	UG/KG	VOA	75-35-4	1,1-DICHLOROETHENE	15						2050	1.600000024
ONSITE	SD	UG/KG	VOA	78-87-5	1,2-DICHLOROPROPANE	13						3100	7

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE	SD	UG/KG	VOA	78-93-3	2-BUTANONE	15	1	6.67%	77	77	77	24500	5
ONSITE	SD	UG/KG	VOA	79-00-5	1,1,2-TRICHLOROETHANE	13						2600	7
ONSITE	SD	UG/KG	VOA	79-01-6	TRICHLOROETHENE	15						1250	1.5
ONSITE	SD	UG/KG	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	13						2100	7
ONSITE	SS	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	5	1	20.00%	50	50	50	5	5
ONSITE	SS	ug/Kg	METALS	7439-92-1	LEAD	16	15	93.75%	163000	47168.6	759	23500	23500
ONSITE	SS	ug/Kg	METALS	7439-97-6	MERCURY	16	6	37.50%	527	242.1666667	83	100	18
ONSITE	SS	ug/Kg	METALS	7440-22-4	SILVER	16	5	31.25%	5300	1632.4	612	2450	230.5
ONSITE	SS	ug/Kg	METALS	7440-38-2	ARSENIC	16	12	75.00%	3160	2071.666667	475	45000	45000
ONSITE	SS	ug/Kg	METALS	7440-39-3	BARIUM	16	13	81.25%	1140000	214107.6923	11100	550	42.5
ONSITE	SS	ug/Kg	METALS	7440-43-9	CADMIUM	16	6	37.50%	4100	1125.166667	347	1500	141
ONSITE	SS	ug/Kg	METALS	7440-47-3	CHROMIUM	21	17	80.95%	1720000	221339.4118	2000	2850	2850
ONSITE	SS	ug/Kg	METALS	7440-66-6	ZINC	2	2	100.00%	1300000	1032000	764000		
ONSITE	SS	ug/Kg	METALS	7782-49-2	SELENIUM	16	7	43.75%	875	599.1428571	211	74000	103.5
ONSITE	SS	UG/KG	SVOA	100-01-6	4-NITROANILINE	7						420	85
ONSITE	SS	UG/KG	SVOA	100-51-6	BENZYL ALCOHOL	7						370	75
ONSITE	SS	UG/KG	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	7						370	75
ONSITE	SS	UG/KG	SVOA	106-46-7	1,4-DICHLOROBENZENE	7						210	42
ONSITE	SS	UG/KG	SVOA	106-47-8	4-CHLOROANILINE	7						800	160
ONSITE	SS	UG/KG	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	7						210	42
ONSITE	SS	UG/KG	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	7						210	42
ONSITE	SS	UG/KG	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	7						210	42
ONSITE	SS	UG/KG	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	7	3	42.86%	210	160	120	265	55
ONSITE	SS	UG/KG	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	7						370	75
ONSITE	SS	UG/KG	SVOA	118-74-1	HEXACHLOROBENZENE	7						265	55
ONSITE	SS	UG/KG	SVOA	120-12-7	ANTHRACENE	7						210	42
ONSITE	SS	UG/KG	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	7						265	55
ONSITE	SS	UG/KG	SVOA	121-14-2	2,4-DINITROTOLUENE	7						370	75
ONSITE	SS	UG/KG	SVOA	129-00-0	PYRENE	7	1	14.29%	440	440	440	50	42
ONSITE	SS	UG/KG	SVOA	131-11-3	DIMETHYLPHTHALATE	7						210	42
ONSITE	SS	UG/KG	SVOA	132-64-9	DIBENZOFURAN	7						315	65
ONSITE	SS	UG/KG	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	7	3	42.86%	1600	1116.666667	450	105	85
ONSITE	SS	UG/KG	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	7	1	14.29%	260	260	260	420	85
ONSITE	SS	UG/KG	SVOA	205-99-2	BENZO(B)FLUORANTHENE	7	2	28.57%	2400	1345	290	65	55
ONSITE	SS	UG/KG	SVOA	206-44-0	FLUORANTHENE	7	1	14.29%	740	740	740	50	42
ONSITE	SS	UG/KG	SVOA	207-08-9	BENZO(K)FLUORANTHENE	7						265	55
ONSITE	SS	UG/KG	SVOA	208-96-8	ACENAPHTHYLENE	7						210	42
ONSITE	SS	UG/KG	SVOA	218-01-9	CHRYSENE	7	2	28.57%	3400	1825	250	65	55
ONSITE	SS	UG/KG	SVOA	50-32-8	BENZO(A)PYRENE	7	1	14.29%	1300	1300	1300	90	75
ONSITE	SS	UG/KG	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	7						420	85
ONSITE	SS	UG/KG	SVOA	541-73-1	1,3-DICHLOROBENZENE	7						210	42
ONSITE	SS	UG/KG	SVOA	56-55-3	BENZO(A)ANTHRACENE	7						265	55
ONSITE	SS	UG/KG	SVOA	606-20-2	2,6-DINITROTOLUENE	7						370	75
ONSITE	SS	UG/KG	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	7						265	55
ONSITE	SS	UG/KG	SVOA	65-85-0	BENZOIC ACID	7						2200	445
ONSITE	SS	UG/KG	SVOA	67-72-1	HEXACHLOROETHANE	7						265	55
ONSITE	SS	UG/KG	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	7						265	55
ONSITE	SS	UG/KG	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	7						2650	550
ONSITE	SS	UG/KG	SVOA	78-59-1	ISOPHORONE	7						210	42
ONSITE	SS	UG/KG	SVOA	83-32-9	ACENAPHTHENE	7						210	42
ONSITE	SS	UG/KG	SVOA	84-66-2	DIETHYLPHTHALATE	7						210	42
ONSITE	SS	UG/KG	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	7						210	42
ONSITE	SS	UG/KG	SVOA	85-01-8	PHENANTHRENE	7	2	28.57%	5200	2680	160	50	43
ONSITE	SS	UG/KG	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	7						265	55
ONSITE	SS	UG/KG	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	7						210	42
ONSITE	SS	UG/KG	SVOA	86-73-7	FLUORENE	7	1	14.29%	1400	1400	1400	50	42
ONSITE	SS	UG/KG	SVOA	87-68-3	HEXACHLOROBUTADIENE	7						370	75
ONSITE	SS	UG/KG	SVOA	88-74-4	2-NITROANILINE	7						420	85
ONSITE	SS	UG/KG	SVOA	91-20-3	NAPHTHALENE	7						210	42
ONSITE	SS	UG/KG	SVOA	91-57-6	2-METHYLNAPHTHALENE	7						265	55
ONSITE	SS	UG/KG	SVOA	91-58-7	2-CHLORONAPHTHALENE	7						210	42
ONSITE	SS	UG/KG	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	7						1300	265
ONSITE	SS	UG/KG	SVOA	95-50-1	1,2-DICHLOROBENZENE	7						210	42
ONSITE	SS	UG/KG	SVOA	98-95-3	NITROBENZENE	7						210	42
ONSITE	SS	UG/KG	SVOA	99-09-2	3-NITROANILINE	7						800	160
ONSITE	SS	ug/Kg	VOA	100-41-4	ETHYLBENZENE	5	1	20.00%	110	110	110	2.5	2.5
ONSITE	SS	ug/Kg	VOA	100-42-5	STYRENE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5						2.5	2.5

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE	SS	ug/Kg	VOA	107-06-2	1,2-DICHLOROETHANE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	108-05-4	VINYL ACETATE	5						25	25
ONSITE	SS	ug/Kg	VOA	108-10-1	4-METHYL-2-PENTANONE	5						25	25
ONSITE	SS	ug/Kg	VOA	108-88-3	TOLUENE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	108-90-7	CHLOROBENZENE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	127-18-4	TETRACHLOROETHENE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	1330-20-7	XYLENES (TOTAL)	5	2	40.00%	19	13	7	2.5	2.5
ONSITE	SS	ug/Kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	56-23-5	CARBON TETRACHLORIDE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	591-78-6	2-HEXANONE	5						25	25
ONSITE	SS	ug/Kg	VOA	67-64-1	ACETONE	5						50	50
ONSITE	SS	ug/Kg	VOA	67-66-3	CHLOROFORM	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	71-43-2	BENZENE	5	5	100.00%	69	37.8	5		
ONSITE	SS	ug/Kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	74-83-9	BROMOMETHANE	5						5	5
ONSITE	SS	ug/Kg	VOA	74-87-3	CHLOROMETHANE	5						5	5
ONSITE	SS	ug/Kg	VOA	75-00-3	CHLOROETHANE	5						5	5
ONSITE	SS	ug/Kg	VOA	75-01-4	VINYL CHLORIDE	5						5	5
ONSITE	SS	ug/Kg	VOA	75-09-2	METHYLENE CHLORIDE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	75-15-0	CARBON DISULFIDE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	75-25-2	BROMOFORM	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	75-27-4	BROMODICHLOROMETHANE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	75-34-3	1,1-DICHLOROETHANE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	75-35-4	1,1-DICHLOROETHENE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	78-87-5	1,2-DICHLOROPROPANE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	78-93-3	2-BUTANONE	5						25	25
ONSITE	SS	ug/Kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	79-01-6	TRICHLOROETHENE	5						2.5	2.5
ONSITE	SS	ug/Kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	5						2.5	2.5
ONSITE_JE	GW	UG/L	DISMET	7439-92-1	LEAD, DISSOLVED	2						2.5	2.5
ONSITE_JE	GW	UG/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	2	2	100.00%	3900	1975	50		
ONSITE_JE	GW	UG/L	DISMET	7439-97-6	MERCURY, DISSOLVED	2						0.100000001	0.100000001
ONSITE_JE	GW	UG/L	DISMET	7440-02-0	NICKEL, DISSOLVED	2						15	10
ONSITE_JE	GW	UG/L	DISMET	7440-22-4	SILVER, DISSOLVED	2						0.5	0.5
ONSITE_JE	GW	UG/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	2						0.5	0.5
ONSITE_JE	GW	UG/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	2						1	1
ONSITE_JE	GW	UG/L	DISMET	7440-50-8	COPPER, DISSOLVED	2						5	5
ONSITE_JE	GW	ug/L	GENX	1-00-3	CHLORIDE	3	3	100.00%	25100	19066.66667	14700		
ONSITE_JE	GW	ug/L	GENX	18496-25-8	SULFIDE	1						25	25
ONSITE_JE	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	1	1	100.00%	170	170	170		
ONSITE_JE	GW	ug/L	GENX	25-90-0	NITRATE AS N	3	3	100.00%	460	336.6666667	100		
ONSITE_JE	GW	ug/L	GENX	3-03-5	SULFATE	3	2	66.67%	14500	9385	4270	2500	2500
ONSITE_JE	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	2						5000	5000
ONSITE_JE	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	3	3	100.00%	308000	235666.6667	185000		
ONSITE_JE	GW	ug/L	GENX	57-12-5	CYANIDE	1						5	5
ONSITE_JE	GW	UG/L	GENX	7440-09-7	POTASSIUM	3	2	66.67%	2150	1470	790	2500	2500
ONSITE_JE	GW	ug/L	GENX	7440-23-5	SODIUM	3	3	100.00%	33480	31626.66667	29200		
ONSITE_JE	GW	ug/L	GENX	7440-70-2	CALCIUM	1	1	100.00%	40600	40600	40600		
ONSITE_JE	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	2	1	50.00%	1120	1120	1120	10	10
ONSITE_JE	GW	ug/L	GENX	7727-37-9	NITROGEN, TOTAL	2	2	100.00%	2600	1850	1100		
ONSITE_JE	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	2	2	100.00%	400000	346000	292000		
ONSITE_JE	GW	UG/L	HERB	88-85-7	DINOSEB	1						0.023499999	0.023499999
ONSITE_JE	GW	UG/L	HERB	93-72-1	2,4,5-TP (SILVEX)	1						0.023499999	0.023499999
ONSITE_JE	GW	UG/L	HERB	93-76-5	2,4,5-T	1						0.023499999	0.023499999
ONSITE_JE	GW	UG/L	HERB	94-75-7	2,4-D	1						0.023499999	0.023499999
ONSITE_JE	GW	UG/L	OPP	297-97-2	THIONAZIN	1						0.156000003	0.156000003
ONSITE_JE	GW	UG/L	OPP	298-00-0	METHYL PARATHION	1						0.153500006	0.153500006
ONSITE_JE	GW	UG/L	OPP	298-02-2	PHORATE	1						0.155499995	0.155499995
ONSITE_JE	GW	UG/L	OPP	298-04-4	DISULFOTON	1						0.147	0.147
ONSITE_JE	GW	UG/L	OPP	3689-24-5	SULFOTEPP	1						0.157499999	0.157499999
ONSITE_JE	GW	UG/L	OPP	52-85-7	FAMPHUR	1						0.294	0.294
ONSITE_JE	GW	UG/L	OPP	56-38-2	ETHYL PARATHION	1						0.147	0.147
ONSITE_JE	GW	UG/L	OPP	60-51-5	DIMETHOATE	1						0.147499993	0.147499993
ONSITE_JE	GW	UG/L	PCB	11096-82-5	AROCLOR-1260	1						0.25	0.25
ONSITE_JE	GW	UG/L	PCB	11097-69-1	AROCLOR-1254	1						0.25	0.25
ONSITE_JE	GW	UG/L	PCB	11104-28-2	AROCLOR-1221	1						0.25	0.25
ONSITE_JE	GW	UG/L	PCB	11141-16-5	AROCLOR-1232	1						0.25	0.25

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE_JE	GW	UG/L	PCB	12672-29-6	AROCLOR-1248	1						0.25	0.25
ONSITE_JE	GW	UG/L	PCB	12674-11-2	AROCLOR-1016	1						0.25	0.25
ONSITE_JE	GW	UG/L	PCB	53469-21-9	AROCLOR-1242	1						0.25	0.25
ONSITE_JE	GW	UG/L	PEST	1024-57-3	HEPTACHLOR EPOXIDE	1						0.025	0.025
ONSITE_JE	GW	UG/L	PEST	1031-07-8	ENDOSULFAN SULFATE	1						0.050000001	0.050000001
ONSITE_JE	GW	UG/L	PEST	2303-16-4	DIALLATE	1						0.5	0.5
ONSITE_JE	GW	UG/L	PEST	309-00-2	ALDRIN	1						0.025	0.025
ONSITE_JE	GW	UG/L	PEST	319-84-6	ALPHA-BHC	1						0.0125	0.0125
ONSITE_JE	GW	UG/L	PEST	319-85-7	BETA-BHC	1						0.025	0.025
ONSITE_JE	GW	UG/L	PEST	319-86-8	DELTA-BHC	1						0.025	0.025
ONSITE_JE	GW	UG/L	PEST	33213-65-9	ENDOSULFAN II	1						0.050000001	0.050000001
ONSITE_JE	GW	UG/L	PEST	465-73-6	ISODRIN	1						0.01	0.01
ONSITE_JE	GW	UG/L	PEST	50-29-3	4,4'-DDT	1						0.050000001	0.050000001
ONSITE_JE	GW	UG/L	PEST	510-15-6	CHLOROBENZILATE	1						0.5	0.5
ONSITE_JE	GW	UG/L	PEST	5103-71-9	ALPHA-CHLORDANE	1						0.025	0.025
ONSITE_JE	GW	UG/L	PEST	5103-74-2	GAMMA-CHLORDANE	1						0.025	0.025
ONSITE_JE	GW	UG/L	PEST	53494-70-5	ENDRIN KETONE	1						0.050000001	0.050000001
ONSITE_JE	GW	UG/L	PEST	58-89-9	GAMMA-BHC	1						0.0125	0.0125
ONSITE_JE	GW	UG/L	PEST	60-57-1	DIELDRIN	1						0.025	0.025
ONSITE_JE	GW	UG/L	PEST	72-20-8	ENDRIN	1						0.025	0.025
ONSITE_JE	GW	UG/L	PEST	72-43-5	METHOXYCHLOR	1						0.25	0.25
ONSITE_JE	GW	UG/L	PEST	72-54-8	4,4'-DDD	1						0.050000001	0.050000001
ONSITE_JE	GW	UG/L	PEST	72-55-9	4,4'-DDE	1						0.025	0.025
ONSITE_JE	GW	UG/L	PEST	76-44-8	HEPTACHLOR	1						0.025	0.025
ONSITE_JE	GW	UG/L	PEST	8001-35-2	TOXAPHENE	1						0.5	0.5
ONSITE_JE	GW	UG/L	PEST	959-98-8	ENDOSULFAN I	1						0.025	0.025
ONSITE_JE	GW	UG/L	SVOA	100-01-6	4-NITROANILINE	5						25	1
ONSITE_JE	GW	UG/L	SVOA	100-02-7	4-NITROPHENOL	1						5	5
ONSITE_JE	GW	UG/L	SVOA	100-51-6	BENZYL ALCOHOL	5						5	1
ONSITE_JE	GW	UG/L	SVOA	100-75-4	N-NITROSOPIPERIDINE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	1						1	1
ONSITE_JE	GW	UG/L	SVOA	10595-95-6	N-NITROSOMETHYLETHYLAMINE	1						1	1
ONSITE_JE	GW	UG/L	SVOA	106-44-5	4-METHYLPHENOL	1						1	1
ONSITE_JE	GW	UG/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	7						50	0.25
ONSITE_JE	GW	UG/L	SVOA	106-47-8	4-CHLOROANILINE	4						5	1
ONSITE_JE	GW	UG/L	SVOA	106-50-3	1,4-BENZENEDIAMINE	1						15	15
ONSITE_JE	GW	UG/L	SVOA	108-39-4	M-CRESOL	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	108-95-2	PHENOL	1						1	1
ONSITE_JE	GW	UG/L	SVOA	109-06-8	2-PICOLINE	1						1	1
ONSITE_JE	GW	UG/L	SVOA	110-86-1	PYRIDINE	1						5	5
ONSITE_JE	GW	UG/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	5						5	0.75
ONSITE_JE	GW	UG/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5	1	20.00%	11	11	11	8.5	1
ONSITE_JE	GW	UG/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	5						5	1.200000048
ONSITE_JE	GW	UG/L	SVOA	118-74-1	HEXACHLOROBENZENE	5						5	1
ONSITE_JE	GW	UG/L	SVOA	119-93-7	3,3'-DIMETHYLBENZIDINE	1						0.75	0.75
ONSITE_JE	GW	UG/L	SVOA	120-12-7	ANTHRACENE	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	120-58-1	ISOSAFROLE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	7						50	0.25
ONSITE_JE	GW	UG/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	1						1	1
ONSITE_JE	GW	UG/L	SVOA	121-14-2	2,4-DINITROTOLUENE	5						5	1
ONSITE_JE	GW	UG/L	SVOA	122-09-8	A,A-DIMETHYLPHENETHYLAMINE	1						5.5	5.5
ONSITE_JE	GW	UG/L	SVOA	122-39-4	DIPHENYLAMINE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	126-68-1	O,O,O-TRIETHYLPHOSPHOROTHOIATE	1						0.156499997	0.156499997
ONSITE_JE	GW	UG/L	SVOA	129-00-0	PYRENE	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	130-15-4	1,4-NAPHTHOQUINONE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	131-11-3	DIMETHYLPHTHALATE	5						5	1
ONSITE_JE	GW	UG/L	SVOA	132-64-9	DIBENZOFURAN	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	134-32-7	1-NAPHTHYLAMINE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	140-57-8	ARAMITE	1						1	1
ONSITE_JE	GW	UG/L	SVOA	1888-71-7	HEXACHLOROPROPENE	1						2	2
ONSITE_JE	GW	UG/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	5						5	1.25
ONSITE_JE	GW	UG/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	5						5	1.25
ONSITE_JE	GW	UG/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	5						5	0.75
ONSITE_JE	GW	UG/L	SVOA	206-44-0	FLUORANTHENE	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	5						5	0.75
ONSITE_JE	GW	UG/L	SVOA	208-96-8	ACENAPHTHYLENE	5						5	0.5

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE_JE	GW	UG/L	SVOA	218-01-9	CHRYSENE	5						5	0.75
ONSITE_JE	GW	UG/L	SVOA	23950-58-5	PRONAMIDE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	50-32-8	BENZO(A)PYRENE	5						5	1
ONSITE_JE	GW	UG/L	SVOA	51-28-5	2,4-DINITROPHENOL	1						15	15
ONSITE_JE	GW	UG/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	5						5	1.25
ONSITE_JE	GW	UG/L	SVOA	53-96-3	2-ACETYLAMINOFLUORENE	1						0.75	0.75
ONSITE_JE	GW	UG/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	1						10	10
ONSITE_JE	GW	UG/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	7						50	0.25
ONSITE_JE	GW	UG/L	SVOA	55-18-5	N-NITROSODIETHYLAMINE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	56-49-5	3-METHYLCHOLANTHRENE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	5						5	0.75
ONSITE_JE	GW	UG/L	SVOA	56-57-5	4-NITROQUINOLINE 1-OXIDE	1						13	13
ONSITE_JE	GW	UG/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	58-90-2	2,3,4,6-TETRACHLOROPHENOL	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	1						0.75	0.75
ONSITE_JE	GW	UG/L	SVOA	59-89-2	N-NITROSOMORPHOLINE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	60-11-7	P-DIMETHYLAMINO AZOBENZENE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	606-20-2	2,6-DINITROTOLUENE	5						5	1
ONSITE_JE	GW	UG/L	SVOA	608-93-5	PENTACHLOROBENZENE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	62-44-2	PHENACETIN	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	62-50-0	ETHYL METHANESULFONATE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	62-53-3	ANILINE	1						1	1
ONSITE_JE	GW	UG/L	SVOA	62-75-9	N-NITROSODIMETHYLAMINE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	65-85-0	BENZOIC ACID	4	1	25.00%	14	14	14	25	2.5
ONSITE_JE	GW	UG/L	SVOA	66-27-3	METHYL METHANESULFONATE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	67-72-1	HEXACHLOROETHANE	5						5	0.75
ONSITE_JE	GW	UG/L	SVOA	70-30-4	HEXACHLOROPHENE	1						100	100
ONSITE_JE	GW	UG/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	76-01-7	PENTACHLOROETHANE	1						2.5	2.5
ONSITE_JE	GW	UG/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	5						7	5
ONSITE_JE	GW	UG/L	SVOA	78-59-1	ISOPHORONE	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	82-68-8	PENTACHLORONITROBENZENE	1						1	1
ONSITE_JE	GW	UG/L	SVOA	83-32-9	ACENAPHTHENE	5	1	20.00%	2.200000048	2.200000048	2.200000048	5	0.5
ONSITE_JE	GW	UG/L	SVOA	84-66-2	DIETHYLPHTHALATE	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	85-01-8	PHENANTHRENE	5	1	20.00%	2	2	2	5	0.5
ONSITE_JE	GW	UG/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	5						5	0.75
ONSITE_JE	GW	UG/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	86-73-7	FLUORENE	5	1	20.00%	7.699999809	7.699999809	7.699999809	5	0.5
ONSITE_JE	GW	UG/L	SVOA	87-61-6	1,2,3-TRICHLOROBENZENE	2						50	0.25
ONSITE_JE	GW	UG/L	SVOA	87-65-0	2,6-DICHLOROPHENOL	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	7						50	0.25
ONSITE_JE	GW	UG/L	SVOA	87-86-5	PENTACHLOROPHENOL	1						5	5
ONSITE_JE	GW	UG/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	1						2.25	2.25
ONSITE_JE	GW	UG/L	SVOA	88-74-4	2-NITROANILINE	5						25	1
ONSITE_JE	GW	UG/L	SVOA	88-75-5	2-NITROPHENOL	1						1	1
ONSITE_JE	GW	UG/L	SVOA	91-20-3	NAPHTHALENE	7	1	14.29%	9.399999619	9.399999619	9.399999619	50	0.25
ONSITE_JE	GW	UG/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	5	1	20.00%	2.599999905	2.599999905	2.599999905	5	0.5
ONSITE_JE	GW	UG/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	91-59-8	2-NAPHTHYLAMINE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	91-80-5	METHAPYRILENE	1						27.5	27.5
ONSITE_JE	GW	UG/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	5						10	2.5
ONSITE_JE	GW	UG/L	SVOA	92-67-1	4-AMINOBIPHENYL	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	924-16-3	N-NITROSO-DI-N-BUTYLAMINE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	930-55-2	N-NITROSOPYRROLIDINE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	94-59-7	SAFROLE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	95-48-7	2-METHYLPHENOL	1						1	1
ONSITE_JE	GW	UG/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	7						50	0.25
ONSITE_JE	GW	UG/L	SVOA	95-53-4	O-TOLUIDINE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	95-57-8	2-CHLOROPHENOL	1						1	1
ONSITE_JE	GW	UG/L	SVOA	95-94-3	1,2,4,5-TETRACHLOROBENZENE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	1						1.5	1.5
ONSITE_JE	GW	UG/L	SVOA	98-86-2	ACETOPHENONE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	98-95-3	NITROBENZENE	5						5	0.5
ONSITE_JE	GW	UG/L	SVOA	99-09-2	3-NITROANILINE	5						25	1
ONSITE_JE	GW	UG/L	SVOA	99-35-4	1,3,5-TRINITROBENZENE	1						1	1
ONSITE_JE	GW	UG/L	SVOA	99-55-8	5-NITRO-O-TOLUIDINE	1						0.5	0.5
ONSITE_JE	GW	UG/L	SVOA	99-65-0	1,3-DINITROBENZENE	1						0.75	0.75

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE_JE	GW	UG/L	TOTMET	7439-89-6	IRON, TOTAL	3	3	100.00%	117000	56126.66667	6270		
ONSITE_JE	GW	UG/L	TOTMET	7439-92-1	LEAD, TOTAL	4	2	50.00%	8.399999619	5.499999762	2.599999905	2.5	2.5
ONSITE_JE	GW	UG/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	3	3	100.00%	42400	32753.33333	26880		
ONSITE_JE	GW	UG/L	TOTMET	7439-96-5	MANGANESE, TOTAL	2	2	100.00%	4250	3015	1780		
ONSITE_JE	GW	UG/L	TOTMET	7439-97-6	MERCURY, TOTAL	4						0.100000001	0.100000001
ONSITE_JE	GW	UG/L	TOTMET	7440-02-0	NICKEL, TOTAL	3	1	33.33%	22.29999924	22.29999924	22.29999924	25	10
ONSITE_JE	GW	UG/L	TOTMET	7440-22-4	SILVER, TOTAL	4	1	25.00%	6.400000095	6.400000095	6.400000095	2.5	0.5
ONSITE_JE	GW	UG/L	TOTMET	7440-28-0	THALLIUM, TOTAL	1						0.850000024	0.850000024
ONSITE_JE	GW	UG/L	TOTMET	7440-31-5	TIN, TOTAL	1						38.45000076	38.45000076
ONSITE_JE	GW	UG/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	1						18.75	18.75
ONSITE_JE	GW	UG/L	TOTMET	7440-38-2	ARSENIC, TOTAL	4	1	25.00%	1.5	1.5	1.5	0.949999988	0.5
ONSITE_JE	GW	UG/L	TOTMET	7440-39-3	BARIUM, TOTAL	2	2	100.00%	3620	1923.5	227		
ONSITE_JE	GW	UG/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	1						1.25	1.25
ONSITE_JE	GW	UG/L	TOTMET	7440-43-9	CADMIUM, TOTAL	4	1	25.00%	4	4	4	1.950000048	1
ONSITE_JE	GW	UG/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	2	2	100.00%	194	120.4500008	46.90000153		
ONSITE_JE	GW	UG/L	TOTMET	7440-48-4	COBALT, TOTAL	1	1	100.00%	29.5	29.5	29.5		
ONSITE_JE	GW	UG/L	TOTMET	7440-50-8	COPPER, TOTAL	3	3	100.00%	114	78	20		
ONSITE_JE	GW	UG/L	TOTMET	7440-62-2	VANADIUM, TOTAL	1	1	100.00%	171	171	171		
ONSITE_JE	GW	UG/L	TOTMET	7440-66-6	ZINC, TOTAL	1	1	100.00%	111	111	111		
ONSITE_JE	GW	UG/L	TOTMET	7782-49-2	SELENIUM, TOTAL	2	1	50.00%	10.5	10.5	10.5	1	1
ONSITE_JE	GW	UG/L	VOA	100-41-4	ETHYLBENZENE	11	2	18.18%	97	68	39	50	0.25
ONSITE_JE	GW	UG/L	VOA	100-42-5	STYRENE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	106-43-4	4-CHLOROTOLUENE	2						50	0.25
ONSITE_JE	GW	UG/L	VOA	106-93-4	1,2-DIBROMOETHANE	3						50	0.25
ONSITE_JE	GW	UG/L	VOA	107-02-8	ACROLEIN	1						50	50
ONSITE_JE	GW	UG/L	VOA	107-05-1	3-CHLOROPROPENE	1						2.5	2.5
ONSITE_JE	GW	UG/L	VOA	107-06-2	1,2-DICHLOROETHANE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	107-12-0	PROPIONITRILE	1						2.5	2.5
ONSITE_JE	GW	UG/L	VOA	107-13-1	ACRYLONITRILE	1						50	50
ONSITE_JE	GW	UG/L	VOA	108-05-4	VINYL ACETATE	9						50	5
ONSITE_JE	GW	UG/L	VOA	108-10-1	4-METHYL-2-PENTANONE	9						50	5
ONSITE_JE	GW	UG/L	VOA	108-67-8	1,3,5-TRIMETHYLBENZENE	2						50	0.25
ONSITE_JE	GW	UG/L	VOA	108-86-1	BROMOBENZENE	2						50	0.25
ONSITE_JE	GW	UG/L	VOA	108-88-3	TOLUENE	11	1	9.09%	150	150	150	50	0.25
ONSITE_JE	GW	UG/L	VOA	108-90-7	CHLOROBENZENE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	110-57-6	TRANS-1,4-DICHLORO-2-BUTENE	1						2.5	2.5
ONSITE_JE	GW	UG/L	VOA	123-91-1	1,4-DIOXANE	1						1000	1000
ONSITE_JE	GW	UG/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	126-98-7	METHACRYLONITRILE	1						2.5	2.5
ONSITE_JE	GW	UG/L	VOA	126-99-8	CHLOROPRENE	1						5	5
ONSITE_JE	GW	UG/L	VOA	127-18-4	TETRACHLOROETHENE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	1330-20-7	XYLENES (TOTAL)	11	3	27.27%	310	106.1266666	1.679999948	50	2.5
ONSITE_JE	GW	UG/L	VOA	142-28-9	1,3-DICHLOROPROPANE	2						50	0.25
ONSITE_JE	GW	UG/L	VOA	156-59-2	CIS-1,2-DICHLOROETHENE	2						50	0.25
ONSITE_JE	GW	UG/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	2						50	0.25
ONSITE_JE	GW	UG/L	VOA	25321-22-6	DICHLOROBENZENE	1						2.5	2.5
ONSITE_JE	GW	UG/L	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	9						25	2.5
ONSITE_JE	GW	UG/L	VOA	56-23-5	CARBON TETRACHLORIDE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	563-58-6	1,1-DICHLOROPROPENE	2						50	0.25
ONSITE_JE	GW	UG/L	VOA	591-78-6	2-HEXANONE	9						50	5
ONSITE_JE	GW	UG/L	VOA	594-20-7	2,2-DICHLOROPROPANE	2						50	0.25
ONSITE_JE	GW	UG/L	VOA	630-20-6	1,1,1,2-TETRACHLOROETHANE	3						50	0.25
ONSITE_JE	GW	UG/L	VOA	67-64-1	ACETONE	9	1	11.11%	18	18	18	50	5
ONSITE_JE	GW	UG/L	VOA	67-66-3	CHLOROFORM	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	71-43-2	BENZENE	11	2	18.18%	2200	1650	1100	2.5	1.054999948
ONSITE_JE	GW	UG/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	10						50	0.25
ONSITE_JE	GW	UG/L	VOA	74-83-9	BROMOMETHANE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	74-87-3	CHLOROMETHANE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	74-88-4	IODOMETHANE	1						2.5	2.5
ONSITE_JE	GW	UG/L	VOA	74-95-3	1,2-DIBROMOMETHANE	3						50	0.25
ONSITE_JE	GW	UG/L	VOA	74-97-5	BROMOCHLOROMETHANE	2						50	0.25
ONSITE_JE	GW	UG/L	VOA	75-00-3	CHLOROETHANE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	75-01-4	VINYL CHLORIDE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	75-05-8	ACETONITRILE	1						500	500
ONSITE_JE	GW	UG/L	VOA	75-09-2	METHYLENE CHLORIDE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	75-15-0	CARBON DISULFIDE	9	1	11.11%	3.400000095	3.400000095	3.400000095	25	2.5
ONSITE_JE	GW	UG/L	VOA	75-25-2	BROMOFORM	11						50	0.25

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
ONSITE_JE	GW	UG/L	VOA	75-27-4	BROMODICHLOROMETHANE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	75-34-3	1,1-DICHLOROETHANE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	75-35-4	1,1-DICHLOROETHENE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	75-69-4	TRICHLOROFLUOROMETHANE	3						50	0.25
ONSITE_JE	GW	UG/L	VOA	75-71-8	DICHLORODIFLUOROMETHANE	3						50	0.25
ONSITE_JE	GW	UG/L	VOA	78-83-1	ISOBUTANOL	1						2000	2000
ONSITE_JE	GW	UG/L	VOA	78-87-5	1,2-DICHLOROPROPANE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	78-93-3	2-BUTANONE	9						50	5
ONSITE_JE	GW	UG/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	10						50	0.25
ONSITE_JE	GW	UG/L	VOA	79-01-6	TRICHLOROETHENE	11						50	0.25
ONSITE_JE	GW	UG/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	10						50	0.25
ONSITE_JE	GW	UG/L	VOA	80-62-6	METHYL METHACRYLATE	1						2.5	2.5
ONSITE_JE	GW	UG/L	VOA	95-47-6	O-XYLENE	2						50	0.25
ONSITE_JE	GW	UG/L	VOA	95-49-8	2-CHLOROTOLUENE	2						50	0.25
ONSITE_JE	GW	UG/L	VOA	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	3						50	0.25
ONSITE_JE	GW	UG/L	VOA	96-18-4	1,2,3-TRICHLOROPROPANE	3						50	0.25
ONSITE_JE	GW	UG/L	VOA	97-63-2	ETHYL METHACRYLATE	1						2.5	2.5
ONSITE_JE	GW	UG/L	VTIC	103-65-1	N-PROPYLBENZENE	2						50	0.25
ONSITE_JE	GW	UG/L	VTIC	104-51-8	N-BUTYLBENZENE	2						50	0.25
ONSITE_JE	GW	UG/L	VTIC	135-98-8	SEC-BUTYLBENZENE	2						50	0.25
ONSITE_JE	GW	UG/L	VTIC	95-63-6	1,2,4-TRIMETHYLBENZENE	2						50	0.25
ONSITE_JE	GW	UG/L	VTIC	98-06-6	TERT-BUTYLBENZENE	2						50	0.25
ONSITE_JE	GW	UG/L	VTIC	98-82-8	ISOPROPYLBENZENE	2						50	0.25
ONSITE_JE	GW	UG/L	VTIC	99-87-6	P-ISOPROPYLTOLUENE	2						50	0.25
PRASA	GW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	5						5	3
PRASA	GW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	9	8	88.89%	8400	1452.5	62	9.25	9.25
PRASA	GW	ug/L	DISMET	7439-92-1	LEAD, DISSOLVED	9	2	22.22%	1.5	1.449999988	1.399999976	1.5	1.100000024
PRASA	GW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	9	9	100.00%	86500	46155.55556	21300		
PRASA	GW	ug/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	9	9	100.00%	3600	1491.555556	340		
PRASA	GW	ug/L	DISMET	7439-97-6	MERCURY, DISSOLVED	9						0.100000001	0.028999999
PRASA	GW	ug/L	DISMET	7440-02-0	NICKEL, DISSOLVED	9	1	11.11%	8.699999809	8.699999809	8.699999809	20	0.600000024
PRASA	GW	ug/L	DISMET	7440-22-4	SILVER, DISSOLVED	5						0.904999971	0.349999994
PRASA	GW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	9						5	1.700000048
PRASA	GW	ug/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	9	3	33.33%	21.5	9.900000016	1.799999952	3.299999952	1.549999952
PRASA	GW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	9	9	100.00%	1400	714.8888889	222		
PRASA	GW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	9						2.5	0.680000007
PRASA	GW	ug/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	9						2.5	0.25
PRASA	GW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	9						5	0.5
PRASA	GW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	9	1	11.11%	2.200000048	2.200000048	2.200000048	5	0.560000002
PRASA	GW	ug/L	DISMET	7440-50-8	COPPER, DISSOLVED	9						5	0.660000026
PRASA	GW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	9	2	22.22%	6.800000191	4.500000119	2.200000048	5	0.100000001
PRASA	GW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	9	9	100.00%	257	137.1111111	42.20000076		
PRASA	GW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	9	1	11.11%	7.400000095	7.400000095	7.400000095	60	2.244999886
PRASA	GW	ug/L	GENX	1-00-3	CHLORIDE	9	9	100.00%	540000	180277.7778	39200		
PRASA	GW	ug/L	GENX	18496-25-8	SULFIDE	7	5	71.43%	2000	529.6	28	25	25
PRASA	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	9	6	66.67%	360	138.1666667	16	25	6.5
PRASA	GW	ug/L	GENX	25-90-0	NITRATE AS N	9	1	11.11%	120	120	120	50	6.5
PRASA	GW	ug/L	GENX	3-03-5	SULFATE	9	9	100.00%	184000	43222.22222	1400		
PRASA	GW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	9	9	100.00%	603000	368777.7778	36000		
PRASA	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	9						2500	1250
PRASA	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	9	9	100.00%	603000	368777.7778	36000		
PRASA	GW	ug/L	GENX	7440-09-7	POTASSIUM	5	5	100.00%	23600	9830	3910		
PRASA	GW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	9	9	100.00%	7320	2950.222222	512		
PRASA	GW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	4	4	100.00%	19100	6735	640		
PRASA	GW	ug/L	GENX	7440-23-5	SODIUM	5	5	100.00%	278000	124900	49600		
PRASA	GW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	9	9	100.00%	207000	86711.11111	34200		
PRASA	GW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	4	4	100.00%	101000	57750	32900		
PRASA	GW	ug/L	GENX	7440-70-2	CALCIUM	5	5	100.00%	145000	106060	64000		
PRASA	GW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	9	9	100.00%	150000	96877.77778	58800		
PRASA	GW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	4	4	100.00%	261000	144575	73300		
PRASA	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	4	4	100.00%	1500	608	41		
PRASA	GW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	5	3	60.00%	2100	806.6666667	130	35	28.99999809
PRASA	GW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	9	6	66.67%	690	257.6666667	66	50	6.25
PRASA	GW	ug/L	GENX	nitrite as N	NITRITE AS N	9						50	6.25
PRASA	GW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	5	5	100.00%	4700000	1115200	39000		
PRASA	GW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	5	5	100.00%	1800000	1396800	164000		
PRASA	GW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	9	5	55.56%	1400	748	320	250	147
PRASA	GW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	9	9	100.00%	11700	3388.888889	1200		
PRASA	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	9	9	100.00%	1670000	932444.4444	433000		

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
PRASA	GW	ug/L	SVOA	100-01-6	4-NITROANILINE	9						25	0.800000012
PRASA	GW	ug/L	SVOA	100-02-7	4-NITROPHENOL	9						25	0.709999979
PRASA	GW	ug/L	SVOA	100-51-6	BENZYL ALCOHOL	9						5	0.850000024
PRASA	GW	ug/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	9						5	0.221000001
PRASA	GW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	9						5	0.675000012
PRASA	GW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	9						5	0.340000004
PRASA	GW	ug/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	9						5	0.234999999
PRASA	GW	ug/L	SVOA	106-47-8	4-CHLOROANILINE	9						5	1.149999976
PRASA	GW	ug/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	9						5	0.200000003
PRASA	GW	ug/L	SVOA	108-95-2	PHENOL	9	3	33.33%	130	71.66666667	41	5	0.275000006
PRASA	GW	ug/L	SVOA	110-86-1	PYRIDINE	9						10	1.850000024
PRASA	GW	ug/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	9						5	0.275000006
PRASA	GW	ug/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	9						5	0.171499997
PRASA	GW	ug/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	9	3	33.33%	16.79999924	7.499999682	2.099999905	36.20000076	5
PRASA	GW	ug/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	9						5	0.699999988
PRASA	GW	ug/L	SVOA	118-74-1	HEXACHLOROBENZENE	9						5	0.850000024
PRASA	GW	ug/L	SVOA	120-12-7	ANTHRACENE	9						5	0.180000007
PRASA	GW	ug/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	9						5	0.535000026
PRASA	GW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	9						5	0.254999995
PRASA	GW	ug/L	SVOA	121-14-2	2,4-DINITROTOLUENE	9						5	0.550000012
PRASA	GW	ug/L	SVOA	129-00-0	PYRENE	9						5	0.370000005
PRASA	GW	ug/L	SVOA	131-11-3	DIMETHYLPHTHALATE	9						5	0.215000004
PRASA	GW	ug/L	SVOA	132-64-9	DIBENZOFURAN	9						5	0.171499997
PRASA	GW	ug/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	9						5	0.25999999
PRASA	GW	ug/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	9						5	0.800000012
PRASA	GW	ug/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	9						5	0.275000006
PRASA	GW	ug/L	SVOA	206-44-0	FLUORANTHENE	9						5	0.405000001
PRASA	GW	ug/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	9						5	0.219999999
PRASA	GW	ug/L	SVOA	208-96-8	ACENAPHTHYLENE	9						5	0.200000003
PRASA	GW	ug/L	SVOA	218-01-9	CHRYSENE	9						5	0.949999988
PRASA	GW	ug/L	SVOA	50-32-8	BENZO(A)PYRENE	9						5	0.25
PRASA	GW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	9						25	0.680000007
PRASA	GW	ug/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	9						5	0.275000006
PRASA	GW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	9						25	0.5
PRASA	GW	ug/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	9						5	0.270000011
PRASA	GW	ug/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	9						5	0.280000001
PRASA	GW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	5						3.049999952	0.899999976
PRASA	GW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	9						5	0.36500001
PRASA	GW	ug/L	SVOA	606-20-2	2,6-DINITROTOLUENE	9						5	0.379999995
PRASA	GW	ug/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	9						5	0.409999996
PRASA	GW	ug/L	SVOA	65-85-0	BENZOIC ACID	9						25	1.25
PRASA	GW	ug/L	SVOA	67-72-1	HEXACHLOROETHANE	9						5	0.649999976
PRASA	GW	ug/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	9						5	0.175999999
PRASA	GW	ug/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	9						25	0.25
PRASA	GW	ug/L	SVOA	78-59-1	ISOPHORONE	9						5	0.289999992
PRASA	GW	ug/L	SVOA	83-32-9	ACENAPHTHENE	9						5	0.904999971
PRASA	GW	ug/L	SVOA	84-66-2	DIETHYLPHTHALATE	9						5	0.425500005
PRASA	GW	ug/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	9	2	22.22%	7.099999905	4.299999952	1.5	5	1
PRASA	GW	ug/L	SVOA	85-01-8	PHENANTHRENE	9						5	0.949999988
PRASA	GW	ug/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	9						5	0.488000005
PRASA	GW	ug/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	9						5	0.850000024
PRASA	GW	ug/L	SVOA	86-73-7	FLUORENE	9						5	0.234999999
PRASA	GW	ug/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	9						5	0.529999971
PRASA	GW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	9						25	0.444999993
PRASA	GW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	9						5	0.294999987
PRASA	GW	ug/L	SVOA	88-74-4	2-NITROANILINE	9						25	0.453999996
PRASA	GW	ug/L	SVOA	88-75-5	2-NITROPHENOL	9						5	0.224999994
PRASA	GW	ug/L	SVOA	91-20-3	NAPHTHALENE	9	2	22.22%	8	7.400000095	6.800000191	5	0.36500001
PRASA	GW	ug/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	9						5	0.324999988
PRASA	GW	ug/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	9						5	0.1875
PRASA	GW	ug/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	9						25	1.284999967
PRASA	GW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	9						5	0.275000006
PRASA	GW	ug/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	9						5	0.275000006
PRASA	GW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	9						5	0.159999996
PRASA	GW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	9						5	0.234999999
PRASA	GW	ug/L	SVOA	98-95-3	NITROBENZENE	9						5	0.294999987
PRASA	GW	ug/L	SVOA	99-09-2	3-NITROANILINE	9						25	0.649999976
PRASA	GW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	9						5	3
PRASA	GW	ug/L	TOTMET	7439-89-6	IRON, TOTAL	9	9	100.00%	690000	131645.5556	2300		

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
PRASA	GW	ug/L	TOTMET	7439-92-1	LEAD, TOTAL	9	3	33.33%	27	17.76666673	13	1.5	1.330000043
PRASA	GW	ug/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	9	9	100.00%	250000	78333.33333	28600		
PRASA	GW	ug/L	TOTMET	7439-96-5	MANGANESE, TOTAL	9	9	100.00%	13800	3683.333333	458		
PRASA	GW	ug/L	TOTMET	7439-97-6	MERCURY, TOTAL	9	2	22.22%	0.230000004	0.142500002	0.055	0.100000001	0.0085
PRASA	GW	ug/L	TOTMET	7440-02-0	NICKEL, TOTAL	9	4	44.44%	110	49.30000037	2.299999952	20	2.625
PRASA	GW	ug/L	TOTMET	7440-22-4	SILVER, TOTAL	4						0.904999971	0.904999971
PRASA	GW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	9	1	11.11%	63.90000153	63.90000153	63.90000153	5	2.50999999
PRASA	GW	ug/L	TOTMET	7440-38-2	ARSENIC, TOTAL	9	4	44.44%	18.20000076	8.225000203	1.700000048	2.5	2.220000029
PRASA	GW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	9	9	100.00%	2300	649.1111111	120		
PRASA	GW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	9	1	11.11%	3.299999952	3.299999952	3.299999952	2.5	0.680000007
PRASA	GW	ug/L	TOTMET	7440-43-9	CADMIUM, TOTAL	9	2	22.22%	15.39999962	9.199999809	3	2.5	0.555000007
PRASA	GW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	9	5	55.56%	180	63.96000001	1.100000024	2.220000029	2.220000029
PRASA	GW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	9	4	44.44%	250	111.975	1.899999976	5	0.560000002
PRASA	GW	ug/L	TOTMET	7440-50-8	COPPER, TOTAL	9	5	55.56%	1600	542.3200001	15	5.300000191	0.660000026
PRASA	GW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	9	5	55.56%	1800	655.5	5.5	0.774999976	0.774999976
PRASA	GW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	9	6	66.67%	1000	458.1166666	4.699999809	16	6.849999905
PRASA	GW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	9	3	33.33%	11	8.76666673	4.800000191	12.5	2.244999886
PRASA	GW	ug/L	VOA	100-41-4	ETHYLBENZENE	9						200	0.02
PRASA	GW	ug/L	VOA	100-42-5	STYRENE	9						200	0.015
PRASA	GW	ug/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	9						200	0.02
PRASA	GW	ug/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	9						200	0.015
PRASA	GW	ug/L	VOA	107-06-2	1,2-DICHLOROETHANE	9						200	0.02
PRASA	GW	ug/L	VOA	108-05-4	VINYL ACETATE	9						400	0.699999988
PRASA	GW	ug/L	VOA	108-10-1	4-METHYL-2-PENTANONE	9						1000	0.550000012
PRASA	GW	ug/L	VOA	108-88-3	TOLUENE	9	1	11.11%	210	210	210	125	0.01
PRASA	GW	ug/L	VOA	108-90-7	CHLOROBENZENE	9						200	0.02
PRASA	GW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	9						400	1
PRASA	GW	ug/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	9						200	0.02
PRASA	GW	ug/L	VOA	127-18-4	TETRACHLOROETHENE	9						200	0.035
PRASA	GW	ug/L	VOA	1330-20-7	XYLENES (TOTAL)	9	1	11.11%	670	670	670	250	0.460000008
PRASA	GW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	9						100	0.025
PRASA	GW	ug/L	VOA	56-23-5	CARBON TETRACHLORIDE	9						200	0.035
PRASA	GW	ug/L	VOA	591-78-6	2-HEXANONE	9						1000	0.349999994
PRASA	GW	ug/L	VOA	67-64-1	ACETONE	9	1	11.11%	5.699999809	5.699999809	5.699999809	2000	0.850000024
PRASA	GW	ug/L	VOA	67-66-3	CHLOROFORM	9						200	0.02
PRASA	GW	ug/L	VOA	71-43-2	BENZENE	9	3	33.33%	12000	11233.33333	9700	0.5	0.035
PRASA	GW	ug/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	9						200	0.02
PRASA	GW	ug/L	VOA	74-83-9	BROMOMETHANE	9						400	0.02
PRASA	GW	ug/L	VOA	74-87-3	CHLOROMETHANE	9						400	0.039999999
PRASA	GW	ug/L	VOA	75-00-3	CHLOROETHANE	9						400	0.025
PRASA	GW	ug/L	VOA	75-01-4	VINYL CHLORIDE	9						200	0.015
PRASA	GW	ug/L	VOA	75-09-2	METHYLENE CHLORIDE	9	2	22.22%	24.89999962	13.59999979	2.299999952	200	0.079999998
PRASA	GW	ug/L	VOA	75-15-0	CARBON DISULFIDE	9						200	0.354999989
PRASA	GW	ug/L	VOA	75-25-2	BROMOFORM	9						200	0.300000012
PRASA	GW	ug/L	VOA	75-27-4	BROMODICHLOROMETHANE	9						200	0.01
PRASA	GW	ug/L	VOA	75-34-3	1,1-DICHLOROETHANE	9						200	0.02
PRASA	GW	ug/L	VOA	75-35-4	1,1-DICHLOROETHENE	9						200	0.02
PRASA	GW	ug/L	VOA	78-87-5	1,2-DICHLOROPROPANE	9						200	0.045000002
PRASA	GW	ug/L	VOA	78-93-3	2-BUTANONE	9						1000	0.449999988
PRASA	GW	ug/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	9						200	0.02
PRASA	GW	ug/L	VOA	79-01-6	TRICHLOROETHENE	9						200	0.025
PRASA	GW	ug/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	9						200	0.029999999
PRASA	GW	ug/L	VOA	95-47-6	O-XYLENE	5						0.550000012	0.340000004
PRASA	GW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	9	5	55.56%	14.30000019	8.580000019	4.400000095	1000	0.349999994
PRASA	GW	ug/l	VTIC	methane	METHANE	4	3	75.00%	48	34.66666667	15	2.5	2.5
PRASA	SB	ug/Kg	GENX	7440-09-7	POTASSIUM	4	4	100.00%	2410000	1270250	727000		
PRASA	SB	ug/Kg	GENX	7440-23-5	SODIUM	4	1	25.00%	333000	333000	333000	698000	508000
PRASA	SB	ug/Kg	GENX	7440-70-2	CALCIUM	4	4	100.00%	21700000	14250000	6700000		
PRASA	SB	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	4	4	100.00%	6880000	4385000	1900000		
PRASA	SB	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	4						65	55
PRASA	SB	ug/Kg	METALS	7439-89-6	IRON	4	4	100.00%	50300000	41025000	36300000		
PRASA	SB	ug/Kg	METALS	7439-92-1	LEAD	4	4	100.00%	4700	2575	1100		
PRASA	SB	ug/Kg	METALS	7439-95-4	MAGNESIUM	4	4	100.00%	10700000	9277500	7150000		
PRASA	SB	ug/Kg	METALS	7439-96-5	MANGANESE	4	4	100.00%	1130000	868500	690000		
PRASA	SB	ug/Kg	METALS	7439-97-6	MERCURY	4	4	100.00%	17	11.54999995	8.199999809		
PRASA	SB	ug/Kg	METALS	7440-02-0	NICKEL	4	4	100.00%	9600	8325	7000		
PRASA	SB	ug/Kg	METALS	7440-36-0	ANTIMONY	1	1	100.00%	470	470	470		
PRASA	SB	ug/Kg	METALS	7440-38-2	ARSENIC	4	4	100.00%	3200	2047.5	790		
PRASA	SB	ug/Kg	METALS	7440-39-3	BARIUM	4	4	100.00%	153000	109625	33500		

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
PRASA	SB	ug/Kg	METALS	7440-41-7	BERYLLIUM	4						420	190
PRASA	SB	ug/Kg	METALS	7440-43-9	CADMIUM	4	4	100.00%	1600	1270	780		
PRASA	SB	ug/Kg	METALS	7440-47-3	CHROMIUM	4	4	100.00%	16500	14325	12200		
PRASA	SB	ug/Kg	METALS	7440-48-4	COBALT	4	4	100.00%	24800	18475	12300		
PRASA	SB	ug/Kg	METALS	7440-50-8	COPPER	4	4	100.00%	89600	71525	49500		
PRASA	SB	ug/Kg	METALS	7440-62-2	VANADIUM	4	4	100.00%	175000	131950	84800		
PRASA	SB	ug/Kg	METALS	7440-66-6	ZINC	4	4	100.00%	87900	68775	56400		
PRASA	SB	ug/Kg	METALS	7782-49-2	SELENIUM	4						1650	335
PRASA	SB	ug/kg	SVOA	100-01-6	4-NITROANILINE	4						1050	850
PRASA	SB	ug/kg	SVOA	100-02-7	4-NITROPHENOL	4						1050	850
PRASA	SB	ug/kg	SVOA	100-51-6	BENZYL ALCOHOL	4						220	175
PRASA	SB	ug/kg	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	4						220	175
PRASA	SB	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	4						220	175
PRASA	SB	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	4						220	175
PRASA	SB	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	4						220	175
PRASA	SB	ug/kg	SVOA	106-47-8	4-CHLOROANILINE	4						220	175
PRASA	SB	ug/kg	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	4						220	175
PRASA	SB	ug/kg	SVOA	108-95-2	PHENOL	4						220	175
PRASA	SB	ug/kg	SVOA	110-86-1	PYRIDINE	4						440	355
PRASA	SB	ug/kg	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	4						220	175
PRASA	SB	ug/kg	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	4						220	175
PRASA	SB	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	4						220	175
PRASA	SB	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	4						220	175
PRASA	SB	ug/kg	SVOA	118-74-1	HEXACHLOROBENZENE	4						220	175
PRASA	SB	ug/kg	SVOA	120-12-7	ANTHRACENE	4						220	175
PRASA	SB	ug/kg	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	4						220	175
PRASA	SB	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	4						220	175
PRASA	SB	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	4						220	175
PRASA	SB	ug/kg	SVOA	129-00-0	PYRENE	4						220	175
PRASA	SB	ug/kg	SVOA	131-11-3	DIMETHYLPHTHALATE	4						220	175
PRASA	SB	ug/kg	SVOA	132-64-9	DIBENZOFURAN	4						220	175
PRASA	SB	ug/kg	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	4						220	175
PRASA	SB	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	4						220	175
PRASA	SB	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	4						220	175
PRASA	SB	ug/kg	SVOA	206-44-0	FLUORANTHENE	4						220	175
PRASA	SB	ug/kg	SVOA	207-08-9	BENZO(K)FLUORANTHENE	4						220	175
PRASA	SB	ug/kg	SVOA	208-96-8	ACENAPHTHYLENE	4						220	175
PRASA	SB	ug/kg	SVOA	218-01-9	CHRYSENE	4						220	175
PRASA	SB	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	4						220	175
PRASA	SB	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	4						1050	850
PRASA	SB	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	4						220	175
PRASA	SB	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	4						1050	850
PRASA	SB	ug/kg	SVOA	541-73-1	1,3-DICHLOROBENZENE	4						220	175
PRASA	SB	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	4						220	175
PRASA	SB	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	4						220	175
PRASA	SB	ug/kg	SVOA	606-20-2	2,6-DINITROTOLUENE	4						220	175
PRASA	SB	ug/kg	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	4						220	175
PRASA	SB	ug/kg	SVOA	65-85-0	BENZOIC ACID	4						1050	850
PRASA	SB	ug/kg	SVOA	67-72-1	HEXACHLOROETHANE	4						220	175
PRASA	SB	ug/kg	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	4						220	175
PRASA	SB	ug/kg	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	4						1050	850
PRASA	SB	ug/kg	SVOA	78-59-1	ISOPHORONE	4						220	175
PRASA	SB	ug/kg	SVOA	83-32-9	ACENAPHTHENE	4						220	175
PRASA	SB	ug/kg	SVOA	84-66-2	DIETHYLPHTHALATE	4						440	355
PRASA	SB	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	4						220	175
PRASA	SB	ug/kg	SVOA	85-01-8	PHENANTHRENE	4						220	175
PRASA	SB	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	4						220	175
PRASA	SB	ug/kg	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	4						220	175
PRASA	SB	ug/kg	SVOA	86-73-7	FLUORENE	4						220	175
PRASA	SB	ug/kg	SVOA	87-68-3	HEXACHLOROBUTADIENE	4						220	175
PRASA	SB	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	4						1050	850
PRASA	SB	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	4						220	175
PRASA	SB	ug/kg	SVOA	88-74-4	2-NITROANILINE	4						1050	850
PRASA	SB	ug/kg	SVOA	88-75-5	2-NITROPHENOL	4						220	175
PRASA	SB	ug/kg	SVOA	91-20-3	NAPHTHALENE	4						220	175
PRASA	SB	ug/kg	SVOA	91-57-6	2-METHYLNAPHTHALENE	4						220	175
PRASA	SB	ug/kg	SVOA	91-58-7	2-CHLORONAPHTHALENE	4						220	175
PRASA	SB	ug/kg	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	4						1050	850
PRASA	SB	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	4						220	175

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
PRASA	SB	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	4						220	175
PRASA	SB	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	4						220	175
PRASA	SB	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	4						220	175
PRASA	SB	ug/kg	SVOA	98-95-3	NITROBENZENE	4						220	175
PRASA	SB	ug/kg	SVOA	99-09-2	3-NITROANILINE	4						1050	850
PRASA	SB	ug/kg	VOA	100-41-4	ETHYLBENZENE	4	1	25.00%	250	250	250	3.349999905	2.700000048
PRASA	SB	ug/kg	VOA	100-42-5	STYRENE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	108-05-4	VINYL ACETATE	4						325	5.5
PRASA	SB	ug/kg	VOA	108-10-1	4-METHYL-2-PENTANONE	4						650	10.5
PRASA	SB	ug/kg	VOA	108-88-3	TOLUENE	4	2	50.00%	1800	900.8	1.600000024	3.349999905	2.700000048
PRASA	SB	ug/kg	VOA	108-90-7	CHLOROBENZENE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	4						1650	27
PRASA	SB	ug/kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	4	2	50.00%	3000	1502.95	5.900000095	3.349999905	3.25
PRASA	SB	ug/kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	4						80	1.350000024
PRASA	SB	ug/kg	VOA	56-23-5	CARBON TETRACHLORIDE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	591-78-6	2-HEXANONE	4						650	10.5
PRASA	SB	ug/kg	VOA	67-64-1	ACETONE	4	3	75.00%	73	60	47	650	650
PRASA	SB	ug/kg	VOA	67-66-3	CHLOROFORM	4						325	5.5
PRASA	SB	ug/kg	VOA	71-43-2	BENZENE	4	2	50.00%	10000	5009.5	19	3.349999905	2.700000048
PRASA	SB	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	4	3	75.00%	1.299999952	0.956666648	0.579999983	165	165
PRASA	SB	ug/kg	VOA	74-83-9	BROMOMETHANE	4						325	5.5
PRASA	SB	ug/kg	VOA	74-87-3	CHLOROMETHANE	4						325	5.5
PRASA	SB	ug/kg	VOA	75-00-3	CHLOROETHANE	4						325	5.5
PRASA	SB	ug/kg	VOA	75-01-4	VINYL CHLORIDE	4						325	5.5
PRASA	SB	ug/kg	VOA	75-09-2	METHYLENE CHLORIDE	4						330	5.400000095
PRASA	SB	ug/kg	VOA	75-15-0	CARBON DISULFIDE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	75-25-2	BROMOFORM	4						165	2.700000048
PRASA	SB	ug/kg	VOA	75-27-4	BROMODICHLOROMETHANE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	75-34-3	1,1-DICHLOROETHANE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	78-87-5	1,2-DICHLOROPROPANE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	78-93-3	2-BUTANONE	4	2	50.00%	17	11.75	6.5	650	10.5
PRASA	SB	ug/kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	79-01-6	TRICHLOROETHENE	4						165	2.700000048
PRASA	SB	ug/kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	4						165	2.700000048
PRASA	SB	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	4						650	10.5
PRASA	SS	ug/Kg	GENX	7440-09-7	POTASSIUM	4	4	100.00%	1740000	1217500	1020000		
PRASA	SS	ug/Kg	GENX	7440-23-5	SODIUM	4	2	50.00%	960000	663500	367000	389000	354000
PRASA	SS	ug/Kg	GENX	7440-70-2	CALCIUM	4	4	100.00%	41500000	24657500	7830000		
PRASA	SS	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	4	4	100.00%	6770000	4112500	2520000		
PRASA	SS	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	4						60	55
PRASA	SS	ug/Kg	METALS	7439-89-6	IRON	4	4	100.00%	49200000	36800000	17800000		
PRASA	SS	ug/Kg	METALS	7439-92-1	LEAD	4	4	100.00%	11500	5075	1600		
PRASA	SS	ug/Kg	METALS	7439-95-4	MAGNESIUM	4	4	100.00%	16200000	9547500	5630000		
PRASA	SS	ug/Kg	METALS	7439-96-5	MANGANESE	4	4	100.00%	1140000	770250	324000		
PRASA	SS	ug/Kg	METALS	7439-97-6	MERCURY	4	4	100.00%	13	10.39999998	7.599999905		
PRASA	SS	ug/Kg	METALS	7440-02-0	NICKEL	4	4	100.00%	11800	7725	3100		
PRASA	SS	ug/Kg	METALS	7440-36-0	ANTIMONY	2	1	50.00%	560	560	560	600	600
PRASA	SS	ug/Kg	METALS	7440-38-2	ARSENIC	4	4	100.00%	4000	3225	2500		
PRASA	SS	ug/Kg	METALS	7440-39-3	BARIUM	4	4	100.00%	95600	70025	24300		
PRASA	SS	ug/Kg	METALS	7440-41-7	BERYLLIUM	4						360	170
PRASA	SS	ug/Kg	METALS	7440-43-9	CADMIUM	4	4	100.00%	1700	1232.5	530		
PRASA	SS	ug/Kg	METALS	7440-47-3	CHROMIUM	4	4	100.00%	21000	13250	4700		
PRASA	SS	ug/Kg	METALS	7440-48-4	COBALT	4	4	100.00%	23500	17475	7900		
PRASA	SS	ug/Kg	METALS	7440-50-8	COPPER	4	4	100.00%	88900	66625	23000		
PRASA	SS	ug/Kg	METALS	7440-62-2	VANADIUM	4	4	100.00%	172000	125550	54200		
PRASA	SS	ug/Kg	METALS	7440-66-6	ZINC	4	4	100.00%	86300	68750	43600		
PRASA	SS	ug/Kg	METALS	7782-49-2	SELENIUM	4						1550	300
PRASA	SS	ug/kg	SVOA	100-01-6	4-NITROANILINE	4						1000	900
PRASA	SS	ug/kg	SVOA	100-02-7	4-NITROPHENOL	4						1000	900
PRASA	SS	ug/kg	SVOA	100-51-6	BENZYL ALCOHOL	4						205	185
PRASA	SS	ug/kg	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	4						205	185
PRASA	SS	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	4						205	185
PRASA	SS	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	4						205	185

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
PRASA	SS	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	4						205	185
PRASA	SS	ug/kg	SVOA	106-47-8	4-CHLOROANILINE	4						205	185
PRASA	SS	ug/kg	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	4						205	185
PRASA	SS	ug/kg	SVOA	108-95-2	PHENOL	4						205	185
PRASA	SS	ug/kg	SVOA	110-86-1	PYRIDINE	4						410	375
PRASA	SS	ug/kg	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	4						205	185
PRASA	SS	ug/kg	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	4						205	185
PRASA	SS	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	4						205	185
PRASA	SS	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	4						205	185
PRASA	SS	ug/kg	SVOA	118-74-1	HEXACHLOROBENZENE	4						205	185
PRASA	SS	ug/kg	SVOA	120-12-7	ANTHRACENE	4						205	185
PRASA	SS	ug/kg	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	4						205	185
PRASA	SS	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	4						205	185
PRASA	SS	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	4						205	185
PRASA	SS	ug/kg	SVOA	129-00-0	PYRENE	4						205	185
PRASA	SS	ug/kg	SVOA	131-11-3	DIMETHYLPHTHALATE	4						205	185
PRASA	SS	ug/kg	SVOA	132-64-9	DIBENZOFURAN	4						205	185
PRASA	SS	ug/kg	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	4						205	185
PRASA	SS	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	4						205	185
PRASA	SS	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	4						205	185
PRASA	SS	ug/kg	SVOA	206-44-0	FLUORANTHENE	4						205	185
PRASA	SS	ug/kg	SVOA	207-08-9	BENZO(K)FLUORANTHENE	4						205	185
PRASA	SS	ug/kg	SVOA	208-96-8	ACENAPHTHYLENE	4						205	185
PRASA	SS	ug/kg	SVOA	218-01-9	CHRYSENE	4						205	185
PRASA	SS	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	4						205	185
PRASA	SS	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	4						1000	900
PRASA	SS	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	4						205	185
PRASA	SS	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	4						1000	900
PRASA	SS	ug/kg	SVOA	541-73-1	1,3-DICHLOROBENZENE	4						205	185
PRASA	SS	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	4						205	185
PRASA	SS	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	4						205	185
PRASA	SS	ug/kg	SVOA	606-20-2	2,6-DINITROTOLUENE	4						205	185
PRASA	SS	ug/kg	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	4						205	185
PRASA	SS	ug/kg	SVOA	65-85-0	BENZOIC ACID	4						1000	900
PRASA	SS	ug/kg	SVOA	67-72-1	HEXACHLOROETHANE	4						205	185
PRASA	SS	ug/kg	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	4						205	185
PRASA	SS	ug/kg	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	4						1000	900
PRASA	SS	ug/kg	SVOA	78-59-1	ISOPHORONE	4						205	185
PRASA	SS	ug/kg	SVOA	83-32-9	ACENAPHTHENE	4						205	185
PRASA	SS	ug/kg	SVOA	84-66-2	DIETHYLPHTHALATE	4						410	375
PRASA	SS	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	4						205	185
PRASA	SS	ug/kg	SVOA	85-01-8	PHENANTHRENE	4						205	185
PRASA	SS	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	4						205	185
PRASA	SS	ug/kg	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	4						205	185
PRASA	SS	ug/kg	SVOA	86-73-7	FLUORENE	4						205	185
PRASA	SS	ug/kg	SVOA	87-68-3	HEXACHLOROBUTADIENE	4						205	185
PRASA	SS	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	4						1000	900
PRASA	SS	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	4						205	185
PRASA	SS	ug/kg	SVOA	88-74-4	2-NITROANILINE	4						1000	900
PRASA	SS	ug/kg	SVOA	88-75-5	2-NITROPHENOL	4						205	185
PRASA	SS	ug/kg	SVOA	91-20-3	NAPHTHALENE	4						205	185
PRASA	SS	ug/kg	SVOA	91-57-6	2-METHYLNAPHTHALENE	4						205	185
PRASA	SS	ug/kg	SVOA	91-58-7	2-CHLORONAPHTHALENE	4						205	185
PRASA	SS	ug/kg	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	4						1000	900
PRASA	SS	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	4						205	185
PRASA	SS	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	4						205	185
PRASA	SS	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	4						205	185
PRASA	SS	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	4						205	185
PRASA	SS	ug/kg	SVOA	98-95-3	NITROBENZENE	4						205	185
PRASA	SS	ug/kg	SVOA	99-09-2	3-NITROANILINE	4						1000	900
PRASA	SS	ug/kg	VOA	100-41-4	ETHYLBENZENE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	100-42-5	STYRENE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	108-05-4	VINYL ACETATE	4						6	5.5
PRASA	SS	ug/kg	VOA	108-10-1	4-METHYL-2-PENTANONE	4						12.5	11.5
PRASA	SS	ug/kg	VOA	108-88-3	TOLUENE	4	1	25.00%	1	1	1	3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	108-90-7	CHLOROBENZENE	4						3.099999905	2.799999952

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
PRASA	SS	ug/kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	4						31	28
PRASA	SS	ug/kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	4	1	25.00%	2.299999952	2.299999952	2.299999952	3.099999905	2.950000048
PRASA	SS	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	4						1.549999952	1.399999976
PRASA	SS	ug/kg	VOA	56-23-5	CARBON TETRACHLORIDE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	591-78-6	2-HEXANONE	4						12.5	11.5
PRASA	SS	ug/kg	VOA	67-64-1	ACETONE	4	1	25.00%	19	19	19	12.5	11.5
PRASA	SS	ug/kg	VOA	67-66-3	CHLOROFORM	4						6	5.5
PRASA	SS	ug/kg	VOA	71-43-2	BENZENE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	4	3	75.00%	1.799999952	1.113333305	0.699999988	3.099999905	3.099999905
PRASA	SS	ug/kg	VOA	74-83-9	BROMOMETHANE	4						6	5.5
PRASA	SS	ug/kg	VOA	74-87-3	CHLOROMETHANE	4						6	5.5
PRASA	SS	ug/kg	VOA	75-00-3	CHLOROETHANE	4						6	5.5
PRASA	SS	ug/kg	VOA	75-01-4	VINYL CHLORIDE	4						6	5.5
PRASA	SS	ug/kg	VOA	75-09-2	METHYLENE CHLORIDE	4						6.199999809	5.599999905
PRASA	SS	ug/kg	VOA	75-15-0	CARBON DISULFIDE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	75-25-2	BROMOFORM	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	75-27-4	BROMODICHLOROMETHANE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	75-34-3	1,1-DICHLOROETHANE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	78-87-5	1,2-DICHLOROPROPANE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	78-93-3	2-BUTANONE	4	1	25.00%	4.300000191	4.300000191	4.300000191	12.5	11.5
PRASA	SS	ug/kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	79-01-6	TRICHLOROETHENE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	4						3.099999905	2.799999952
PRASA	SS	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	4						12.5	11.5
SHAL	GW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	284	6	2.11%	43	25.33333333	10	5	3
SHAL	GW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	295	251	85.08%	19900	3507.14741	26	256	9.25
SHAL	GW	ug/L	DISMET	7439-92-1	LEAD, DISSOLVED	479	22	4.59%	140	10.11363637	1.200000048	5	0.75
SHAL	GW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	295	295	100.00%	1040000	103731.2203	8270		
SHAL	GW	ug/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	460	449	97.61%	14900	1806.394432	15.10000038	551	0.150000006
SHAL	GW	ug/L	DISMET	7439-97-6	MERCURY, DISSOLVED	476	11	2.31%	217	20.12081819	0.028999999	0.100000001	0.028999999
SHAL	GW	ug/L	DISMET	7440-02-0	NICKEL, DISSOLVED	484	140	28.93%	470	100.8621429	2.400000095	200	0.600000024
SHAL	GW	UG/L	DISMET	7440-22-4	SILVER, DISSOLVED	268	6	2.24%	429	75.33333333	1	5	0.349999994
SHAL	GW	UG/L	DISMET	7440-28-0	THALLIUM, DISSOLVED	12						1000	1000
SHAL	GW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	442	17	3.85%	120	70.10588235	3.599999905	50	1.700000048
SHAL	GW	ug/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	484	157	32.44%	408	14.12611466	1	3.299999952	0.5
SHAL	GW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	439	380	86.56%	1520	562.9115789	6.099999905	0.649999976	0.100000001
SHAL	GW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	422						2.5	0.680000007
SHAL	GW	ug/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	484	23	4.75%	71.30000305	7.230434915	2	25	0.25
SHAL	GW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	442	15	3.39%	449	31.76466669	0.519999981	50	0.5
SHAL	GW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	327	29	8.87%	715	76.03103434	1.899999976	15	0.560000002
SHAL	GW	ug/L	DISMET	7440-50-8	COPPER, DISSOLVED	484	60	12.40%	260	21.56000005	1.600000024	15	0.660000026
SHAL	GW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	442	33	7.47%	338	19.48181819	1.299999952	25	0.100000001
SHAL	GW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	442	333	75.34%	449	106.4534535	8.100000381	10	2.5
SHAL	GW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	433	95	21.94%	263	19.18105257	3	60	1.25
SHAL	GW	ug/L	GENX	1-00-3	CHLORIDE	524	521	99.43%	28200000	821427.8311	6500	11350	1500
SHAL	GW	ug/L	GENX	18496-25-8	SULFIDE	333	105	31.53%	41800	1576.771429	11	5000	2.5
SHAL	GW	ug/L	GENX	18496-25-8	SULFIDE, TOTAL	27	1	3.70%	4000	4000	4000	250	25
SHAL	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	454	229	50.44%	2000	219.279476	10	50	2
SHAL	GW	ug/L	GENX	25-90-0	NITRATE AS N	516	114	22.09%	1000000	9620.587719	10	50	5
SHAL	GW	ug/L	GENX	3-03-5	SULFATE	520	350	67.31%	20199999488	58045015.91	1400	4660000	500
SHAL	GW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	297	297	100.00%	1520000	527451.1785	36000		
SHAL	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	462						5000	500
SHAL	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	496	495	99.80%	1520000	536690.9091	23000	2500	2500
SHAL	GW	UG/L	GENX	527650-80-0	TOTAL ORGANIC HALOGENS AS CHLORIDE	26	26	100.00%	16600	953.6884616	39		
SHAL	GW	ug/L	GENX	57-12-5	CYANIDE	2						5	5
SHAL	GW	ug/L	GENX	66-30-0	FLUORIDE	28	27	96.43%	1040	593.9259259	56	25000	25000
SHAL	GW	ug/L	GENX	7440-09-7	POTASSIUM	387	258	66.67%	814000	23549.75581	240	2500	34.75
SHAL	GW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	295	225	76.27%	452000	26929.72889	507	2500	34.75
SHAL	GW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	105	53	50.48%	419000	49600	640	2500	2500
SHAL	GW	ug/L	GENX	7440-23-5	SODIUM	414	410	99.03%	15800000	413311.8293	17400	38.40000153	38.40000153
SHAL	GW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	295	292	98.98%	12900000	550070.8904	27400	21.60000038	21.60000038
SHAL	GW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	105	105	100.00%	12400000	796262.8571	30200		
SHAL	GW	ug/L	GENX	7440-70-2	CALCIUM	349	349	100.00%	1160000	138544.1261	17400		
SHAL	GW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	295	295	100.00%	591000	124597.9661	19100		
SHAL	GW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	105	105	100.00%	2340000	174992.381	36900		

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
SHAL	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	244	231	94.67%	7500	271.5627706	30	25	10
SHAL	GW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	212	108	50.94%	12300	593.1111111	50	145	25
SHAL	GW	ug/L	GENX	7727-37-9	NITROGEN, TOTAL	42	38	90.48%	7360	1669.736842	170	240	10
SHAL	GW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	297	182	61.28%	21000	1004.901099	35	7300	6.25
SHAL	GW	ug/L	GENX	NH3 total	AMMONIA AS NH3, TOTAL	122	120	98.36%	9700	874.4166667	10	5	5
SHAL	GW	ug/L	GENX	nitrite as N	NITRITE AS N	426	71	16.67%	120	27.64788732	10	50	5
SHAL	GW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	194	134	69.07%	12600000	429492.5373	4000	500	500
SHAL	GW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	194	194	100.00%	40300000	2930657.732	15200		
SHAL	GW	ug/L	GENX	ST-00630	NITRITE/NITRATE	15	9	60.00%	510	86.22222222	18	250	5
SHAL	GW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	418	196	46.89%	17600	1976.423469	290	500	140
SHAL	GW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	447	376	84.12%	590000	24784.09574	460	9950	61
SHAL	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	462	462	100.00%	42800000	2287803.03	112000		
SHAL	GW	UG/L	HERB	88-85-7	DINOSEB	2						0.023499999	0.023499999
SHAL	GW	UG/L	HERB	93-72-1	2,4,5-TP (SILVEX)	10						0.023499999	0.01
SHAL	GW	UG/L	HERB	93-76-5	2,4,5-T	2						0.023499999	0.023499999
SHAL	GW	UG/L	HERB	94-75-7	2,4-D	10	2	20.00%	1.279999971	0.676999986	0.074000001	0.023499999	0.01
SHAL	GW	UG/L	OPP	297-97-2	THIONAZIN	2						0.156000003	0.156000003
SHAL	GW	UG/L	OPP	298-00-0	METHYL PARATHION	2						0.153500006	0.153500006
SHAL	GW	UG/L	OPP	298-02-2	PHORATE	2						0.155499995	0.155499995
SHAL	GW	UG/L	OPP	298-04-4	DISULFOTON	2						0.147	0.147
SHAL	GW	UG/L	OPP	3689-24-5	SULFOTEPP	2						0.157499999	0.157499999
SHAL	GW	UG/L	OPP	52-85-7	FAMPHUR	2						0.294	0.294
SHAL	GW	UG/L	OPP	56-38-2	ETHYL PARATHION	2						0.147	0.147
SHAL	GW	UG/L	OPP	60-51-5	DIMETHOATE	2						0.147499993	0.147499993
SHAL	GW	UG/L	PCB	11096-82-5	AROCLOR-1260	4						0.263000011	0.125
SHAL	GW	UG/L	PCB	11097-69-1	AROCLOR-1254	4						0.263000011	0.125
SHAL	GW	UG/L	PCB	11104-28-2	AROCLOR-1221	4						0.263000011	0.125
SHAL	GW	UG/L	PCB	11141-16-5	AROCLOR-1232	4						0.263000011	0.125
SHAL	GW	UG/L	PCB	12672-29-6	AROCLOR-1248	4						0.263000011	0.125
SHAL	GW	UG/L	PCB	12674-11-2	AROCLOR-1016	4						0.263000011	0.125
SHAL	GW	UG/L	PCB	53469-21-9	AROCLOR-1242	4	1	25.00%	1.070000052	1.070000052	1.070000052	0.263000011	0.125
SHAL	GW	UG/L	PEST	1024-57-3	HEPTACHLOR EPOXIDE	2						0.0265	0.025
SHAL	GW	UG/L	PEST	1031-07-8	ENDOSULFAN SULFATE	2						0.052499998	0.050000001
SHAL	GW	UG/L	PEST	309-00-2	ALDRIN	2						0.0265	0.025
SHAL	GW	UG/L	PEST	319-84-6	ALPHA-BHC	2						0.013	0.0125
SHAL	GW	UG/L	PEST	319-85-7	BETA-BHC	2						0.0265	0.025
SHAL	GW	UG/L	PEST	319-86-8	DELTA-BHC	2						0.0265	0.025
SHAL	GW	UG/L	PEST	33213-65-9	ENDOSULFAN II	2						0.052499998	0.050000001
SHAL	GW	UG/L	PEST	465-73-6	ISODRIN	2						0.0105	0.01
SHAL	GW	UG/L	PEST	50-29-3	4,4'-DDT	2						0.052499998	0.050000001
SHAL	GW	UG/L	PEST	5103-71-9	ALPHA-CHLORDANE	2						0.0265	0.025
SHAL	GW	UG/L	PEST	5103-74-2	GAMMA-CHLORDANE	2						0.0265	0.025
SHAL	GW	UG/L	PEST	53494-70-5	ENDRIN KETONE	2						0.052499998	0.050000001
SHAL	GW	UG/L	PEST	58-89-9	GAMMA-BHC	10						0.013	0.0125
SHAL	GW	UG/L	PEST	60-57-1	DIELDRIN	2						0.0265	0.025
SHAL	GW	UG/L	PEST	72-20-8	ENDRIN	10						0.0265	0.025
SHAL	GW	UG/L	PEST	72-43-5	METHOXYCHLOR	10						0.263000011	0.25
SHAL	GW	UG/L	PEST	72-54-8	4,4'-DDD	2						0.052499998	0.050000001
SHAL	GW	UG/L	PEST	72-55-9	4,4'-DDE	2						0.0265	0.025
SHAL	GW	UG/L	PEST	76-44-8	HEPTACHLOR	2						0.0265	0.025
SHAL	GW	UG/L	PEST	8001-35-2	TOXAPHENE	10						0.524999976	0.5
SHAL	GW	UG/L	PEST	959-98-8	ENDOSULFAN I	2						0.0265	0.025
SHAL	GW	ug/L	SVOA	100-01-6	4-NITROANILINE	445	1	0.22%	13.5	13.5	13.5	2500	0.800000012
SHAL	GW	ug/L	SVOA	100-02-7	4-NITROPHENOL	422	1	0.24%	6.800000191	6.800000191	6.800000191	2500	0.709999979
SHAL	GW	ug/L	SVOA	100-51-6	BENZYL ALCOHOL	445	2	0.45%	13.69999981	8.399999857	3.099999905	1000	0.850000024
SHAL	GW	ug/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	450						500	0.221000001
SHAL	GW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	424	55	12.97%	1100	84.44727285	2	500	0.675000012
SHAL	GW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	419	73	17.42%	503	72.28904106	1.200000048	500	0.340000004
SHAL	GW	ug/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	500	2	0.40%	1.200000048	1.100000024	1	2500	0.234999999
SHAL	GW	ug/L	SVOA	106-47-8	4-CHLOROANILINE	443	1	0.23%	7.900000095	7.900000095	7.900000095	500	1
SHAL	GW	UG/L	SVOA	108-39-4	M-CRESOL	8						5	5
SHAL	GW	ug/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	450						500	0.200000003
SHAL	GW	ug/L	SVOA	108-95-2	PHENOL	461	129	27.98%	7600	454.2241085	2.710000038	20	0.275000006
SHAL	GW	UG/L	SVOA	108-98-5	THIOPHENOL	8						5	5
SHAL	GW	ug/L	SVOA	110-86-1	PYRIDINE	421						500	1.850000024
SHAL	GW	ug/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	450						500	0.275000006
SHAL	GW	ug/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	450						500	0.171499997
SHAL	GW	ug/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	459	125	27.23%	84000	715.2072	2.099999905	500	1
SHAL	GW	ug/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	458	1	0.22%	39.70000076	39.70000076	39.70000076	500	0.699999988

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
SHAL	GW	ug/L	SVOA	118-74-1	HEXACHLOROBENZENE	450						500	0.730000019
SHAL	GW	ug/L	SVOA	120-12-7	ANTHRACENE	458	4	0.87%	44	25.77500001	1.100000024	500	0.180000007
SHAL	GW	ug/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	492						2500	0.25
SHAL	GW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	415						500	0.254999995
SHAL	GW	ug/L	SVOA	121-14-2	2,4-DINITROTOLUENE	450	1	0.22%	142	142	142	500	0.550000012
SHAL	GW	UG/L	SVOA	126-68-1	O,O,O-TRIETHYLPHOSPHOROTHOIATE	2						0.156499997	0.156499997
SHAL	GW	ug/L	SVOA	129-00-0	PYRENE	458						500	0.370000005
SHAL	GW	ug/L	SVOA	131-11-3	DIMETHYLPHTHALATE	458	2	0.44%	12.60000038	7.500000238	2.400000095	500	0.215000004
SHAL	GW	ug/L	SVOA	132-64-9	DIBENZOFURAN	445						500	0.171499997
SHAL	GW	ug/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	450						500	0.25999999
SHAL	GW	ug/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	450						500	0.800000012
SHAL	GW	ug/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	458						500	0.275000006
SHAL	GW	ug/L	SVOA	206-44-0	FLUORANTHENE	458						500	0.405000001
SHAL	GW	ug/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	458						500	0.219999999
SHAL	GW	ug/L	SVOA	208-96-8	ACENAPHTHYLENE	450	1	0.22%	3.5	3.5	3.5	500	0.200000003
SHAL	GW	ug/L	SVOA	218-01-9	CHRYSENE	458						500	0.74000001
SHAL	GW	ug/L	SVOA	50-32-8	BENZO(A)PYRENE	458	1	0.22%	43	43	43	500	0.25
SHAL	GW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	423						2500	0.680000007
SHAL	GW	ug/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	458						500	0.275000006
SHAL	GW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	413						2500	0.5
SHAL	GW	UG/L	SVOA	54-30-0	PHENOLICS	12	7	58.33%	1100	288.5714286	20	8	5
SHAL	GW	ug/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	500						2500	0.25
SHAL	GW	ug/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	458						500	0.280000001
SHAL	GW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	201						18	0.899999976
SHAL	GW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	415						500	0.36500001
SHAL	GW	UG/L	SVOA	6-methyl chryse	6-METHYL CHRYSENE	8						5	5
SHAL	GW	ug/L	SVOA	606-20-2	2,6-DINITROTOLUENE	450	1	0.22%	9.800000191	9.800000191	9.800000191	500	0.379999995
SHAL	GW	UG/L	SVOA	62-75-9	N-NITROSODIMETHYLAMINE	5						19.5	7.5
SHAL	GW	ug/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	450	2	0.44%	5.900000095	5.25	4.599999905	500	0.409999996
SHAL	GW	ug/L	SVOA	65-85-0	BENZOIC ACID	440	24	5.45%	110	29.91666652	2.700000048	2500	0.600000024
SHAL	GW	ug/L	SVOA	67-72-1	HEXACHLOROETHANE	450	2	0.44%	12.19999981	9.199999809	6.199999809	500	0.610000014
SHAL	GW	ug/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	450						500	0.175999999
SHAL	GW	ug/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	444						500	0.25
SHAL	GW	ug/L	SVOA	78-59-1	ISOPHORONE	450						500	0.289999992
SHAL	GW	ug/L	SVOA	83-32-9	ACENAPHTHENE	450	3	0.67%	3.900000095	2.800000032	2.200000048	500	0.5
SHAL	GW	ug/L	SVOA	84-66-2	DIETHYLPHTHALATE	458	3	0.66%	5.800000191	3.400000016	1.799999952	500	0.425500005
SHAL	GW	ug/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	458	14	3.06%	7.099999905	3.542857085	1.299999952	500	0.425000012
SHAL	GW	ug/L	SVOA	85-01-8	PHENANTHRENE	458	23	5.02%	47	12.33478261	2	500	0.5
SHAL	GW	ug/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	458						500	0.488000005
SHAL	GW	ug/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	450	1	0.22%	4	4	4	500	0.5
SHAL	GW	ug/L	SVOA	86-73-7	FLUORENE	450	48	10.67%	150	22.55625002	2.700000048	500	0.234999999
SHAL	GW	UG/L	SVOA	87-61-6	1,2,3-TRICHLOROBENZENE	42						2500	0.25
SHAL	GW	ug/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	492						2500	0.25
SHAL	GW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	415						2500	0.444999993
SHAL	GW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	415						500	0.294999987
SHAL	GW	ug/L	SVOA	88-74-4	2-NITROANILINE	445	1	0.22%	8.399999619	8.399999619	8.399999619	2500	0.453999996
SHAL	GW	ug/L	SVOA	88-75-5	2-NITROPHENOL	415						500	0.224999994
SHAL	GW	UG/L	SVOA	90-12-0	1-METHYLNAPHTHALENE	8						5	5
SHAL	GW	ug/L	SVOA	91-20-3	NAPHTHALENE	533	146	27.39%	6700	186.0286302	1.299999952	2500	0.25
SHAL	GW	UG/L	SVOA	91-22-5	QUINOLINE	8						5	5
SHAL	GW	ug/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	445	61	13.71%	99	22.6377049	1.399999976	500	0.324999988
SHAL	GW	ug/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	450						500	0.1875
SHAL	GW	ug/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	448						1000	1.284999967
SHAL	GW	UG/L	SVOA	92-87-5	BENZIDINE	5						50	19.5
SHAL	GW	UG/L	SVOA	95-13-6	1H-INDENE	41	5	12.20%	87	27.96000009	2.200000048	25	5
SHAL	GW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	449	59	13.14%	640	68.57627119	1.100000024	500	0.275000006
SHAL	GW	ug/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	500						2500	0.25
SHAL	GW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	415						500	0.159999996
SHAL	GW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	410						500	0.234999999
SHAL	GW	ug/L	SVOA	98-95-3	NITROBENZENE	450						500	0.294999987
SHAL	GW	ug/L	SVOA	99-09-2	3-NITROANILINE	445	1	0.22%	6.5	6.5	6.5	2500	0.649999976
SHAL	GW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	287	9	3.14%	110	44.11111111	20	14.99999905	3
SHAL	GW	ug/L	TOTMET	7439-89-6	IRON, FERROUS, TOTAL	2	1	50.00%	680	680	680	25	25
SHAL	GW	ug/L	TOTMET	7439-89-6	IRON, TOTAL	525	513	97.71%	985000	28164.53606	120	5750	9.25
SHAL	GW	ug/L	TOTMET	7439-92-1	LEAD, TOTAL	512	75	14.65%	440	20.32399998	1.5	5	0.699999988
SHAL	GW	ug/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	504	504	100.00%	2030000	102739.7619	6710		
SHAL	GW	ug/L	TOTMET	7439-96-5	MANGANESE, TOTAL	483	480	99.38%	34700	2381.659167	25.20000076	1.455000043	0.150000006
SHAL	GW	ug/L	TOTMET	7439-97-6	MERCURY, TOTAL	491	52	10.59%	15.89999962	1.362326917	0.029999999	0.100000001	0.0085

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
SHAL	GW	ug/L	TOTMET	7440-02-0	NICKEL, TOTAL	498	184	36.95%	3450	138.0282609	2.099999905	45	0.600000024
SHAL	GW	UG/L	TOTMET	7440-22-4	SILVER, TOTAL	274	17	6.20%	11	4.376470594	2	5	0.349999994
SHAL	GW	UG/L	TOTMET	7440-28-0	THALLIUM, TOTAL	15						1000	4.25
SHAL	GW	UG/L	TOTMET	7440-31-5	TIN, TOTAL	2						38.45000076	38.45000076
SHAL	GW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	455	12	2.64%	143	65.67500047	5.599999905	50	1.700000048
SHAL	GW	ug/L	TOTMET	7440-38-2	ARSENIC, TOTAL	513	182	35.48%	1000	18.63313189	0.930000007	5	0.5
SHAL	GW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	461	357	77.44%	5200	402.3053221	20	0.649999976	0.100000001
SHAL	GW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	436	7	1.61%	5.599999905	3.842857054	2	2.5	0.680000007
SHAL	GW	ug/L	TOTMET	7440-43-9	CADMIUM, TOTAL	507	52	10.26%	63	8.207307681	0.680000007	25	0.25
SHAL	GW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	466	108	23.18%	3610	139.2796296	1.100000024	5.900000095	0.5
SHAL	GW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	341	73	21.41%	645	94.96438355	1.600000024	15	0.560000002
SHAL	GW	ug/L	TOTMET	7440-50-8	COPPER, TOTAL	498	182	36.55%	2120	175.5774725	4.099999905	20	0.660000026
SHAL	GW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	456	98	21.49%	2800	324.9622449	5.5	53	0.100000001
SHAL	GW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	460	144	31.30%	2200	176.9187499	4.699999809	30	1.450000048
SHAL	GW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	448	59	13.17%	57.20000076	12.33898312	0.850000024	50	1
SHAL	GW	UG/L	VOA	1-952	O,P-XYLENE	1						2.5	2.5
SHAL	GW	ug/L	VOA	100-41-4	ETHYLBENZENE	581	121	20.83%	24700	2005.099835	1.029999971	125000	0.02
SHAL	GW	ug/L	VOA	100-42-5	STYRENE	543						125000	0.015
SHAL	GW	ug/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	540						125000	0.02
SHAL	GW	ug/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	540						125000	0.015
SHAL	GW	UG/L	VOA	106-43-4	4-CHLOROTOLUENE	42						2500	0.25
SHAL	GW	UG/L	VOA	106-93-4	1,2-DIBROMOETHANE	50						25000	0.25
SHAL	GW	ug/L	VOA	107-06-2	1,2-DICHLOROETHANE	548	9	1.64%	2580	713.3111112	1.100000024	125000	0.02
SHAL	GW	ug/L	VOA	108-05-4	VINYL ACETATE	493						500000	0.699999988
SHAL	GW	ug/L	VOA	108-10-1	4-METHYL-2-PENTANONE	493	1	0.20%	35	35	35	500000	0.550000012
SHAL	GW	UG/L	VOA	108-38-3	M-XYLENE	1						2.5	2.5
SHAL	GW	UG/L	VOA	108-67-8	1,3,5-TRIMETHYLBENZENE	42						2500	0.25
SHAL	GW	UG/L	VOA	108-86-1	BROMOBENZENE	42						2500	0.25
SHAL	GW	ug/L	VOA	108-88-3	TOLUENE	598	146	24.41%	940000	24007.64082	1.600000024	125000	0.01
SHAL	GW	ug/L	VOA	108-90-7	CHLOROBENZENE	548	20	3.65%	14	5.215000004	1.100000024	125000	0.02
SHAL	GW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	426						50000	0.625
SHAL	GW	UG/L	VOA	123-91-1	1,4-DIOXANE	8						125000	25
SHAL	GW	ug/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	540						125000	0.02
SHAL	GW	ug/L	VOA	127-18-4	TETRACHLOROETHENE	540						125000	0.035
SHAL	GW	ug/L	VOA	1330-20-7	XYLENES (TOTAL)	597	178	29.82%	630000	23311.22823	0.094999999	50000	0.25
SHAL	GW	UG/L	VOA	142-28-9	1,3-DICHLOROPROPANE	42						2500	0.25
SHAL	GW	UG/L	VOA	156-59-2	CIS-1,2-DICHLOROETHENE	42	1	2.38%	1.5	1.5	1.5	2500	0.25
SHAL	GW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	468						50000	0.025
SHAL	GW	UG/L	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	72	1	1.39%	2.200000048	2.200000048	2.200000048	125000	2.5
SHAL	GW	ug/L	VOA	56-23-5	CARBON TETRACHLORIDE	540						125000	0.035
SHAL	GW	UG/L	VOA	563-58-6	1,1-DICHLOROPROPENE	42						2500	0.25
SHAL	GW	ug/L	VOA	591-78-6	2-HEXANONE	493						500000	0.349999994
SHAL	GW	UG/L	VOA	594-20-7	2,2-DICHLOROPROPANE	42						2500	0.25
SHAL	GW	UG/L	VOA	630-20-6	1,1,1,2-TETRACHLOROETHANE	42						2500	0.25
SHAL	GW	ug/L	VOA	67-64-1	ACETONE	493	28	5.68%	250000	12085.81429	2.099999905	1000000	0.850000024
SHAL	GW	ug/L	VOA	67-66-3	CHLOROFORM	548	4	0.73%	17	6.424999952	2.099999905	125000	0.02
SHAL	GW	ug/L	VOA	71-43-2	BENZENE	598	259	43.31%	23000000	249094.5878	0.052000001	125000	0.0305
SHAL	GW	ug/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	538						125000	0.02
SHAL	GW	ug/L	VOA	74-83-9	BROMOMETHANE	540						250000	0.02
SHAL	GW	ug/L	VOA	74-87-3	CHLOROMETHANE	540	3	0.56%	15.60000038	9.066666683	3.200000048	250000	0.039999999
SHAL	GW	UG/L	VOA	74-95-3	1,2-DIBROMOMETHANE	42						2500	0.25
SHAL	GW	UG/L	VOA	74-97-5	BROMOCHLOROMETHANE	42						2500	0.25
SHAL	GW	ug/L	VOA	75-00-3	CHLOROETHANE	540						250000	0.025
SHAL	GW	ug/L	VOA	75-01-4	VINYL CHLORIDE	540						250000	0.015
SHAL	GW	ug/L	VOA	75-09-2	METHYLENE CHLORIDE	540	39	7.22%	600	37.62051271	1	125000	0.079999998
SHAL	GW	ug/L	VOA	75-15-0	CARBON DISULFIDE	501	6	1.20%	7	2.185000017	0.200000003	125000	0.354999989
SHAL	GW	ug/L	VOA	75-25-2	BROMOFORM	540						125000	0.25
SHAL	GW	ug/L	VOA	75-27-4	BROMODICHLOROMETHANE	540						125000	0.01
SHAL	GW	ug/L	VOA	75-34-3	1,1-DICHLOROETHANE	540						125000	0.02
SHAL	GW	ug/L	VOA	75-35-4	1,1-DICHLOROETHENE	540						125000	0.02
SHAL	GW	UG/L	VOA	75-69-4	TRICHLOROFLUOROMETHANE	47						8000	0.25
SHAL	GW	UG/L	VOA	75-71-8	DICHLORODIFLUOROMETHANE	42						2500	0.25
SHAL	GW	ug/L	VOA	78-87-5	1,2-DICHLOROPROPANE	540	2	0.37%	4.5	3.75	3	125000	0.045000002
SHAL	GW	ug/L	VOA	78-93-3	2-BUTANONE	501	8	1.60%	13	7.37500006	1.799999952	500000	0.449999988
SHAL	GW	ug/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	538	2	0.37%	7.099999905	5.899999857	4.699999809	125000	0.02
SHAL	GW	ug/L	VOA	79-01-6	TRICHLOROETHENE	540						125000	0.025
SHAL	GW	ug/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	538						125000	0.029999999
SHAL	GW	UG/L	VOA	95-47-6	O-XYLENE	242	68	28.10%	41000	7148.535294	0.800000012	2500	0.25
SHAL	GW	UG/L	VOA	95-49-8	2-CHLOROTOLUENE	42						2500	0.25

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
SHAL	GW	UG/L	VOA	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	42						2500	0.25
SHAL	GW	UG/L	VOA	96-18-4	1,2,3-TRICHLOROPROPANE	42						2500	0.25
SHAL	GW	UG/L	VTIC	103-65-1	N-PROPYLBENZENE	42	1	2.38%	118	118	118	2500	0.25
SHAL	GW	UG/L	VTIC	104-51-8	N-BUTYLBENZENE	42	1	2.38%	460	460	460	2500	0.25
SHAL	GW	UG/L	VTIC	135-98-8	SEC-BUTYLBENZENE	42						2500	0.25
SHAL	GW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	297	92	30.98%	9240	289.1044566	0.219999999	50000	0.349999994
SHAL	GW	UG/L	VTIC	95-63-6	1,2,4-TRIMETHYLBENZENE	42	5	11.90%	4065	1288.42	5.099999905	2500	0.25
SHAL	GW	UG/L	VTIC	98-06-6	TERT-BUTYLBENZENE	42						2500	0.25
SHAL	GW	UG/L	VTIC	98-82-8	ISOPROPYLBENZENE	42	2	4.76%	3350	1701.6	53.20000076	2500	0.25
SHAL	GW	UG/L	VTIC	99-87-6	P-ISOPROPYLTOLUENE	42						2500	0.25
SHAL	GW	ug/L	VTIC	methane	METHANE	223	160	71.75%	1200000	29919.2	10	5000	2.5
SOUTH	GW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	39						5	3
SOUTH	GW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	33	32	96.97%	5380	1175.53125	119	9.25	9.25
SOUTH	GW	ug/L	DISMET	7439-92-1	LEAD, DISSOLVED	62	1	1.61%	2	2	2	5	1
SOUTH	GW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	33	33	100.00%	170000	92015.15152	25900		
SOUTH	GW	ug/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	58	58	100.00%	14900	1584.448276	70		
SOUTH	GW	ug/L	DISMET	7439-97-6	MERCURY, DISSOLVED	62						0.100000001	0.028999999
SOUTH	GW	ug/L	DISMET	7440-02-0	NICKEL, DISSOLVED	62	30	48.39%	190	105.9699999	50	200	0.600000024
SOUTH	GW	UG/L	DISMET	7440-22-4	SILVER, DISSOLVED	30	2	6.67%	4	2.5	1	5	0.349999994
SOUTH	GW	UG/L	DISMET	7440-28-0	THALLIUM, DISSOLVED	4						1000	1000
SOUTH	GW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	57	4	7.02%	120	100	90	50	1.700000048
SOUTH	GW	ug/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	62	11	17.74%	17.29999924	10.64545454	3.400000095	2.5	0.5
SOUTH	GW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	57	48	84.21%	970	425.75	110	0.649999976	0.100000001
SOUTH	GW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	57						2.5	0.680000007
SOUTH	GW	ug/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	62	4	6.45%	8	5	2	25	0.25
SOUTH	GW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	57						50	0.5
SOUTH	GW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	37						15	0.560000002
SOUTH	GW	ug/L	DISMET	7440-50-8	COPPER, DISSOLVED	62	1	1.61%	10	10	10	10	0.660000026
SOUTH	GW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	57	2	3.51%	30	20	10	25	0.100000001
SOUTH	GW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	57	43	75.44%	305	87.53023254	20	10	6.800000191
SOUTH	GW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	57	9	15.79%	27.20000076	13.72222222	5.800000191	50	2.244999886
SOUTH	GW	ug/L	GENX	1-00-3	CHLORIDE	67	67	100.00%	14400000	1085653.731	6500		
SOUTH	GW	ug/L	GENX	18496-25-8	SULFIDE	47	7	14.89%	150	87.14285714	60	445	2.5
SOUTH	GW	ug/L	GENX	18496-25-8	SULFIDE, TOTAL	4						250	25
SOUTH	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	62	32	51.61%	1300	202.15625	20	50	2
SOUTH	GW	ug/L	GENX	25-90-0	NITRATE AS N	67	7	10.45%	36300	5470.428571	10	50	5
SOUTH	GW	ug/L	GENX	3-03-5	SULFATE	67	52	77.61%	20199999488	389054191.9	2530	5000	1000
SOUTH	GW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	33	33	100.00%	1250000	604666.6667	352000		
SOUTH	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	63						5000	500
SOUTH	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	67	66	98.51%	1250000	612287.8788	270000	2500	2500
SOUTH	GW	ug/L	GENX	7440-09-7	POTASSIUM	50	36	72.00%	43000	6820.277778	1160	2500	2500
SOUTH	GW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	32	23	71.88%	7500	3490	1310	2500	2500
SOUTH	GW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	12	3	25.00%	6700	6400	5800	2500	2500
SOUTH	GW	ug/L	GENX	7440-23-5	SODIUM	49	49	100.00%	7110000	481278.7755	41700		
SOUTH	GW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	32	32	100.00%	434000	221531.25	41500		
SOUTH	GW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	12	12	100.00%	390000	242916.6667	47000		
SOUTH	GW	ug/L	GENX	7440-70-2	CALCIUM	44	44	100.00%	1160000	197620.4545	71800		
SOUTH	GW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	32	32	100.00%	224000	127746.875	73400		
SOUTH	GW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	12	12	100.00%	204000	136550	85300		
SOUTH	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	40	36	90.00%	1020	196.6944444	60	25	25
SOUTH	GW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	23	11	47.83%	8700	898.8181818	53	35	28.99999809
SOUTH	GW	ug/L	GENX	7727-37-9	NITROGEN, TOTAL	5	3	60.00%	2250	1910	1410	240	120
SOUTH	GW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	33	26	78.79%	2700	625.7692308	110	63	6.25
SOUTH	GW	ug/L	GENX	NH3 total	AMMONIA AS NH3, TOTAL	25	25	100.00%	3480	1196.8	20		
SOUTH	GW	ug/L	GENX	nitrite as N	NITRITE AS N	58	14	24.14%	20	15	10	25	5
SOUTH	GW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	21	5	23.81%	8000	6600	4000	500	500
SOUTH	GW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	21	21	100.00%	3430000	1546476.19	408000		
SOUTH	GW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	58	26	44.83%	3200	1634.076923	406	500	140
SOUTH	GW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	58	45	77.59%	10000	5088.888889	1000	2500	135
SOUTH	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	63	63	100.00%	31600000	3093904.762	430000		
SOUTH	GW	UG/L	PCB	11096-82-5	AROCLOR-1260	1						0.125	0.125
SOUTH	GW	UG/L	PCB	11097-69-1	AROCLOR-1254	1						0.125	0.125
SOUTH	GW	UG/L	PCB	11104-28-2	AROCLOR-1221	1						0.125	0.125
SOUTH	GW	UG/L	PCB	11141-16-5	AROCLOR-1232	1						0.125	0.125
SOUTH	GW	UG/L	PCB	12672-29-6	AROCLOR-1248	1						0.125	0.125
SOUTH	GW	UG/L	PCB	12674-11-2	AROCLOR-1016	1						0.125	0.125
SOUTH	GW	UG/L	PCB	53469-21-9	AROCLOR-1242	1						0.125	0.125
SOUTH	GW	ug/L	SVOA	100-01-6	4-NITROANILINE	56						25	0.800000012
SOUTH	GW	ug/L	SVOA	100-02-7	4-NITROPHENOL	52						25	0.709999979

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
SOUTH	GW	ug/L	SVOA	100-51-6	BENZYL ALCOHOL	56						10	0.850000024
SOUTH	GW	ug/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	56						5	0.221000001
SOUTH	GW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	52						5	0.675000012
SOUTH	GW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	52						5	0.340000004
SOUTH	GW	ug/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	61						50	0.234999999
SOUTH	GW	ug/L	SVOA	106-47-8	4-CHLOROANILINE	56						5	1.149999976
SOUTH	GW	ug/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	56						5	0.200000003
SOUTH	GW	ug/L	SVOA	108-95-2	PHENOL	55						5	0.275000006
SOUTH	GW	ug/L	SVOA	110-86-1	PYRIDINE	52						5	1.850000024
SOUTH	GW	ug/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	56						5	0.275000006
SOUTH	GW	ug/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	56						5	0.171499997
SOUTH	GW	ug/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	56	11	19.64%	31	16.03636369	10.5	5.195000172	4.900000095
SOUTH	GW	ug/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	56						5	0.699999988
SOUTH	GW	ug/L	SVOA	118-74-1	HEXACHLOROBENZENE	56						5	0.730000019
SOUTH	GW	ug/L	SVOA	120-12-7	ANTHRACENE	56						5	0.180000007
SOUTH	GW	ug/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	61						50	0.25
SOUTH	GW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	52						5	0.254999995
SOUTH	GW	ug/L	SVOA	121-14-2	2,4-DINITROTOLUENE	56						5	0.550000012
SOUTH	GW	ug/L	SVOA	129-00-0	PYRENE	56						5	0.370000005
SOUTH	GW	ug/L	SVOA	131-11-3	DIMETHYLPHTHALATE	56						5	0.215000004
SOUTH	GW	ug/L	SVOA	132-64-9	DIBENZOFURAN	56						5	0.171499997
SOUTH	GW	ug/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	56						5	0.25999999
SOUTH	GW	ug/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	56						5	0.800000012
SOUTH	GW	ug/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	56						5	0.275000006
SOUTH	GW	ug/L	SVOA	206-44-0	FLUORANTHENE	56						5	0.405000001
SOUTH	GW	ug/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	56						5	0.219999999
SOUTH	GW	ug/L	SVOA	208-96-8	ACENAPHTHYLENE	56						5	0.200000003
SOUTH	GW	ug/L	SVOA	218-01-9	CHRYSENE	56						5	0.74000001
SOUTH	GW	ug/L	SVOA	50-32-8	BENZO(A)PYRENE	56						5	0.25
SOUTH	GW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	52						25	0.680000007
SOUTH	GW	ug/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	56						5	0.275000006
SOUTH	GW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	52						25	0.5
SOUTH	GW	ug/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	61						50	0.25
SOUTH	GW	ug/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	56						5	0.280000001
SOUTH	GW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	21						3.049999952	0.899999976
SOUTH	GW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	52						5	0.36500001
SOUTH	GW	ug/L	SVOA	606-20-2	2,6-DINITROTOLUENE	56						5	0.379999995
SOUTH	GW	ug/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	56						5	0.409999996
SOUTH	GW	ug/L	SVOA	65-85-0	BENZOIC ACID	56						25	0.600000024
SOUTH	GW	ug/L	SVOA	67-72-1	HEXACHLOROETHANE	56						5	0.610000014
SOUTH	GW	ug/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	56						5	0.175999999
SOUTH	GW	ug/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	56						5	0.25
SOUTH	GW	ug/L	SVOA	78-59-1	ISOPHORONE	56						5	0.289999992
SOUTH	GW	ug/L	SVOA	83-32-9	ACENAPHTHENE	56						5	0.680000007
SOUTH	GW	ug/L	SVOA	84-66-2	DIETHYLPHTHALATE	56						5	0.425500005
SOUTH	GW	ug/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	56						10.60000038	0.425000012
SOUTH	GW	ug/L	SVOA	85-01-8	PHENANTHRENE	56						5	0.714999974
SOUTH	GW	ug/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	56						5	0.488000005
SOUTH	GW	ug/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	56						5	0.850000024
SOUTH	GW	ug/L	SVOA	86-73-7	FLUORENE	56						5	0.234999999
SOUTH	GW	UG/L	SVOA	87-61-6	1,2,3-TRICHLOROBENZENE	5						50	0.25
SOUTH	GW	ug/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	61						50	0.25
SOUTH	GW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	52						25	0.444999993
SOUTH	GW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	52						5	0.294999987
SOUTH	GW	ug/L	SVOA	88-74-4	2-NITROANILINE	56						25	0.453999996
SOUTH	GW	ug/L	SVOA	88-75-5	2-NITROPHENOL	52						5	0.224999994
SOUTH	GW	ug/L	SVOA	91-20-3	NAPHTHALENE	64						50	0.25
SOUTH	GW	ug/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	56						5	0.324999988
SOUTH	GW	ug/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	56						5	0.1875
SOUTH	GW	ug/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	55						10	1.284999967
SOUTH	GW	UG/L	SVOA	95-13-6	1H-INDENE	3						5	5
SOUTH	GW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	55						5	0.275000006
SOUTH	GW	ug/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	61						50	0.25
SOUTH	GW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	52						5	0.159999996
SOUTH	GW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	52						5	0.234999999
SOUTH	GW	ug/L	SVOA	98-95-3	NITROBENZENE	56						5	0.294999987
SOUTH	GW	ug/L	SVOA	99-09-2	3-NITROANILINE	56						25	0.649999976
SOUTH	GW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	33						5	3
SOUTH	GW	ug/L	TOTMET	7439-89-6	IRON, TOTAL	63	62	98.41%	64250	4774.677419	160	15	15

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
SOUTH	GW	ug/L	TOTMET	7439-92-1	LEAD, TOTAL	63	3	4.76%	7.800000191	5.366666794	4	5	1
SOUTH	GW	ug/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	62	62	100.00%	2030000	151321.4516	24200		
SOUTH	GW	ug/L	TOTMET	7439-96-5	MANGANESE, TOTAL	58	58	100.00%	14500	1704.017241	80		
SOUTH	GW	ug/L	TOTMET	7439-97-6	MERCURY, TOTAL	63	1	1.59%	0.200000003	0.200000003	0.200000003	0.100000001	0.0085
SOUTH	GW	ug/L	TOTMET	7440-02-0	NICKEL, TOTAL	62	32	51.61%	280	115.6625	41.90000153	45	0.600000024
SOUTH	GW	UG/L	TOTMET	7440-22-4	SILVER, TOTAL	31	3	9.68%	5	4.333333333	4	5	0.349999994
SOUTH	GW	UG/L	TOTMET	7440-28-0	THALLIUM, TOTAL	4						1000	1000
SOUTH	GW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	57	2	3.51%	100	85	70	50	1.700000048
SOUTH	GW	ug/L	TOTMET	7440-38-2	ARSENIC, TOTAL	63	13	20.63%	22.20000076	9.338461509	4.599999905	2.5	0.5
SOUTH	GW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	58	38	65.52%	610	159.5263158	20	0.649999976	0.100000001
SOUTH	GW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	57						2.5	0.680000007
SOUTH	GW	ug/L	TOTMET	7440-43-9	CADMIUM, TOTAL	63	5	7.94%	11	7.8	3	25	0.25
SOUTH	GW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	58	8	13.79%	180	74.69999981	18	5	0.5
SOUTH	GW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	37	1	2.70%	18	18	18	15	0.560000002
SOUTH	GW	ug/L	TOTMET	7440-50-8	COPPER, TOTAL	62	8	12.90%	290	77.125	10	10	0.660000026
SOUTH	GW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	57	5	8.77%	72	41.2	14	25	0.100000001
SOUTH	GW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	57	8	14.04%	68	35.625	10	10	5
SOUTH	GW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	58	9	15.52%	47.40000153	15.61111106	5.099999905	50	1
SOUTH	GW	ug/L	VOA	100-41-4	ETHYLBENZENE	74						50	0.02
SOUTH	GW	ug/L	VOA	100-42-5	STYRENE	71						50	0.015
SOUTH	GW	ug/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	71						50	0.02
SOUTH	GW	ug/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	71						50	0.015
SOUTH	GW	UG/L	VOA	106-43-4	4-CHLOROTOLUENE	5						50	0.25
SOUTH	GW	UG/L	VOA	106-93-4	1,2-DIBROMOETHANE	5						50	0.25
SOUTH	GW	ug/L	VOA	107-06-2	1,2-DICHLOROETHANE	71						50	0.02
SOUTH	GW	ug/L	VOA	108-05-4	VINYL ACETATE	66						25	0.699999988
SOUTH	GW	ug/L	VOA	108-10-1	4-METHYL-2-PENTANONE	66						25	0.550000012
SOUTH	GW	UG/L	VOA	108-67-8	1,3,5-TRIMETHYLBENZENE	5						50	0.25
SOUTH	GW	UG/L	VOA	108-86-1	BROMOBENZENE	5						50	0.25
SOUTH	GW	ug/L	VOA	108-88-3	TOLUENE	74	2	2.70%	400	200.9	1.799999952	12.5	0.01
SOUTH	GW	ug/L	VOA	108-90-7	CHLOROBENZENE	71						50	0.02
SOUTH	GW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	58						2.5	0.625
SOUTH	GW	ug/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	71						50	0.02
SOUTH	GW	ug/L	VOA	127-18-4	TETRACHLOROETHENE	71						50	0.035
SOUTH	GW	ug/L	VOA	1330-20-7	XYLENES (TOTAL)	74	4	5.41%	3	1.75000003	0.600000024	50	0.25
SOUTH	GW	UG/L	VOA	142-28-9	1,3-DICHLOROPROPANE	5						50	0.25
SOUTH	GW	UG/L	VOA	156-59-2	CIS-1,2-DICHLOROETHENE	5						50	0.25
SOUTH	GW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	63						50	0.025
SOUTH	GW	UG/L	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	8						12.5	2.5
SOUTH	GW	ug/L	VOA	56-23-5	CARBON TETRACHLORIDE	71						50	0.035
SOUTH	GW	UG/L	VOA	563-58-6	1,1-DICHLOROPROPENE	5						50	0.25
SOUTH	GW	ug/L	VOA	591-78-6	2-HEXANONE	66						25	0.349999994
SOUTH	GW	UG/L	VOA	594-20-7	2,2-DICHLOROPROPANE	5						50	0.25
SOUTH	GW	UG/L	VOA	630-20-6	1,1,1,2-TETRACHLOROETHANE	5						50	0.25
SOUTH	GW	ug/L	VOA	67-64-1	ACETONE	66	1	1.52%	8.300000191	8.300000191	8.300000191	50	0.850000024
SOUTH	GW	ug/L	VOA	67-66-3	CHLOROFORM	71						50	0.02
SOUTH	GW	ug/L	VOA	71-43-2	BENZENE	74	6	8.11%	76400	12740.98333	2.5	12.5	0.035
SOUTH	GW	ug/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	71						50	0.02
SOUTH	GW	ug/L	VOA	74-83-9	BROMOMETHANE	71						50	0.02
SOUTH	GW	ug/L	VOA	74-87-3	CHLOROMETHANE	71						50	0.039999999
SOUTH	GW	UG/L	VOA	74-95-3	1,2-DIBROMOMETHANE	5						50	0.25
SOUTH	GW	UG/L	VOA	74-97-5	BROMOCHLOROMETHANE	5						50	0.25
SOUTH	GW	ug/L	VOA	75-00-3	CHLOROETHANE	71						50	0.025
SOUTH	GW	ug/L	VOA	75-01-4	VINYL CHLORIDE	71						50	0.015
SOUTH	GW	ug/L	VOA	75-09-2	METHYLENE CHLORIDE	71	9	12.68%	122	31.08888875	3.900000095	50	0.079999998
SOUTH	GW	ug/L	VOA	75-15-0	CARBON DISULFIDE	66						12.5	0.354999989
SOUTH	GW	ug/L	VOA	75-25-2	BROMOFORM	71						50	0.25
SOUTH	GW	ug/L	VOA	75-27-4	BROMODICHLOROMETHANE	71						50	0.01
SOUTH	GW	ug/L	VOA	75-34-3	1,1-DICHLOROETHANE	71						50	0.02
SOUTH	GW	ug/L	VOA	75-35-4	1,1-DICHLOROETHENE	71						50	0.02
SOUTH	GW	UG/L	VOA	75-69-4	TRICHLOROFLUOROMETHANE	5						50	0.25
SOUTH	GW	UG/L	VOA	75-71-8	DICHLORODIFLUOROMETHANE	5						50	0.25
SOUTH	GW	ug/L	VOA	78-87-5	1,2-DICHLOROPROPANE	71						50	0.045000002
SOUTH	GW	ug/L	VOA	78-93-3	2-BUTANONE	66	1	1.52%	11	11	11	25	0.449999988
SOUTH	GW	ug/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	71						50	0.02
SOUTH	GW	ug/L	VOA	79-01-6	TRICHLOROETHENE	71						50	0.025
SOUTH	GW	ug/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	71						50	0.029999999
SOUTH	GW	UG/L	VOA	95-47-6	O-XYLENE	26	2	7.69%	5.599999905	4.049999952	2.5	50	0.25
SOUTH	GW	UG/L	VOA	95-49-8	2-CHLOROTOLUENE	5						50	0.25

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
SOUTH	GW	UG/L	VOA	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	5						50	0.25
SOUTH	GW	UG/L	VOA	96-18-4	1,2,3-TRICHLOROPROPANE	5						50	0.25
SOUTH	GW	UG/L	VTIC	103-65-1	N-PROPYLBENZENE	5						50	0.25
SOUTH	GW	UG/L	VTIC	104-51-8	N-BUTYLBENZENE	5						50	0.25
SOUTH	GW	UG/L	VTIC	135-98-8	SEC-BUTYLBENZENE	5						50	0.25
SOUTH	GW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	33	5	15.15%	9.600000381	4.360000086	1.200000048	5	0.349999994
SOUTH	GW	UG/L	VTIC	95-63-6	1,2,4-TRIMETHYLBENZENE	5						50	0.25
SOUTH	GW	UG/L	VTIC	98-06-6	TERT-BUTYLBENZENE	5						50	0.25
SOUTH	GW	UG/L	VTIC	98-82-8	ISOPROPYLBENZENE	5						50	0.25
SOUTH	GW	UG/L	VTIC	99-87-6	P-ISOPROPYLTOLUENE	5						50	0.25
SOUTH	GW	ug/L	VTIC	methane	METHANE	30	18	60.00%	100	37.77777778	10	5000	2.5
SOUTH	SB	ug/Kg	METALS	7439-92-1	LEAD	2	1	50.00%	2560	2560	2560	23500	23500
SOUTH	SB	ug/Kg	METALS	7439-97-6	MERCURY	2						100	53.5
SOUTH	SB	ug/Kg	METALS	7440-22-4	SILVER	2	1	50.00%	813	813	813	2450	2450
SOUTH	SB	ug/Kg	METALS	7440-38-2	ARSENIC	2	1	50.00%	2650	2650	2650	45000	45000
SOUTH	SB	ug/Kg	METALS	7440-39-3	BARIUM	2	2	100.00%	1070000	599000	128000		
SOUTH	SB	ug/Kg	METALS	7440-43-9	CADMIUM	2						1500	179
SOUTH	SB	ug/Kg	METALS	7440-47-3	CHROMIUM	2	1	50.00%	11400	11400	11400	2850	2850
SOUTH	SB	ug/Kg	METALS	7782-49-2	SELENIUM	2						74000	112
SOUTH	SB	UG/KG	SVOA	100-01-6	4-NITROANILINE	5						105	95
SOUTH	SB	UG/KG	SVOA	100-51-6	BENZYL ALCOHOL	5						90	80
SOUTH	SB	UG/KG	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	5						90	80
SOUTH	SB	UG/KG	SVOA	106-46-7	1,4-DICHLOROBENZENE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	106-47-8	4-CHLOROANILINE	5						195	175
SOUTH	SB	UG/KG	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5						50	46.5
SOUTH	SB	UG/KG	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	5						50	46.5
SOUTH	SB	UG/KG	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5						65	60
SOUTH	SB	UG/KG	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	5						90	80
SOUTH	SB	UG/KG	SVOA	118-74-1	HEXACHLOROBENZENE	5						65	60
SOUTH	SB	UG/KG	SVOA	120-12-7	ANTHRACENE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	5						65	60
SOUTH	SB	UG/KG	SVOA	121-14-2	2,4-DINITROTOLUENE	5						90	80
SOUTH	SB	UG/KG	SVOA	129-00-0	PYRENE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	131-11-3	DIMETHYLPHTHALATE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	132-64-9	DIBENZOFURAN	5						75	70
SOUTH	SB	UG/KG	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	5						105	95
SOUTH	SB	UG/KG	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	5						105	95
SOUTH	SB	UG/KG	SVOA	205-99-2	BENZO(B)FLUORANTHENE	5	1	20.00%	130	130	130	65	60
SOUTH	SB	UG/KG	SVOA	206-44-0	FLUORANTHENE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	207-08-9	BENZO(K)FLUORANTHENE	5						65	60
SOUTH	SB	UG/KG	SVOA	208-96-8	ACENAPHTHYLENE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	218-01-9	CHRYSENE	5	1	20.00%	240	240	240	65	60
SOUTH	SB	UG/KG	SVOA	50-32-8	BENZO(A)PYRENE	5						90	80
SOUTH	SB	UG/KG	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	5						105	95
SOUTH	SB	UG/KG	SVOA	541-73-1	1,3-DICHLOROBENZENE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	56-55-3	BENZO(A)ANTHRACENE	5						65	60
SOUTH	SB	UG/KG	SVOA	606-20-2	2,6-DINITROTOLUENE	5						90	80
SOUTH	SB	UG/KG	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	5						65	60
SOUTH	SB	UG/KG	SVOA	65-85-0	BENZOIC ACID	5						550	490
SOUTH	SB	UG/KG	SVOA	67-72-1	HEXACHLOROETHANE	5						65	60
SOUTH	SB	UG/KG	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	5						65	60
SOUTH	SB	UG/KG	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	5						650	600
SOUTH	SB	UG/KG	SVOA	78-59-1	ISOPHORONE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	83-32-9	ACENAPHTHENE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	84-66-2	DIETHYLPHTHALATE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	85-01-8	PHENANTHRENE	5	1	20.00%	440	440	440	50	49.5
SOUTH	SB	UG/KG	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	5						65	60
SOUTH	SB	UG/KG	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	86-73-7	FLUORENE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	87-68-3	HEXACHLOROBUTADIENE	5						90	80
SOUTH	SB	UG/KG	SVOA	88-74-4	2-NITROANILINE	5						105	95
SOUTH	SB	UG/KG	SVOA	91-20-3	NAPHTHALENE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	91-57-6	2-METHYLNAPHTHALENE	5						65	60
SOUTH	SB	UG/KG	SVOA	91-58-7	2-CHLORONAPHTHALENE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	5						320	290
SOUTH	SB	UG/KG	SVOA	95-50-1	1,2-DICHLOROBENZENE	5						50	46.5
SOUTH	SB	UG/KG	SVOA	98-95-3	NITROBENZENE	5						50	46.5

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
SOUTH	SB	UG/KG	SVOA	99-09-2	3-NITROANILINE	5						195	175
SOUTH	SB	ug/Kg	VOA	100-41-4	ETHYLBENZENE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	100-42-5	STYRENE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	107-06-2	1,2-DICHLOROETHANE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	108-05-4	VINYL ACETATE	10						385	3.150000095
SOUTH	SB	ug/Kg	VOA	108-10-1	4-METHYL-2-PENTANONE	10						750	6.5
SOUTH	SB	ug/Kg	VOA	108-88-3	TOLUENE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	108-90-7	CHLOROBENZENE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	10						750	2.5
SOUTH	SB	ug/Kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	127-18-4	TETRACHLOROETHENE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	1330-20-7	XYLENES (TOTAL)	10						385	2.5
SOUTH	SB	ug/Kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	56-23-5	CARBON TETRACHLORIDE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	591-78-6	2-HEXANONE	10						750	6.5
SOUTH	SB	ug/Kg	VOA	67-64-1	ACETONE	10	4	40.00%	13000	3507.5	220	50	6.5
SOUTH	SB	ug/Kg	VOA	67-66-3	CHLOROFORM	10						385	2.5
SOUTH	SB	ug/Kg	VOA	71-43-2	BENZENE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	74-83-9	BROMOMETHANE	10						385	3.150000095
SOUTH	SB	ug/Kg	VOA	74-87-3	CHLOROMETHANE	10						385	3.150000095
SOUTH	SB	ug/Kg	VOA	75-00-3	CHLOROETHANE	10						750	3.150000095
SOUTH	SB	ug/Kg	VOA	75-01-4	VINYL CHLORIDE	10						385	3.150000095
SOUTH	SB	ug/Kg	VOA	75-09-2	METHYLENE CHLORIDE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	75-15-0	CARBON DISULFIDE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	75-25-2	BROMOFORM	10						385	2.5
SOUTH	SB	ug/Kg	VOA	75-27-4	BROMODICHLOROMETHANE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	75-34-3	1,1-DICHLOROETHANE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	75-35-4	1,1-DICHLOROETHENE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	78-87-5	1,2-DICHLOROPROPANE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	78-93-3	2-BUTANONE	10						750	6.5
SOUTH	SB	ug/Kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	79-01-6	TRICHLOROETHENE	10						385	2.5
SOUTH	SB	ug/Kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	10						385	2.5
SOUTH	SS	ug/Kg	VOA	100-41-4	ETHYLBENZENE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	100-42-5	STYRENE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	107-06-2	1,2-DICHLOROETHANE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	108-05-4	VINYL ACETATE	5						25	25
SOUTH	SS	ug/Kg	VOA	108-10-1	4-METHYL-2-PENTANONE	5						25	25
SOUTH	SS	ug/Kg	VOA	108-88-3	TOLUENE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	108-90-7	CHLOROBENZENE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	127-18-4	TETRACHLOROETHENE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	1330-20-7	XYLENES (TOTAL)	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	56-23-5	CARBON TETRACHLORIDE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	591-78-6	2-HEXANONE	5						25	25
SOUTH	SS	ug/Kg	VOA	67-64-1	ACETONE	5						50	50
SOUTH	SS	ug/Kg	VOA	67-66-3	CHLOROFORM	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	71-43-2	BENZENE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	74-83-9	BROMOMETHANE	5						5	5
SOUTH	SS	ug/Kg	VOA	74-87-3	CHLOROMETHANE	5						5	5
SOUTH	SS	ug/Kg	VOA	75-00-3	CHLOROETHANE	5						5	5
SOUTH	SS	ug/Kg	VOA	75-01-4	VINYL CHLORIDE	5						5	5
SOUTH	SS	ug/Kg	VOA	75-09-2	METHYLENE CHLORIDE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	75-15-0	CARBON DISULFIDE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	75-25-2	BROMOFORM	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	75-27-4	BROMODICHLOROMETHANE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	75-34-3	1,1-DICHLOROETHANE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	75-35-4	1,1-DICHLOROETHENE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	78-87-5	1,2-DICHLOROPROPANE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	78-93-3	2-BUTANONE	5						25	25
SOUTH	SS	ug/Kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	5						2.5	2.5

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
SOUTH	SS	ug/Kg	VOA	79-01-6	TRICHLOROETHENE	5						2.5	2.5
SOUTH	SS	ug/Kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	5						2.5	2.5
WEST	GW	ug/L	DISMET	18540-29-9	CHROMIUM (VI), DISSOLVED	19						5	3
WEST	GW	ug/L	DISMET	7439-89-6	IRON, DISSOLVED	30	28	93.33%	11400	2904.571429	79	9.25	9.25
WEST	GW	ug/L	DISMET	7439-92-1	LEAD, DISSOLVED	34	2	5.88%	140	70.64999998	1.299999952	1.5	1
WEST	GW	ug/L	DISMET	7439-95-4	MAGNESIUM, DISSOLVED	30	30	100.00%	1040000	243496.6667	18100		
WEST	GW	ug/L	DISMET	7439-96-5	MANGANESE, DISSOLVED	35	34	97.14%	8970	1408.397059	16.5	551	551
WEST	GW	ug/L	DISMET	7439-97-6	MERCURY, DISSOLVED	34						0.100000001	0.028999999
WEST	GW	ug/L	DISMET	7440-02-0	NICKEL, DISSOLVED	35	16	45.71%	320	119.2562504	19	20	0.600000024
WEST	GW	UG/L	DISMET	7440-22-4	SILVER, DISSOLVED	20	1	5.00%	11	11	11	0.904999971	0.349999994
WEST	GW	ug/L	DISMET	7440-36-0	ANTIMONY, DISSOLVED	34	1	2.94%	3.599999905	3.599999905	3.599999905	50	1.700000048
WEST	GW	ug/L	DISMET	7440-38-2	ARSENIC, DISSOLVED	35	12	34.29%	24.39999962	12.62499986	1.299999952	2.5	1.299999952
WEST	GW	ug/L	DISMET	7440-39-3	BARIUM, DISSOLVED	34	24	70.59%	1020	478.4583333	160	0.649999976	0.100000001
WEST	GW	ug/L	DISMET	7440-41-7	BERYLLIUM, DISSOLVED	34						2.5	0.680000007
WEST	GW	ug/L	DISMET	7440-43-9	CADMIUM, DISSOLVED	35	1	2.86%	12	12	12	25	0.25
WEST	GW	ug/L	DISMET	7440-47-3	CHROMIUM, DISSOLVED	34	3	8.82%	2.200000048	1.466666698	1	50	0.5
WEST	GW	ug/L	DISMET	7440-48-4	COBALT, DISSOLVED	30	5	16.67%	17	5.920000005	1.899999976	15	0.560000002
WEST	GW	ug/L	DISMET	7440-50-8	COPPER, DISSOLVED	35	3	8.57%	7.400000095	3.833333373	1.600000024	15	0.660000026
WEST	GW	ug/L	DISMET	7440-62-2	VANADIUM, DISSOLVED	34	4	11.76%	21	9.50000003	1.600000024	25	0.100000001
WEST	GW	ug/L	DISMET	7440-66-6	ZINC, DISSOLVED	34	23	67.65%	364	129.0956523	9.399999619	6.849999905	6.800000191
WEST	GW	ug/L	DISMET	7782-49-2	SELENIUM, DISSOLVED	34	10	29.41%	28.89999962	15.87999997	6.599999905	5	2.244999886
WEST	GW	ug/L	GENX	1-00-3	CHLORIDE	38	38	100.00%	16300000	3944342.105	41900		
WEST	GW	ug/L	GENX	18496-25-8	SULFIDE	30	9	30.00%	1600	355.8888889	11	445	2.5
WEST	GW	ug/L	GENX	18496-25-8	SULFIDE, TOTAL	2						25	25
WEST	GW	ug/L	GENX	226750-80-0	ORTHOPHOSPHATE AS P	37	21	56.76%	710	216.4761905	10	25	2
WEST	GW	ug/L	GENX	25-90-0	NITRATE AS N	37	11	29.73%	1000000	91552.63636	58	50	6.25
WEST	GW	ug/L	GENX	3-03-5	SULFATE	38	34	89.47%	4760000	1325144.118	35500	4660000	1000
WEST	GW	ug/L	GENX	477520-60-0	ALKALINITY, TOTAL	30	30	100.00%	1520000	810600	192000		
WEST	GW	ug/L	GENX	477730-60-0	ALKALINITY, CARB.	37						5000	500
WEST	GW	ug/L	GENX	477923-70-0	ALKALINITY, BICARB.	38	38	100.00%	1520000	818868.4211	192000		
WEST	GW	ug/L	GENX	7440-09-7	POTASSIUM	27	27	100.00%	395000	111443.7037	3500		
WEST	GW	ug/L	GENX	7440-09-7	POTASSIUM, DISSOLVED	31	31	100.00%	432000	95979.80645	514		
WEST	GW	ug/L	GENX	7440-09-7	POTASSIUM, TOTAL	13	13	100.00%	419000	109292.3077	1600		
WEST	GW	ug/L	GENX	7440-23-5	SODIUM	27	24	88.89%	10100000	3149954.583	60800	38.40000153	38.40000153
WEST	GW	ug/L	GENX	7440-23-5	SODIUM, DISSOLVED	31	28	90.32%	12900000	2785771.429	41800	21.60000038	21.60000038
WEST	GW	ug/L	GENX	7440-23-5	SODIUM, TOTAL	13	13	100.00%	12400000	3688769.231	135000		
WEST	GW	ug/L	GENX	7440-70-2	CALCIUM	26	26	100.00%	715000	260769.2308	21800		
WEST	GW	ug/L	GENX	7440-70-2	CALCIUM, DISSOLVED	31	31	100.00%	587000	178106.4516	24500		
WEST	GW	ug/L	GENX	7440-70-2	CALCIUM, TOTAL	13	13	100.00%	550000	189146.1538	42200		
WEST	GW	ug/L	GENX	7723-14-0	PHOSPHORUS	17	16	94.12%	420	164.9375	51		
WEST	GW	ug/L	GENX	7723-14-0	PHOSPHORUS, TOTAL	20	15	75.00%	1100	366.2	93	145	30
WEST	GW	ug/L	GENX	7727-37-9	NITROGEN, TOTAL	1	1	100.00%	1880	1880	1880		
WEST	GW	ug/L	GENX	ammonia NH3	AMMONIA AS NH3	30	29	96.67%	21000	1605.482759	99	6.25	6.25
WEST	GW	ug/L	GENX	NH3 total	AMMONIA AS NH3, TOTAL	6	6	100.00%	8100	2893.333333	840		
WEST	GW	ug/L	GENX	nitrite as N	NITRITE AS N	36	3	8.33%	120	80	10	50	5
WEST	GW	ug/L	GENX	Q595	TOTAL SUSPENDED SOLIDS	19	14	73.68%	7540000	633214.2857	4000	500	500
WEST	GW	ug/L	GENX	Q597	TOTAL SOLIDS (RESIDUE)	19	19	100.00%	40300000	11135263.16	440000		
WEST	GW	ug/L	GENX	ST-T-00625	NITROGEN-TKN	36	31	86.11%	17600	2464.612903	470	500	140
WEST	GW	ug/L	GENX	ST-T-00680	TOTAL ORGANIC CARBON	36	36	100.00%	16000	7192.222222	1600		
WEST	GW	ug/L	GENX	tds	TOTAL DISSOLVED SOLIDS	37	37	100.00%	42800000	9483945.946	420000		
WEST	GW	ug/L	SVOA	100-01-6	4-NITROANILINE	38						25	0.800000012
WEST	GW	ug/L	SVOA	100-02-7	4-NITROPHENOL	35						25	0.709999979
WEST	GW	ug/L	SVOA	100-51-6	BENZYL ALCOHOL	38						10	0.850000024
WEST	GW	ug/L	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	38						5	0.221000001
WEST	GW	ug/L	SVOA	105-67-9	2,4-DIMETHYLPHENOL	35						5	0.675000012
WEST	GW	ug/L	SVOA	106-44-5	4-METHYLPHENOL	35						5	0.340000004
WEST	GW	ug/L	SVOA	106-46-7	1,4-DICHLOROBENZENE	39						5	0.234999999
WEST	GW	ug/L	SVOA	106-47-8	4-CHLOROANILINE	38						5	1
WEST	GW	ug/L	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	38						5	0.200000003
WEST	GW	ug/L	SVOA	108-95-2	PHENOL	35						5	0.275000006
WEST	GW	ug/L	SVOA	110-86-1	PYRIDINE	36						10	1.850000024
WEST	GW	ug/L	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	38						5	0.275000006
WEST	GW	ug/L	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	38						5	0.171499997
WEST	GW	ug/L	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	38	6	15.79%	38	19.63333344	6.099999905	32.70000076	2.049999952
WEST	GW	ug/L	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	38						5	0.699999988
WEST	GW	ug/L	SVOA	118-74-1	HEXACHLOROBENZENE	38						5	0.730000019
WEST	GW	ug/L	SVOA	120-12-7	ANTHRACENE	38						5	0.180000007
WEST	GW	ug/L	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	39						5	0.25
WEST	GW	ug/L	SVOA	120-83-2	2,4-DICHLOROPHENOL	35						5	0.254999995

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
WEST	GW	ug/L	SVOA	121-14-2	2,4-DINITROTOLUENE	38						5	0.550000012
WEST	GW	ug/L	SVOA	129-00-0	PYRENE	38						5	0.370000005
WEST	GW	ug/L	SVOA	131-11-3	DIMETHYLPHTHALATE	38						5	0.215000004
WEST	GW	ug/L	SVOA	132-64-9	DIBENZOFURAN	38						5	0.171499997
WEST	GW	ug/L	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	38						5	0.25999999
WEST	GW	ug/L	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	38						5	0.800000012
WEST	GW	ug/L	SVOA	205-99-2	BENZO(B)FLUORANTHENE	38						5	0.275000006
WEST	GW	ug/L	SVOA	206-44-0	FLUORANTHENE	38						5	0.405000001
WEST	GW	ug/L	SVOA	207-08-9	BENZO(K)FLUORANTHENE	38						5	0.219999999
WEST	GW	ug/L	SVOA	208-96-8	ACENAPHTHYLENE	38						5	0.200000003
WEST	GW	ug/L	SVOA	218-01-9	CHRYSENE	38						5	0.74000001
WEST	GW	ug/L	SVOA	50-32-8	BENZO(A)PYRENE	38						5	0.25
WEST	GW	ug/L	SVOA	51-28-5	2,4-DINITROPHENOL	35						25	0.680000007
WEST	GW	ug/L	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	38						5	0.275000006
WEST	GW	ug/L	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	35						25	0.5
WEST	GW	ug/L	SVOA	541-73-1	1,3-DICHLOROBENZENE	39						5	0.25
WEST	GW	ug/L	SVOA	56-55-3	BENZO(A)ANTHRACENE	38						5	0.280000001
WEST	GW	ug/L	SVOA	57-97-6	7,12-DIMETHYLBENZ(A)ANTHRACENE	19						3.049999952	0.899999976
WEST	GW	ug/L	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	35						5	0.36500001
WEST	GW	ug/L	SVOA	606-20-2	2,6-DINITROTOLUENE	38						5	0.379999995
WEST	GW	ug/L	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	38						5	0.409999996
WEST	GW	ug/L	SVOA	65-85-0	BENZOIC ACID	38	2	5.26%	11.10000038	10.75	10.39999962	25	0.600000024
WEST	GW	ug/L	SVOA	67-72-1	HEXACHLOROETHANE	38						5	0.610000014
WEST	GW	ug/L	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	38						5	0.175999999
WEST	GW	ug/L	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	38						25	0.25
WEST	GW	ug/L	SVOA	78-59-1	ISOPHORONE	38						5	0.289999992
WEST	GW	ug/L	SVOA	83-32-9	ACENAPHTHENE	38						5	0.5
WEST	GW	ug/L	SVOA	84-66-2	DIETHYLPHTHALATE	38	1	2.63%	5.800000191	5.800000191	5.800000191	5	0.425500005
WEST	GW	ug/L	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	38	3	7.89%	2.700000048	2.033333302	1.299999952	5	0.425000012
WEST	GW	ug/L	SVOA	85-01-8	PHENANTHRENE	38						5	0.5
WEST	GW	ug/L	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	38						5	0.488000005
WEST	GW	ug/L	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	38						5	0.5
WEST	GW	ug/L	SVOA	86-73-7	FLUORENE	38	3	7.89%	8.800000191	7.03333346	6	5	0.234999999
WEST	GW	UG/L	SVOA	87-61-6	1,2,3-TRICHLOROBENZENE	1						0.25	0.25
WEST	GW	ug/L	SVOA	87-68-3	HEXACHLOROBUTADIENE	39						5	0.25
WEST	GW	ug/L	SVOA	87-86-5	PENTACHLOROPHENOL	35						25	0.444999993
WEST	GW	ug/L	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	35						5	0.294999987
WEST	GW	ug/L	SVOA	88-74-4	2-NITROANILINE	38						25	0.453999996
WEST	GW	ug/L	SVOA	88-75-5	2-NITROPHENOL	35						5	0.224999994
WEST	GW	ug/L	SVOA	91-20-3	NAPHTHALENE	39	4	10.26%	13.5	6.649999976	2.599999905	5	0.25
WEST	GW	ug/L	SVOA	91-57-6	2-METHYLNAPHTHALENE	38	2	5.26%	4	2.699999988	1.399999976	5	0.324999988
WEST	GW	ug/L	SVOA	91-58-7	2-CHLORONAPHTHALENE	38						5	0.1875
WEST	GW	ug/L	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	37						25	1.284999967
WEST	GW	ug/L	SVOA	95-48-7	2-METHYLPHENOL	35						5	0.275000006
WEST	GW	ug/L	SVOA	95-50-1	1,2-DICHLOROBENZENE	39						5	0.25
WEST	GW	ug/L	SVOA	95-57-8	2-CHLOROPHENOL	35						5	0.159999996
WEST	GW	ug/L	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	35						5	0.234999999
WEST	GW	ug/L	SVOA	98-95-3	NITROBENZENE	38						5	0.294999987
WEST	GW	ug/L	SVOA	99-09-2	3-NITROANILINE	38						25	0.649999976
WEST	GW	ug/L	TOTMET	18540-29-9	CHROMIUM (VI), TOTAL	28						5	3
WEST	GW	ug/L	TOTMET	7439-89-6	IRON, TOTAL	36	34	94.44%	310000	22137.17647	309	10	9.25
WEST	GW	ug/L	TOTMET	7439-92-1	LEAD, TOTAL	35	5	14.29%	150	34.56000006	1.899999976	5	1
WEST	GW	ug/L	TOTMET	7439-95-4	MAGNESIUM, TOTAL	35	35	100.00%	1320000	278612.8571	18400		
WEST	GW	ug/L	TOTMET	7439-96-5	MANGANESE, TOTAL	35	34	97.14%	9600	1906.852941	344	0.150000006	0.150000006
WEST	GW	ug/L	TOTMET	7439-97-6	MERCURY, TOTAL	32	2	6.25%	0.280000001	0.171	0.061999999	0.100000001	0.0085
WEST	GW	ug/L	TOTMET	7440-02-0	NICKEL, TOTAL	35	19	54.29%	430	142.3684211	2.099999905	20	0.600000024
WEST	GW	UG/L	TOTMET	7440-22-4	SILVER, TOTAL	18	1	5.56%	11	11	11	0.904999971	0.349999994
WEST	GW	ug/L	TOTMET	7440-36-0	ANTIMONY, TOTAL	34						50	1.700000048
WEST	GW	ug/L	TOTMET	7440-38-2	ARSENIC, TOTAL	35	20	57.14%	1000	61.00650003	0.930000007	2.5	1.549999952
WEST	GW	ug/L	TOTMET	7440-39-3	BARIUM, TOTAL	33	21	63.64%	1770	326.5714286	36	0.649999976	0.100000001
WEST	GW	ug/L	TOTMET	7440-41-7	BERYLLIUM, TOTAL	34						2.5	0.680000007
WEST	GW	ug/L	TOTMET	7440-43-9	CADMIUM, TOTAL	35	3	8.57%	19.79999924	12.09999975	1.5	2.5	0.25
WEST	GW	ug/L	TOTMET	7440-47-3	CHROMIUM, TOTAL	34	16	47.06%	3610	275.4875	2.5	5	0.5
WEST	GW	ug/L	TOTMET	7440-48-4	COBALT, TOTAL	30	7	23.33%	153	32.05714284	2.200000048	15	0.560000002
WEST	GW	ug/L	TOTMET	7440-50-8	COPPER, TOTAL	35	11	31.43%	774	152.4545455	12	20	0.660000026
WEST	GW	ug/L	TOTMET	7440-62-2	VANADIUM, TOTAL	34	10	29.41%	878	175.8	11	25	0.100000001
WEST	GW	ug/L	TOTMET	7440-66-6	ZINC, TOTAL	34	14	41.18%	589	91.78571408	5.800000191	6.849999905	5
WEST	GW	ug/L	TOTMET	7782-49-2	SELENIUM, TOTAL	33	5	15.15%	22.39999962	7.949999881	0.850000024	2.5	2.244999886
WEST	GW	ug/L	VOA	100-41-4	ETHYLBENZENE	41	4	9.76%	323	97.19999984	1.100000024	2.5	0.02

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
WEST	GW	ug/L	VOA	100-42-5	STYRENE	41						2.5	0.015
WEST	GW	ug/L	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	41						2.5	0.02
WEST	GW	ug/L	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	41						2.5	0.015
WEST	GW	UG/L	VOA	106-43-4	4-CHLOROTOLUENE	1						0.25	0.25
WEST	GW	UG/L	VOA	106-93-4	1,2-DIBROMOETHANE	1						0.25	0.25
WEST	GW	ug/L	VOA	107-06-2	1,2-DICHLOROETHANE	41						2.5	0.02
WEST	GW	ug/L	VOA	108-05-4	VINYL ACETATE	40						25	0.699999988
WEST	GW	ug/L	VOA	108-10-1	4-METHYL-2-PENTANONE	40						25	0.550000012
WEST	GW	UG/L	VOA	108-67-8	1,3,5-TRIMETHYLBENZENE	1						0.25	0.25
WEST	GW	UG/L	VOA	108-86-1	BROMOBENZENE	1						0.25	0.25
WEST	GW	ug/L	VOA	108-88-3	TOLUENE	41	2	4.88%	81.80000305	42.3000015	2.799999952	2.5	0.01
WEST	GW	ug/L	VOA	108-90-7	CHLOROBENZENE	41	2	4.88%	4.900000095	4.700000048	4.5	2.5	0.02
WEST	GW	ug/L	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	37						2.5	0.625
WEST	GW	ug/L	VOA	124-48-1	DIBROMOCHLOROMETHANE	41						2.5	0.02
WEST	GW	ug/L	VOA	127-18-4	TETRACHLOROETHENE	41						2.5	0.035
WEST	GW	ug/L	VOA	1330-20-7	XYLENES (TOTAL)	41	4	9.76%	1240	335.8999995	1.600000024	2.5	0.25
WEST	GW	UG/L	VOA	142-28-9	1,3-DICHLOROPROPANE	1						0.25	0.25
WEST	GW	UG/L	VOA	156-59-2	CIS-1,2-DICHLOROETHENE	1						0.25	0.25
WEST	GW	ug/L	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	38						2.5	0.025
WEST	GW	UG/L	VOA	540-59-0	1,2-DICHLOROETHENE (TOTAL)	3						2.5	2.5
WEST	GW	ug/L	VOA	56-23-5	CARBON TETRACHLORIDE	41						2.5	0.035
WEST	GW	UG/L	VOA	563-58-6	1,1-DICHLOROPROPENE	1						0.25	0.25
WEST	GW	ug/L	VOA	591-78-6	2-HEXANONE	40						25	0.349999994
WEST	GW	UG/L	VOA	594-20-7	2,2-DICHLOROPROPANE	1						0.25	0.25
WEST	GW	UG/L	VOA	630-20-6	1,1,1,2-TETRACHLOROETHANE	1						0.25	0.25
WEST	GW	ug/L	VOA	67-64-1	ACETONE	40	3	7.50%	18.79999924	8.166666428	2.700000048	50	0.850000024
WEST	GW	ug/L	VOA	67-66-3	CHLOROFORM	41						2.5	0.02
WEST	GW	ug/L	VOA	71-43-2	BENZENE	41	7	17.07%	208	32.4528571	0.370000005	2.5	0.035
WEST	GW	ug/L	VOA	71-55-6	1,1,1-TRICHLOROETHANE	41						2.5	0.02
WEST	GW	ug/L	VOA	74-83-9	BROMOMETHANE	41						5	0.02
WEST	GW	ug/L	VOA	74-87-3	CHLOROMETHANE	41						5	0.039999999
WEST	GW	UG/L	VOA	74-95-3	1,2-DIBROMOMETHANE	1						0.25	0.25
WEST	GW	UG/L	VOA	74-97-5	BROMOCHLOROMETHANE	1						0.25	0.25
WEST	GW	ug/L	VOA	75-00-3	CHLOROETHANE	41						5	0.025
WEST	GW	ug/L	VOA	75-01-4	VINYL CHLORIDE	41						5	0.015
WEST	GW	ug/L	VOA	75-09-2	METHYLENE CHLORIDE	41	1	2.44%	1.5	1.5	1.5	39.79999924	0.079999998
WEST	GW	ug/L	VOA	75-15-0	CARBON DISULFIDE	40	1	2.50%	7	7	7	2.5	0.354999989
WEST	GW	ug/L	VOA	75-25-2	BROMOFORM	41						2.5	0.25
WEST	GW	ug/L	VOA	75-27-4	BROMODICHLOROMETHANE	41						2.5	0.01
WEST	GW	ug/L	VOA	75-34-3	1,1-DICHLOROETHANE	41						2.5	0.02
WEST	GW	ug/L	VOA	75-35-4	1,1-DICHLOROETHENE	41						2.5	0.02
WEST	GW	UG/L	VOA	75-69-4	TRICHLOROFLUOROMETHANE	1						0.25	0.25
WEST	GW	UG/L	VOA	75-71-8	DICHLORODIFLUOROMETHANE	1						0.25	0.25
WEST	GW	ug/L	VOA	78-87-5	1,2-DICHLOROPROPANE	41						2.5	0.045000002
WEST	GW	ug/L	VOA	78-93-3	2-BUTANONE	40	2	5.00%	13	9.900000095	6.800000191	25	0.449999988
WEST	GW	ug/L	VOA	79-00-5	1,1,2-TRICHLOROETHANE	41						2.5	0.02
WEST	GW	ug/L	VOA	79-01-6	TRICHLOROETHENE	41						2.5	0.025
WEST	GW	ug/L	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	41						2.5	0.029999999
WEST	GW	UG/L	VOA	95-47-6	O-XYLENE	20	3	15.00%	986	351.400001	1.399999976	0.550000012	0.25
WEST	GW	UG/L	VOA	95-49-8	2-CHLOROTOLUENE	1						0.25	0.25
WEST	GW	UG/L	VOA	96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1						0.25	0.25
WEST	GW	UG/L	VOA	96-18-4	1,2,3-TRICHLOROPROPANE	1						0.25	0.25
WEST	GW	UG/L	VTIC	103-65-1	N-PROPYLBENZENE	1						0.25	0.25
WEST	GW	UG/L	VTIC	104-51-8	N-BUTYLBENZENE	1						0.25	0.25
WEST	GW	UG/L	VTIC	135-98-8	SEC-BUTYLBENZENE	1						0.25	0.25
WEST	GW	ug/L	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	30	19	63.33%	40.5	11.01052629	0.219999999	2.5	0.349999994
WEST	GW	UG/L	VTIC	95-63-6	1,2,4-TRIMETHYLBENZENE	1						0.25	0.25
WEST	GW	UG/L	VTIC	98-06-6	TERT-BUTYLBENZENE	1						0.25	0.25
WEST	GW	UG/L	VTIC	98-82-8	ISOPROPYLBENZENE	1						0.25	0.25
WEST	GW	UG/L	VTIC	99-87-6	P-ISOPROPYLTOLUENE	1						0.25	0.25
WEST	GW	ug/L	VTIC	methane	METHANE	17	16	94.12%	25000	1872.375	10	5	5
WEST	SB	ug/Kg	GENX	7440-09-7	POTASSIUM	5	5	100.00%	2150000	1303800	439000		
WEST	SB	ug/Kg	GENX	7440-23-5	SODIUM	5	3	60.00%	3800000	2196666.667	1220000	596000	483000
WEST	SB	ug/Kg	GENX	7440-70-2	CALCIUM	5	5	100.00%	32900000	14686000	7240000		
WEST	SB	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	5	5	100.00%	3970000	3292000	2620000		
WEST	SB	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	5						65	60
WEST	SB	ug/Kg	METALS	7439-89-6	IRON	5	5	100.00%	47900000	45580000	43000000		
WEST	SB	ug/Kg	METALS	7439-92-1	LEAD	7	7	100.00%	92700	15042.85714	1700		
WEST	SB	ug/Kg	METALS	7439-95-4	MAGNESIUM	5	5	100.00%	16000000	13240000	11500000		

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
WEST	SB	ug/Kg	METALS	7439-96-5	MANGANESE	5	5	100.00%	1670000	1175400	567000		
WEST	SB	ug/Kg	METALS	7439-97-6	MERCURY	7	5	71.43%	16	10.08000002	6.400000095	100	48
WEST	SB	ug/Kg	METALS	7440-02-0	NICKEL	5	5	100.00%	10800	9260	7600		
WEST	SB	ug/Kg	METALS	7440-22-4	SILVER	2	1	50.00%	821	821	821	2450	2450
WEST	SB	ug/Kg	METALS	7440-36-0	ANTIMONY	1	1	100.00%	480	480	480		
WEST	SB	ug/Kg	METALS	7440-38-2	ARSENIC	7	6	85.71%	4100	2766.666667	1800	45000	45000
WEST	SB	ug/Kg	METALS	7440-39-3	BARIUM	7	7	100.00%	183000	115271.4286	59900		
WEST	SB	ug/Kg	METALS	7440-41-7	BERYLLIUM	5						340	240
WEST	SB	ug/Kg	METALS	7440-43-9	CADMIUM	7	5	71.43%	1700	1540	1200	1500	161.5
WEST	SB	ug/Kg	METALS	7440-47-3	CHROMIUM	7	6	85.71%	47500	20000	13000	2850	2850
WEST	SB	ug/Kg	METALS	7440-48-4	COBALT	5	5	100.00%	26200	22680	19800		
WEST	SB	ug/Kg	METALS	7440-50-8	COPPER	5	5	100.00%	105000	87980	74200		
WEST	SB	ug/Kg	METALS	7440-62-2	VANADIUM	5	5	100.00%	167000	141800	130000		
WEST	SB	ug/Kg	METALS	7440-66-6	ZINC	5	5	100.00%	98300	86480	75000		
WEST	SB	ug/Kg	METALS	7782-49-2	SELENIUM	7						74000	115.5
WEST	SB	ug/kg	SVOA	100-01-6	4-NITROANILINE	7						1050	90
WEST	SB	ug/kg	SVOA	100-02-7	4-NITROPHENOL	5						1050	1000
WEST	SB	ug/kg	SVOA	100-51-6	BENZYL ALCOHOL	7						215	80
WEST	SB	ug/kg	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	7						215	80
WEST	SB	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	5						215	205
WEST	SB	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	5						215	205
WEST	SB	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	7						215	45.5
WEST	SB	ug/kg	SVOA	106-47-8	4-CHLOROANILINE	7						215	170
WEST	SB	ug/kg	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	7						215	45.5
WEST	SB	ug/kg	SVOA	108-95-2	PHENOL	5						215	205
WEST	SB	ug/kg	SVOA	110-86-1	PYRIDINE	5						430	410
WEST	SB	ug/kg	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	7						215	45.5
WEST	SB	ug/kg	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	7						215	45.5
WEST	SB	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	7	1	14.29%	150	150	150	215	60
WEST	SB	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	7						215	80
WEST	SB	ug/kg	SVOA	118-74-1	HEXACHLOROBENZENE	7						215	55
WEST	SB	ug/kg	SVOA	120-12-7	ANTHRACENE	7						215	45.5
WEST	SB	ug/kg	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	7						215	55
WEST	SB	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	5						215	205
WEST	SB	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	7						215	80
WEST	SB	ug/kg	SVOA	129-00-0	PYRENE	7						215	45.5
WEST	SB	ug/kg	SVOA	131-11-3	DIMETHYLPHTHALATE	7						215	45.5
WEST	SB	ug/kg	SVOA	132-64-9	DIBENZOFURAN	7						215	70
WEST	SB	ug/kg	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	7						215	90
WEST	SB	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	7						215	90
WEST	SB	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	7						215	55
WEST	SB	ug/kg	SVOA	206-44-0	FLUORANTHENE	7						215	45.5
WEST	SB	ug/kg	SVOA	207-08-9	BENZO(K)FLUORANTHENE	7						215	55
WEST	SB	ug/kg	SVOA	208-96-8	ACENAPHTHYLENE	7						215	45.5
WEST	SB	ug/kg	SVOA	218-01-9	CHRYSENE	7						215	55
WEST	SB	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	7						215	80
WEST	SB	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	5						1050	1000
WEST	SB	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	7						215	90
WEST	SB	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	5						1050	1000
WEST	SB	ug/kg	SVOA	541-73-1	1,3-DICHLOROBENZENE	7						215	45.5
WEST	SB	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	7						215	55
WEST	SB	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	5						215	205
WEST	SB	ug/kg	SVOA	606-20-2	2,6-DINITROTOLUENE	7						215	80
WEST	SB	ug/kg	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	7						215	55
WEST	SB	ug/kg	SVOA	65-85-0	BENZOIC ACID	7						1050	480
WEST	SB	ug/kg	SVOA	67-72-1	HEXACHLOROETHANE	7						215	55
WEST	SB	ug/kg	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	7						215	55
WEST	SB	ug/kg	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	7						1050	550
WEST	SB	ug/kg	SVOA	78-59-1	ISOPHORONE	7						215	45.5
WEST	SB	ug/kg	SVOA	83-32-9	ACENAPHTHENE	7						215	45.5
WEST	SB	ug/kg	SVOA	84-66-2	DIETHYLPHTHALATE	7						430	45.5
WEST	SB	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	7						215	45.5
WEST	SB	ug/kg	SVOA	85-01-8	PHENANTHRENE	7						215	45.5
WEST	SB	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	7						215	55
WEST	SB	ug/kg	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	7						215	45.5
WEST	SB	ug/kg	SVOA	86-73-7	FLUORENE	7						215	45.5
WEST	SB	ug/kg	SVOA	87-68-3	HEXACHLOROBUTADIENE	7						215	80
WEST	SB	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	5						1050	1000
WEST	SB	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	5						215	205

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
WEST	SB	ug/kg	SVOA	88-74-4	2-NITROANILINE	7						1050	90
WEST	SB	ug/kg	SVOA	88-75-5	2-NITROPHENOL	5						215	205
WEST	SB	ug/kg	SVOA	91-20-3	NAPHTHALENE	7						215	45.5
WEST	SB	ug/kg	SVOA	91-57-6	2-METHYLNAPHTHALENE	7						215	55
WEST	SB	ug/kg	SVOA	91-58-7	2-CHLORONAPHTHALENE	7						215	45.5
WEST	SB	ug/kg	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	7						1050	285
WEST	SB	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	5						215	205
WEST	SB	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	7						215	45.5
WEST	SB	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	5						215	205
WEST	SB	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	5						215	205
WEST	SB	ug/kg	SVOA	98-95-3	NITROBENZENE	7						215	45.5
WEST	SB	ug/kg	SVOA	99-09-2	3-NITROANILINE	7						1050	170
WEST	SB	ug/kg	VOA	100-41-4	ETHYLBENZENE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	100-42-5	STYRENE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	108-05-4	VINYL ACETATE	7						6.5	2.849999905
WEST	SB	ug/kg	VOA	108-10-1	4-METHYL-2-PENTANONE	7						13	5.5
WEST	SB	ug/kg	VOA	108-88-3	TOLUENE	7	2	28.57%	1.299999952	1.199999988	1.100000024	3.25	2.849999905
WEST	SB	ug/kg	VOA	108-90-7	CHLOROBENZENE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	7						32.5	2.849999905
WEST	SB	ug/kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	7						3.099999905	1.549999952
WEST	SB	ug/kg	VOA	56-23-5	CARBON TETRACHLORIDE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	591-78-6	2-HEXANONE	7						13	5.5
WEST	SB	ug/kg	VOA	67-64-1	ACETONE	7	7	100.00%	59	34.40000003	9.800000191		
WEST	SB	ug/kg	VOA	67-66-3	CHLOROFORM	7						6.5	2.849999905
WEST	SB	ug/kg	VOA	71-43-2	BENZENE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	7	6	85.71%	12	2.981666674	0.790000021	3.099999905	3.099999905
WEST	SB	ug/kg	VOA	74-83-9	BROMOMETHANE	7						6.5	2.849999905
WEST	SB	ug/kg	VOA	74-87-3	CHLOROMETHANE	7						6.5	2.849999905
WEST	SB	ug/kg	VOA	75-00-3	CHLOROETHANE	7						6.5	2.849999905
WEST	SB	ug/kg	VOA	75-01-4	VINYL CHLORIDE	7						6.5	2.849999905
WEST	SB	ug/kg	VOA	75-09-2	METHYLENE CHLORIDE	7	1	14.29%	0.75	0.75	0.75	6.5	2.849999905
WEST	SB	ug/kg	VOA	75-15-0	CARBON DISULFIDE	7	1	14.29%	0.660000026	0.660000026	0.660000026	3.25	2.849999905
WEST	SB	ug/kg	VOA	75-25-2	BROMOFORM	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	75-27-4	BROMODICHLOROMETHANE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	75-34-3	1,1-DICHLOROETHANE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	78-87-5	1,2-DICHLOROPROPANE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	78-93-3	2-BUTANONE	7	4	57.14%	9	6.149999976	4.699999809	13	5.5
WEST	SB	ug/kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	79-01-6	TRICHLOROETHENE	7						3.25	2.849999905
WEST	SB	ug/kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	7						3.25	2.849999905
WEST	SB	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	5						13	12.5
WEST	SS	ug/Kg	GENX	7440-09-7	POTASSIUM	5	5	100.00%	2350000	1199800	244000		
WEST	SS	ug/Kg	GENX	7440-23-5	SODIUM	5	2	40.00%	3590000	2295000	1000000	712000	312000
WEST	SS	ug/Kg	GENX	7440-70-2	CALCIUM	5	5	100.00%	30200000	20182000	8910000		
WEST	SS	ug/Kg	GENX	ST-T-00680	TOTAL ORGANIC CARBON	5	5	100.00%	9110000	6054000	4280000		
WEST	SS	ug/Kg	METALS	18540-29-9	CHROMIUM (VI)	5						65	60
WEST	SS	ug/Kg	METALS	7439-89-6	IRON	5	5	100.00%	43000000	38200000	31500000		
WEST	SS	ug/Kg	METALS	7439-92-1	LEAD	5	5	100.00%	6200	3720	2900		
WEST	SS	ug/Kg	METALS	7439-95-4	MAGNESIUM	5	5	100.00%	16700000	13258000	9620000		
WEST	SS	ug/Kg	METALS	7439-96-5	MANGANESE	5	5	100.00%	1430000	1119800	973000		
WEST	SS	ug/Kg	METALS	7439-97-6	MERCURY	5	5	100.00%	19	12.6	6		
WEST	SS	ug/Kg	METALS	7440-02-0	NICKEL	5	5	100.00%	10100	8440	7000		
WEST	SS	ug/Kg	METALS	7440-36-0	ANTIMONY	2	2	100.00%	610	585	560		
WEST	SS	ug/Kg	METALS	7440-38-2	ARSENIC	5	5	100.00%	7000	3800	1700		
WEST	SS	ug/Kg	METALS	7440-39-3	BARIUM	5	5	100.00%	108000	89320	70400		
WEST	SS	ug/Kg	METALS	7440-41-7	BERYLLIUM	5						330	230
WEST	SS	ug/Kg	METALS	7440-43-9	CADMIUM	5	5	100.00%	2000	1580	1400		
WEST	SS	ug/Kg	METALS	7440-47-3	CHROMIUM	5	5	100.00%	14400	13280	11900		
WEST	SS	ug/Kg	METALS	7440-48-4	COBALT	5	5	100.00%	24300	21200	17300		
WEST	SS	ug/Kg	METALS	7440-50-8	COPPER	5	5	100.00%	94600	77320	62200		
WEST	SS	ug/Kg	METALS	7440-62-2	VANADIUM	5	5	100.00%	142000	133600	121000		
WEST	SS	ug/Kg	METALS	7440-66-6	ZINC	5	5	100.00%	98000	80220	62800		

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
WEST	SS	ug/Kg	METALS	7782-49-2	SELENIUM	5	2	40.00%	410	380	350	1600	1550
WEST	SS	ug/kg	SVOA	100-01-6	4-NITROANILINE	5						1000	950
WEST	SS	ug/kg	SVOA	100-02-7	4-NITROPHENOL	5						1000	950
WEST	SS	ug/kg	SVOA	100-51-6	BENZYL ALCOHOL	5						210	195
WEST	SS	ug/kg	SVOA	101-55-3	4-BROMOPHENYL PHENYLETHER	5						210	195
WEST	SS	ug/kg	SVOA	105-67-9	2,4-DIMETHYLPHENOL	5						210	195
WEST	SS	ug/kg	SVOA	106-44-5	4-METHYLPHENOL	5						210	195
WEST	SS	ug/kg	SVOA	106-46-7	1,4-DICHLOROBENZENE	5						210	195
WEST	SS	ug/kg	SVOA	106-47-8	4-CHLOROANILINE	5						210	195
WEST	SS	ug/kg	SVOA	108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	5						210	195
WEST	SS	ug/kg	SVOA	108-95-2	PHENOL	5						210	195
WEST	SS	ug/kg	SVOA	110-86-1	PYRIDINE	5						420	390
WEST	SS	ug/kg	SVOA	111-44-4	BIS(2-CHLOROETHYL)ETHER	5						210	195
WEST	SS	ug/kg	SVOA	111-91-1	BIS(2-CHLOROETHOXY)METHANE	5						210	195
WEST	SS	ug/kg	SVOA	117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	5						210	195
WEST	SS	ug/kg	SVOA	117-84-0	DI-N-OCTYL PHTHALATE	5						210	195
WEST	SS	ug/kg	SVOA	118-74-1	HEXACHLOROBENZENE	5						210	195
WEST	SS	ug/kg	SVOA	120-12-7	ANTHRACENE	5						210	195
WEST	SS	ug/kg	SVOA	120-82-1	1,2,4-TRICHLOROBENZENE	5						210	195
WEST	SS	ug/kg	SVOA	120-83-2	2,4-DICHLOROPHENOL	5						210	195
WEST	SS	ug/kg	SVOA	121-14-2	2,4-DINITROTOLUENE	5						210	195
WEST	SS	ug/kg	SVOA	129-00-0	PYRENE	5						210	195
WEST	SS	ug/kg	SVOA	131-11-3	DIMETHYLPHTHALATE	5						210	195
WEST	SS	ug/kg	SVOA	132-64-9	DIBENZOFURAN	5						210	195
WEST	SS	ug/kg	SVOA	191-24-2	BENZO(G,H,I)PERYLENE	5						210	195
WEST	SS	ug/kg	SVOA	193-39-5	INDENO(1,2,3-CD)PYRENE	5						210	195
WEST	SS	ug/kg	SVOA	205-99-2	BENZO(B)FLUORANTHENE	5						210	195
WEST	SS	ug/kg	SVOA	206-44-0	FLUORANTHENE	5						210	195
WEST	SS	ug/kg	SVOA	207-08-9	BENZO(K)FLUORANTHENE	5						210	195
WEST	SS	ug/kg	SVOA	208-96-8	ACENAPHTHYLENE	5						210	195
WEST	SS	ug/kg	SVOA	218-01-9	CHRYSENE	5						210	195
WEST	SS	ug/kg	SVOA	50-32-8	BENZO(A)PYRENE	5						210	195
WEST	SS	ug/kg	SVOA	51-28-5	2,4-DINITROPHENOL	5						1000	950
WEST	SS	ug/kg	SVOA	53-70-3	DIBENZ(A,H)ANTHRACENE	5						210	195
WEST	SS	ug/kg	SVOA	534-52-1	4,6-DINITRO-2-METHYLPHENOL	5						1000	950
WEST	SS	ug/kg	SVOA	541-73-1	1,3-DICHLOROBENZENE	5						210	195
WEST	SS	ug/kg	SVOA	56-55-3	BENZO(A)ANTHRACENE	5						210	195
WEST	SS	ug/kg	SVOA	59-50-7	4-CHLORO-3-METHYLPHENOL	5						210	195
WEST	SS	ug/kg	SVOA	606-20-2	2,6-DINITROTOLUENE	5						210	195
WEST	SS	ug/kg	SVOA	621-64-7	N-NITROSO-DI-N-PROPYLAMINE	5						210	195
WEST	SS	ug/kg	SVOA	65-85-0	BENZOIC ACID	5						1000	950
WEST	SS	ug/kg	SVOA	67-72-1	HEXACHLOROETHANE	5						210	195
WEST	SS	ug/kg	SVOA	7005-72-3	4-CHLOROPHENYL-PHENYLETHER	5						210	195
WEST	SS	ug/kg	SVOA	77-47-4	HEXACHLOROCYCLOPENTADIENE	5						1000	950
WEST	SS	ug/kg	SVOA	78-59-1	ISOPHORONE	5						210	195
WEST	SS	ug/kg	SVOA	83-32-9	ACENAPHTHENE	5						210	195
WEST	SS	ug/kg	SVOA	84-66-2	DIETHYLPHTHALATE	5						420	390
WEST	SS	ug/kg	SVOA	84-74-2	DI-N-BUTYLPHTHALATE	5						210	195
WEST	SS	ug/kg	SVOA	85-01-8	PHENANTHRENE	5						210	195
WEST	SS	ug/kg	SVOA	85-68-7	BUTYLBENZYL PHTHALATE	5						210	195
WEST	SS	ug/kg	SVOA	86-30-6	N-NITROSODIPHENYLAMINE	5						210	195
WEST	SS	ug/kg	SVOA	86-73-7	FLUORENE	5						210	195
WEST	SS	ug/kg	SVOA	87-68-3	HEXACHLOROBUTADIENE	5						210	195
WEST	SS	ug/kg	SVOA	87-86-5	PENTACHLOROPHENOL	5						1000	950
WEST	SS	ug/kg	SVOA	88-06-2	2,4,6-TRICHLOROPHENOL	5						210	195
WEST	SS	ug/kg	SVOA	88-74-4	2-NITROANILINE	5						1000	950
WEST	SS	ug/kg	SVOA	88-75-5	2-NITROPHENOL	5						210	195
WEST	SS	ug/kg	SVOA	91-20-3	NAPHTHALENE	5						210	195
WEST	SS	ug/kg	SVOA	91-57-6	2-METHYLNAPHTHALENE	5						210	195
WEST	SS	ug/kg	SVOA	91-58-7	2-CHLORONAPHTHALENE	5						210	195
WEST	SS	ug/kg	SVOA	91-94-1	3,3'-DICHLOROBENZIDINE	5						1000	950
WEST	SS	ug/kg	SVOA	95-48-7	2-METHYLPHENOL	5						210	195
WEST	SS	ug/kg	SVOA	95-50-1	1,2-DICHLOROBENZENE	5						210	195
WEST	SS	ug/kg	SVOA	95-57-8	2-CHLOROPHENOL	5						210	195
WEST	SS	ug/kg	SVOA	95-95-4	2,4,5-TRICHLOROPHENOL	5						210	195
WEST	SS	ug/kg	SVOA	98-95-3	NITROBENZENE	5						210	195
WEST	SS	ug/kg	SVOA	99-09-2	3-NITROANILINE	5						1000	950
WEST	SS	ug/kg	VOA	100-41-4	ETHYLBENZENE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	100-42-5	STYRENE	5						3.200000048	2.950000048

Area	SAMPLE_TYPE	UNIT	TEST_GROUP	CAS	PARAMETER	Total Samples	Total Detects	DF	MaxDet	AvgDet	MinDet	MaxDL	MinDL
WEST	SS	ug/kg	VOA	10061-01-5	CIS-1,3-DICHLOROPROPENE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	10061-02-6	TRANS-1,3-DICHLOROPROPENE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	107-06-2	1,2-DICHLOROETHANE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	108-05-4	VINYL ACETATE	5						6.5	6
WEST	SS	ug/kg	VOA	108-10-1	4-METHYL-2-PENTANONE	5						12.5	12
WEST	SS	ug/kg	VOA	108-88-3	TOLUENE	5	2	40.00%	1.899999976	1.5	1.100000024	3.200000048	3
WEST	SS	ug/kg	VOA	108-90-7	CHLOROBENZENE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	110-75-8	2-CHLOROETHYL VINYL ETHER	5						32	29.5
WEST	SS	ug/kg	VOA	124-48-1	DIBROMOCHLOROMETHANE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	127-18-4	TETRACHLOROETHENE	5	1	20.00%	1.200000048	1.200000048	1.200000048	3.200000048	3
WEST	SS	ug/kg	VOA	1330-20-7	XYLENES (TOTAL)	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	156-60-5	TRANS-1,2-DICHLOROETHENE	5						1.600000024	1.5
WEST	SS	ug/kg	VOA	56-23-5	CARBON TETRACHLORIDE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	591-78-6	2-HEXANONE	5						12.5	12
WEST	SS	ug/kg	VOA	67-64-1	ACETONE	5	3	60.00%	82	39.33333333	13	12.5	12.5
WEST	SS	ug/kg	VOA	67-66-3	CHLOROFORM	5						6.5	6
WEST	SS	ug/kg	VOA	71-43-2	BENZENE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	71-55-6	1,1,1-TRICHLOROETHANE	5	4	80.00%	2.299999952	1.327499986	0.670000017	3.200000048	3.200000048
WEST	SS	ug/kg	VOA	74-83-9	BROMOMETHANE	5						6.5	6
WEST	SS	ug/kg	VOA	74-87-3	CHLOROMETHANE	5						6.5	6
WEST	SS	ug/kg	VOA	75-00-3	CHLOROETHANE	5						6.5	6
WEST	SS	ug/kg	VOA	75-01-4	VINYL CHLORIDE	5						6.5	6
WEST	SS	ug/kg	VOA	75-09-2	METHYLENE CHLORIDE	5	3	60.00%	1.799999952	1.566666643	1.100000024	6.400000095	6.099999905
WEST	SS	ug/kg	VOA	75-15-0	CARBON DISULFIDE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	75-25-2	BROMOFORM	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	75-27-4	BROMODICHLOROMETHANE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	75-34-3	1,1-DICHLOROETHANE	5	1	20.00%	0.810000002	0.810000002	0.810000002	3.200000048	3
WEST	SS	ug/kg	VOA	75-35-4	1,1-DICHLOROETHENE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	78-87-5	1,2-DICHLOROPROPANE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	78-93-3	2-BUTANONE	5	2	40.00%	11	8.200000048	5.400000095	12.5	12.5
WEST	SS	ug/kg	VOA	79-00-5	1,1,2-TRICHLOROETHANE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	79-01-6	TRICHLOROETHENE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VOA	79-34-5	1,1,2,2-TETRACHLOROETHANE	5						3.200000048	2.950000048
WEST	SS	ug/kg	VTIC	1634-04-4	TERT-BUTYL METHYL ETHER	5						12.5	12

Area	SAMPLE_TYPE	CAS	PARAMETER	Total Samples	Total Detects	DF	AvgDet	MinDet	MaxDet
AES	GW	78-93-3	2-BUTANONE	53	4	7.55%	5.100000024	1.799999952	10
AES	GW	91-57-6	2-METHYLNAPHTHALENE	52	2	3.85%	2.5	2.299999952	2.700000048
AES	GW	67-64-1	ACETONE	53	3	5.66%	14.69999949	2.5	37.09999847
AES	GW	71-43-2	BENZENE	55	26	47.27%	134570.5746	2	450000
AES	GW	108-90-7	CHLOROBENZENE	55	6	10.91%	9.5	7	14
AES	GW	67-66-3	CHLOROFORM	55	1	1.82%	3.099999905	3.099999905	3.099999905
AES	GW	74-87-3	CHLOROMETHANE	55	1	1.82%	8.399999619	8.399999619	8.399999619
AES	GW	100-41-4	ETHYLBENZENE	55	13	23.64%	925.6976923	14.06999969	2600
AES	GW	86-73-7	FLUORENE	52	2	3.85%	3	2.900000095	3.099999905
AES	GW	7439-97-6	MERCURY, DISSOLVED	48	1	2.08%	0.028999999	0.028999999	0.028999999
AES	GW	7439-97-6	MERCURY, TOTAL	52	7	13.46%	0.84642856	0.075000003	1.799999952
AES	GW	75-09-2	METHYLENE CHLORIDE	55	4	7.27%	9.699999988	3.700000048	20.5
AES	GW	91-20-3	NAPHTHALENE	54	20	37.04%	38.85	10	80
AES	GW	95-47-6	O-XYLENE	20	1	5.00%	0.800000012	0.800000012	0.800000012
AES	GW	1634-04-4	TERT-BUTYL METHYL ETHER	28	10	35.71%	12.56099993	0.409999996	56
AES	GW	108-88-3	TOLUENE	55	17	30.91%	3850.917647	2.910000086	20000
AES	GW	1330-20-7	XYLENES (TOTAL)	55	15	27.27%	8421.24	118.5999985	30000
MAREAS	GW	67-64-1	ACETONE	9	3	33.33%	2.799999952	2.099999905	4.099999905
MAREAS	GW	75-15-0	CARBON DISULFIDE	9	1	11.11%	0.310000002	0.310000002	0.310000002
MAREAS	GW	7439-97-6	MERCURY, TOTAL	9	3	33.33%	0.51666668	0.029999999	1.200000048
MAREAS	GW	75-09-2	METHYLENE CHLORIDE	9	1	11.11%	19.5	19.5	19.5
MAREAS	GW	1634-04-4	TERT-BUTYL METHYL ETHER	9	7	77.78%	3.800000054	1.700000048	5.300000191
MAREAS	GW	1330-20-7	XYLENES (TOTAL)	9	1	11.11%	1.299999952	1.299999952	1.299999952
ONSITE_JE	GW	91-57-6	2-METHYLNAPHTHALENE	5	1	20.00%	2.599999905	2.599999905	2.599999905
ONSITE_JE	GW	83-32-9	ACENAPHTHENE	5	1	20.00%	2.200000048	2.200000048	2.200000048
ONSITE_JE	GW	67-64-1	ACETONE	9	1	11.11%	18	18	18
ONSITE_JE	GW	71-43-2	BENZENE	11	2	18.18%	1650	1100	2200
ONSITE_JE	GW	75-15-0	CARBON DISULFIDE	9	1	11.11%	3.400000095	3.400000095	3.400000095
ONSITE_JE	GW	100-41-4	ETHYLBENZENE	11	2	18.18%	68	39	97
ONSITE_JE	GW	86-73-7	FLUORENE	5	1	20.00%	7.699999809	7.699999809	7.699999809
ONSITE_JE	GW	91-20-3	NAPHTHALENE	7	1	14.29%	9.399999619	9.399999619	9.399999619
ONSITE_JE	GW	108-88-3	TOLUENE	11	1	9.09%	150	150	150
ONSITE_JE	GW	1330-20-7	XYLENES (TOTAL)	11	3	27.27%	106.1266666	1.679999948	310

Table??
Preliminary Remediation Goals - Groundwater Vapor Intrusion Modeling
CPC Puerto Rico, Core, Inc.

Area	Medium	Chemical	PRG-C	PRG-NC	PRG-Final	PRG-Basis
AES-Admin	GW	2-BUTANONE		9.14E+04	9.14E+04	C
AES-Admin	GW	2-METHYLNAPHTHALENE		3.13E+01	3.13E+01	NC
AES-Admin	GW	ACETONE		9.20E+03	9.20E+03	C
AES-Admin	GW	BENZENE	1.15E+00	1.02E+01	1.15E+00	C
AES-Admin	GW	CHLOROBENZENE		2.95E+01	2.95E+01	NC
AES-Admin	GW	CHLOROFORM	5.56E-01	1.37E+00	5.56E-01	NC
AES-Admin	GW	CHLOROMETHANE	3.37E+00	6.52E+01	3.37E+00	NC
AES-Admin	GW	ETHYLBENZENE	6.94E+00	2.77E+02	6.94E+00	C
AES-Admin	GW	FLUORENE		2.10E+03	2.10E+03	NC
AES-Admin	GW	MERCURY, DISSOLVED		9.41E-02	9.41E-02	NC
AES-Admin	GW	MERCURY, TOTAL		9.41E-02	9.41E-02	C
AES-Admin	GW	METHYLENE CHLORIDE	4.05E+01	2.04E+03	4.05E+01	NC
AES-Admin	GW	NAPHTHALENE		7.35E+00	7.35E+00	C
AES-Admin	GW	O-XYLENE		2.45E+02	2.45E+02	C
AES-Admin	GW	TERT-BUTYL METHYL ETHER	5.43E+02	5.82E+03	5.43E+02	NC
AES-Admin	GW	TOLUENE		1.14E+02	1.14E+02	NC
AES-Admin	GW	XYLENES (TOTAL)		2.45E+02	2.45E+02	C
AES-Coal	GW	2-BUTANONE		1.08E+05	1.08E+05	C
AES-Coal	GW	2-METHYLNAPHTHALENE		5.41E+01	5.41E+01	NC
AES-Coal	GW	ACETONE		1.06E+04	1.06E+04	C
AES-Coal	GW	BENZENE	2.82E+00	2.51E+01	2.82E+00	C
AES-Coal	GW	CHLOROBENZENE		7.26E+01	7.26E+01	NC
AES-Coal	GW	CHLOROFORM	1.26E+00	3.11E+00	1.26E+00	NC
AES-Coal	GW	CHLOROMETHANE	8.18E+00	1.58E+02	8.18E+00	NC
AES-Coal	GW	ETHYLBENZENE	1.86E+01	7.44E+02	1.86E+01	C
AES-Coal	GW	FLUORENE		2.58E+03	2.58E+03	NC
AES-Coal	GW	MERCURY, DISSOLVED		3.02E-01	3.02E-01	NC
AES-Coal	GW	MERCURY, TOTAL		3.02E-01	3.02E-01	C
AES-Coal	GW	METHYLENE CHLORIDE	8.23E+01	4.14E+03	8.23E+01	NC
AES-Coal	GW	NAPHTHALENE		1.24E+01	1.24E+01	C
AES-Coal	GW	O-XYLENE		6.02E+02	6.02E+02	C
AES-Coal	GW	TERT-BUTYL METHYL ETHER	8.66E+02	9.28E+03	8.66E+02	NC
AES-Coal	GW	TOLUENE		2.91E+02	2.91E+02	NC
AES-Coal	GW	XYLENES (TOTAL)		6.02E+02	6.02E+02	C
MAREAS	GW	ACETONE		3.38E+02	3.38E+02	NC
MAREAS	GW	CARBON DISULFIDE		5.18E+00	5.18E+00	NC
MAREAS	GW	MERCURY, TOTAL		9.19E-03	9.19E-03	NC
MAREAS	GW	METHYLENE CHLORIDE	1.84E+00	1.11E+02	1.84E+00	C
MAREAS	GW	TERT-BUTYL METHYL ETHER	1.97E+01	2.53E+02	1.97E+01	NC
MAREAS	GW	XYLENES (TOTAL)		1.79E+01	1.79E+01	NC
ONSITE_JE	GW	2-METHYLNAPHTHALENE		5.13E+01	5.13E+01	NC
ONSITE_JE	GW	ACENAPHTHENE		2.52E+03	2.52E+03	NC
ONSITE_JE	GW	ACETONE		1.81E+04	1.81E+04	NC
ONSITE_JE	GW	BENZENE	1.27E+00	1.13E+01	1.27E+00	C
ONSITE_JE	GW	CARBON DISULFIDE		4.87E+01	4.87E+01	C
ONSITE_JE	GW	ETHYLBENZENE	6.66E+00	2.66E+02	6.66E+00	C
ONSITE_JE	GW	FLUORENE		4.03E+03	4.03E+03	C
ONSITE_JE	GW	NAPHTHALENE		1.22E+01	1.22E+01	C
ONSITE_JE	GW	TOLUENE		1.20E+02	1.20E+02	C
ONSITE_JE	GW	XYLENES (TOTAL)		1.97E+02	1.97E+02	C

Area	Risk Scenarios	STD_LOCATION_CODE	COLLECTION_DATE	CAS	PARAMETER	Result	QUAL	UNIT	Final-prg	PRG-Basis	Exceed?
AES	JE_ADMIN	GP-409	12-Feb-01	71-43-2	BENZENE	4200	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-131	13-Jul-98	71-43-2	BENZENE	290000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-131	15-Dec-98	71-43-2	BENZENE	140000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-131	15-Jun-99	71-43-2	BENZENE	170000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-131	15-Nov-99	71-43-2	BENZENE	12000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-162	9-Jul-98	71-43-2	BENZENE	390000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-162	15-Dec-98	71-43-2	BENZENE	270000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-162	15-Nov-99	71-43-2	BENZENE	100000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-163	9-Jul-98	71-43-2	BENZENE	240000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-163	15-Dec-98	71-43-2	BENZENE	53000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-163	15-Jun-99	71-43-2	BENZENE	260000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-163	15-Nov-99	71-43-2	BENZENE	87000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-164	9-Jul-98	71-43-2	BENZENE	93000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-164	15-Dec-98	71-43-2	BENZENE	49000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-164	15-Jun-99	71-43-2	BENZENE	26000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-164	15-Nov-99	71-43-2	BENZENE	14000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-165	9-Jul-98	71-43-2	BENZENE	430000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-165	15-Dec-98	71-43-2	BENZENE	450000	=	ug/L	1145.713949	C	Y
AES	JE_ADMIN	MW-165	15-Nov-99	71-43-2	BENZENE	420000	=	ug/L	1145.713949	C	Y
AES	JE_COAL	GP-409	12-Feb-01	71-43-2	BENZENE	4200	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-131	13-Jul-98	71-43-2	BENZENE	290000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-131	15-Dec-98	71-43-2	BENZENE	140000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-131	15-Jun-99	71-43-2	BENZENE	170000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-131	15-Nov-99	71-43-2	BENZENE	12000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-162	9-Jul-98	71-43-2	BENZENE	390000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-162	15-Dec-98	71-43-2	BENZENE	270000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-162	15-Nov-99	71-43-2	BENZENE	100000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-163	9-Jul-98	71-43-2	BENZENE	240000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-163	15-Dec-98	71-43-2	BENZENE	53000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-163	15-Jun-99	71-43-2	BENZENE	260000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-163	15-Nov-99	71-43-2	BENZENE	87000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-164	9-Jul-98	71-43-2	BENZENE	93000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-164	15-Dec-98	71-43-2	BENZENE	49000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-164	15-Jun-99	71-43-2	BENZENE	26000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-164	15-Nov-99	71-43-2	BENZENE	14000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-165	9-Jul-98	71-43-2	BENZENE	430000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-165	15-Dec-98	71-43-2	BENZENE	450000	=	ug/L	2824.088725	C	Y
AES	JE_COAL	MW-165	15-Nov-99	71-43-2	BENZENE	420000	=	ug/L	2824.088725	C	Y
ONSITE_JE	JE_ADMIN_CPCPRC	MW-111	28-Oct-94	71-43-2	BENZENE	2200	=	UG/L	1270.93164	C	Y
AES	JE_ADMIN	GP-404	5-Feb-01	78-93-3	2-BUTANONE	1.799999952	J	ug/L	91427931.76	NC	
AES	JE_ADMIN	GP-404	5-Feb-01	67-64-1	ACETONE	2.5	J	ug/L	9197147.26	NC	
AES	JE_ADMIN	GP-406	6-Feb-01	78-93-3	2-BUTANONE	2.299999952	J	ug/L	91427931.76	NC	
AES	JE_ADMIN	GP-406	6-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	1.100000024	J	ug/L	543327.0339	C	
AES	JE_ADMIN	GP-407	6-Feb-01	78-93-3	2-BUTANONE	10	=	ug/L	91427931.76	NC	
AES	JE_ADMIN	GP-407	6-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	0.409999996	J	ug/L	543327.0339	C	
AES	JE_ADMIN	GP-408	6-Feb-01	78-93-3	2-BUTANONE	6.300000191	J	ug/L	91427931.76	NC	
AES	JE_ADMIN	GP-408	6-Feb-01	67-64-1	ACETONE	4.5	J	ug/L	9197147.26	NC	
AES	JE_ADMIN	GP-408	6-Feb-01	74-87-3	CHLOROMETHANE	8.399999619	=	ug/L	3367.242142	C	
AES	JE_ADMIN	GP-408	6-Feb-01	7439-97-6	MERCURY, TOTAL	0.109999999	=	ug/L	94.07693544	NC	
AES	JE_ADMIN	GP-408	6-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	56	=	ug/L	543327.0339	C	
AES	JE_ADMIN	GP-409	12-Feb-01	91-57-6	2-METHYLNAPHTHALENE	2.700000048	J	ug/L	31345.24954	NC	
AES	JE_ADMIN	GP-409	12-Feb-01	100-41-4	ETHYLBENZENE	620	=	ug/L	6942.360468	C	
AES	JE_ADMIN	GP-409	12-Feb-01	86-73-7	FLUORENE	2.900000095	J	ug/L	2096969.941	NC	
AES	JE_ADMIN	GP-409	12-Feb-01	91-20-3	NAPHTHALENE	16	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	GP-409	12-Feb-01	108-88-3	TOLUENE	1500	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	GP-410	12-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	1.100000024	J	ug/L	543327.0339	C	
AES	JE_ADMIN	GP-411	8-Feb-01	91-57-6	2-METHYLNAPHTHALENE	2.299999952	J	ug/L	31345.24954	NC	
AES	JE_ADMIN	GP-411	8-Feb-01	71-43-2	BENZENE	290	=	ug/L	1145.713949	C	

Area	Risk Scenarios	STD_LOCATION_CODE	COLLECTION_DATE	CAS	PARAMETER	Result	QUAL	UNIT	Final-prg	PRG-Basis	Exceed?
AES	JE_ADMIN	GP-411	8-Feb-01	100-41-4	ETHYLBENZENE	210	=	ug/L	6942.360468	C	
AES	JE_ADMIN	GP-411	8-Feb-01	86-73-7	FLUORENE	3.099999905	J	ug/L	2096969.941	NC	
AES	JE_ADMIN	GP-411	8-Feb-01	91-20-3	NAPHTHALENE	10	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	GP-411	8-Feb-01	108-88-3	TOLUENE	16	J	ug/L	114224.9864	NC	
AES	JE_ADMIN	GP-412	8-Feb-01	7439-97-6	MERCURY, TOTAL	0.075000003	=	ug/L	94.07693544	NC	
AES	JE_ADMIN	MW-131	13-Jul-98	108-90-7	CHLOROBENZENE	9	=	ug/L	29548.68677	NC	
AES	JE_ADMIN	MW-131	13-Jul-98	100-41-4	ETHYLBENZENE	1100	=	ug/L	6942.360468	C	
AES	JE_ADMIN	MW-131	13-Jul-98	91-20-3	NAPHTHALENE	26	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-131	13-Jul-98	108-88-3	TOLUENE	7800	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-131	15-Dec-98	91-20-3	NAPHTHALENE	50	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-131	15-Dec-98	108-88-3	TOLUENE	6000	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-131	15-Jun-99	7439-97-6	MERCURY, TOTAL	0.400000006	=	ug/L	94.07693544	NC	
AES	JE_ADMIN	MW-131	15-Jun-99	91-20-3	NAPHTHALENE	43	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-131	15-Jun-99	108-88-3	TOLUENE	6000	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-131	15-Nov-99	100-41-4	ETHYLBENZENE	670	=	ug/L	6942.360468	C	
AES	JE_ADMIN	MW-132	28-Oct-94	71-43-2	BENZENE	3.799999952	=	UG/L	1145.713949	C	
AES	JE_ADMIN	MW-132	28-Oct-94	95-47-6	O-XYLENE	0.800000012	=	UG/L	245444.1584	NC	
AES	JE_ADMIN	MW-132	28-Oct-94	108-88-3	TOLUENE	20	=	UG/L	114224.9864	NC	
AES	JE_ADMIN	MW-132	15-Dec-98	71-43-2	BENZENE	2	=	ug/L	1145.713949	C	
AES	JE_ADMIN	MW-132	15-Jun-99	71-43-2	BENZENE	16.73999977	=	ug/L	1145.713949	C	
AES	JE_ADMIN	MW-132	15-Jun-99	100-41-4	ETHYLBENZENE	14.06999969	=	ug/L	6942.360468	C	
AES	JE_ADMIN	MW-132	15-Jun-99	108-88-3	TOLUENE	10.68999958	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-132	15-Nov-99	71-43-2	BENZENE	50	=	ug/L	1145.713949	C	
AES	JE_ADMIN	MW-162	9-Jul-98	108-90-7	CHLOROBENZENE	9	=	ug/L	29548.68677	NC	
AES	JE_ADMIN	MW-162	9-Jul-98	100-41-4	ETHYLBENZENE	1800	=	ug/L	6942.360468	C	
AES	JE_ADMIN	MW-162	9-Jul-98	91-20-3	NAPHTHALENE	51	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-162	9-Jul-98	108-88-3	TOLUENE	5000	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-162	15-Dec-98	91-20-3	NAPHTHALENE	51	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-162	15-Jun-99	71-43-2	BENZENE	128.7700043	=	ug/L	1145.713949	C	
AES	JE_ADMIN	MW-162	15-Jun-99	7439-97-6	MERCURY, TOTAL	1.799999952	=	ug/L	94.07693544	NC	
AES	JE_ADMIN	MW-162	15-Jun-99	91-20-3	NAPHTHALENE	80	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-162	15-Nov-99	100-41-4	ETHYLBENZENE	880	=	ug/L	6942.360468	C	
AES	JE_ADMIN	MW-162	15-Nov-99	91-20-3	NAPHTHALENE	35	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-162	15-Nov-99	108-88-3	TOLUENE	200	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-163	9-Jul-98	108-90-7	CHLOROBENZENE	9	=	ug/L	29548.68677	NC	
AES	JE_ADMIN	MW-163	9-Jul-98	100-41-4	ETHYLBENZENE	1000	=	ug/L	6942.360468	C	
AES	JE_ADMIN	MW-163	9-Jul-98	91-20-3	NAPHTHALENE	25	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-163	9-Jul-98	108-88-3	TOLUENE	1100	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-163	15-Dec-98	91-20-3	NAPHTHALENE	20	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-163	15-Jun-99	7439-97-6	MERCURY, TOTAL	1.100000024	=	ug/L	94.07693544	NC	
AES	JE_ADMIN	MW-163	15-Jun-99	91-20-3	NAPHTHALENE	37	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-163	15-Nov-99	100-41-4	ETHYLBENZENE	480	=	ug/L	6942.360468	C	
AES	JE_ADMIN	MW-163	15-Nov-99	91-20-3	NAPHTHALENE	40	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-163	15-Nov-99	108-88-3	TOLUENE	150	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-164	9-Jul-98	108-90-7	CHLOROBENZENE	14	=	ug/L	29548.68677	NC	
AES	JE_ADMIN	MW-164	9-Jul-98	100-41-4	ETHYLBENZENE	980	=	ug/L	6942.360468	C	
AES	JE_ADMIN	MW-164	9-Jul-98	91-20-3	NAPHTHALENE	16	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-164	9-Jul-98	108-88-3	TOLUENE	85	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-164	15-Dec-98	91-20-3	NAPHTHALENE	13	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-164	15-Nov-99	108-90-7	CHLOROBENZENE	7	=	ug/L	29548.68677	NC	
AES	JE_ADMIN	MW-164	15-Nov-99	100-41-4	ETHYLBENZENE	280	=	ug/L	6942.360468	C	
AES	JE_ADMIN	MW-164	15-Nov-99	91-20-3	NAPHTHALENE	16	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-164	15-Nov-99	108-88-3	TOLUENE	81	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-165	9-Jul-98	108-90-7	CHLOROBENZENE	9	=	ug/L	29548.68677	NC	
AES	JE_ADMIN	MW-165	9-Jul-98	100-41-4	ETHYLBENZENE	1400	=	ug/L	6942.360468	C	
AES	JE_ADMIN	MW-165	9-Jul-98	91-20-3	NAPHTHALENE	38	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-165	9-Jul-98	108-88-3	TOLUENE	4500	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-165	15-Dec-98	91-20-3	NAPHTHALENE	71	=	ug/L	7347.393861	NC	

Area	Risk Scenarios	STD_LOCATION_CODE	COLLECTION_DATE	CAS	PARAMETER	Result	QUAL	UNIT	Final-prg	PRG-Basis	Exceed?
AES	JE_ADMIN	MW-165	15-Dec-98	108-88-3	TOLUENE	20000	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-165	15-Jun-99	71-43-2	BENZENE	143.6300049	=	ug/L	1145.713949	C	
AES	JE_ADMIN	MW-165	15-Jun-99	7439-97-6	MERCURY, TOTAL	1.799999952	=	ug/L	94.07693544	NC	
AES	JE_ADMIN	MW-165	15-Jun-99	91-20-3	NAPHTHALENE	69	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-165	15-Jun-99	108-88-3	TOLUENE	2.910000086	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-165	15-Nov-99	100-41-4	ETHYLBENZENE	2600	=	ug/L	6942.360468	C	
AES	JE_ADMIN	MW-165	15-Nov-99	91-20-3	NAPHTHALENE	70	=	ug/L	7347.393861	NC	
AES	JE_ADMIN	MW-165	15-Nov-99	108-88-3	TOLUENE	13000	=	ug/L	114224.9864	NC	
AES	JE_ADMIN	MW-50	18-Apr-02	67-66-3	CHLOROFORM	3.099999905	J	ug/L	556.0261134	C	
AES	JE_ADMIN	MW-50	7-Jan-03	75-09-2	METHYLENE CHLORIDE	3.700000048	J	ug/L	40454.61495	C	
AES	JE_ADMIN	MW-50	30-Jul-03	1634-04-4	TERT-BUTYL METHYL ETHER	2.200000048	J	ug/L	543327.0339	C	
AES	JE_ADMIN	MW-51	18-Apr-02	7439-97-6	MERCURY, TOTAL	0.639999986	=	ug/L	94.07693544	NC	
AES	JE_ADMIN	MW-51	18-Apr-02	1634-04-4	TERT-BUTYL METHYL ETHER	12.69999981	=	ug/L	543327.0339	C	
AES	JE_ADMIN	MW-51	1-Jul-02	1634-04-4	TERT-BUTYL METHYL ETHER	23.29999924	=	ug/L	543327.0339	C	
AES	JE_ADMIN	MW-51	7-Jan-03	7439-97-6	MERCURY, DISSOLVED	0.028999999	J	ug/L	94.07693544	NC	
AES	JE_ADMIN	MW-51	7-Jan-03	75-09-2	METHYLENE CHLORIDE	8.199999809	=	ug/L	40454.61495	C	
AES	JE_ADMIN	MW-51	7-Jan-03	1634-04-4	TERT-BUTYL METHYL ETHER	6	=	ug/L	543327.0339	C	
AES	JE_ADMIN	MW-51	30-Jul-03	1634-04-4	TERT-BUTYL METHYL ETHER	10	=	ug/L	543327.0339	C	
AES	JE_ADMIN	MW-51	19-Jan-04	1634-04-4	TERT-BUTYL METHYL ETHER	12.80000019	=	ug/L	543327.0339	C	
AES	JE_ADMIN	MW-52	1-Jul-02	75-09-2	METHYLENE CHLORIDE	20.5	=	ug/L	40454.61495	C	
AES	JE_ADMIN	MW-52	7-Jan-03	75-09-2	METHYLENE CHLORIDE	6.400000095	=	ug/L	40454.61495	C	
AES	JE_ADMIN	MW-52	19-Jan-04	67-64-1	ACETONE	37.09999847	=	ug/L	9197147.26	NC	
AES	JE_COAL	GP-404	5-Feb-01	78-93-3	2-BUTANONE	1.799999952	J	ug/L	107844802.9	NC	
AES	JE_COAL	GP-404	5-Feb-01	67-64-1	ACETONE	2.5	J	ug/L	10556131.97	NC	
AES	JE_COAL	GP-406	6-Feb-01	78-93-3	2-BUTANONE	2.299999952	J	ug/L	107844802.9	NC	
AES	JE_COAL	GP-406	6-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	1.100000024	J	ug/L	866431.3268	C	
AES	JE_COAL	GP-407	6-Feb-01	78-93-3	2-BUTANONE	10	=	ug/L	107844802.9	NC	
AES	JE_COAL	GP-407	6-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	0.409999996	J	ug/L	866431.3268	C	
AES	JE_COAL	GP-408	6-Feb-01	78-93-3	2-BUTANONE	6.300000191	J	ug/L	107844802.9	NC	
AES	JE_COAL	GP-408	6-Feb-01	67-64-1	ACETONE	4.5	J	ug/L	10556131.97	NC	
AES	JE_COAL	GP-408	6-Feb-01	74-87-3	CHLOROMETHANE	8.399999619	=	ug/L	8175.671834	C	
AES	JE_COAL	GP-408	6-Feb-01	7439-97-6	MERCURY, TOTAL	0.109999999	=	ug/L	302.0905681	NC	
AES	JE_COAL	GP-408	6-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	56	=	ug/L	866431.3268	C	
AES	JE_COAL	GP-409	12-Feb-01	91-57-6	2-METHYLNAPHTHALENE	2.700000048	J	ug/L	54087.47089	NC	
AES	JE_COAL	GP-409	12-Feb-01	100-41-4	ETHYLBENZENE	620	=	ug/L	18647.61294	C	
AES	JE_COAL	GP-409	12-Feb-01	86-73-7	FLUORENE	2.900000095	J	ug/L	2584096.405	NC	
AES	JE_COAL	GP-409	12-Feb-01	91-20-3	NAPHTHALENE	16	=	ug/L	12392.38894	NC	
AES	JE_COAL	GP-409	12-Feb-01	108-88-3	TOLUENE	1500	=	ug/L	291332.7088	NC	
AES	JE_COAL	GP-409	12-Feb-01	1330-20-7	XYLENES (TOTAL)	6900	=	ug/L	601986.6344	NC	
AES	JE_COAL	GP-410	12-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	1.100000024	J	ug/L	866431.3268	C	
AES	JE_COAL	GP-411	8-Feb-01	91-57-6	2-METHYLNAPHTHALENE	2.299999952	J	ug/L	54087.47089	NC	
AES	JE_COAL	GP-411	8-Feb-01	71-43-2	BENZENE	290	=	ug/L	2824.088725	C	
AES	JE_COAL	GP-411	8-Feb-01	100-41-4	ETHYLBENZENE	210	=	ug/L	18647.61294	C	
AES	JE_COAL	GP-411	8-Feb-01	86-73-7	FLUORENE	3.099999905	J	ug/L	2584096.405	NC	
AES	JE_COAL	GP-411	8-Feb-01	91-20-3	NAPHTHALENE	10	=	ug/L	12392.38894	NC	
AES	JE_COAL	GP-411	8-Feb-01	108-88-3	TOLUENE	16	J	ug/L	291332.7088	NC	
AES	JE_COAL	GP-411	8-Feb-01	1330-20-7	XYLENES (TOTAL)	1300	=	ug/L	601986.6344	NC	
AES	JE_COAL	GP-412	8-Feb-01	7439-97-6	MERCURY, TOTAL	0.075000003	=	ug/L	302.0905681	NC	
AES	JE_COAL	MW-131	13-Jul-98	108-90-7	CHLOROBENZENE	9	=	ug/L	72615.9777	NC	
AES	JE_COAL	MW-131	13-Jul-98	100-41-4	ETHYLBENZENE	1100	=	ug/L	18647.61294	C	
AES	JE_COAL	MW-131	13-Jul-98	91-20-3	NAPHTHALENE	26	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-131	13-Jul-98	108-88-3	TOLUENE	7800	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-131	13-Jul-98	1330-20-7	XYLENES (TOTAL)	12000	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-131	15-Dec-98	91-20-3	NAPHTHALENE	50	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-131	15-Dec-98	108-88-3	TOLUENE	6000	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-131	15-Dec-98	1330-20-7	XYLENES (TOTAL)	5000	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-131	15-Jun-99	7439-97-6	MERCURY, TOTAL	0.400000006	=	ug/L	302.0905681	NC	
AES	JE_COAL	MW-131	15-Jun-99	91-20-3	NAPHTHALENE	43	=	ug/L	12392.38894	NC	

Area	Risk Scenarios	STD_LOCATION_CODE	COLLECTION_DATE	CAS	PARAMETER	Result	QUAL	UNIT	Final-prg	PRG-Basis	Exceed?
AES	JE_COAL	MW-131	15-Jun-99	108-88-3	TOLUENE	6000	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-131	15-Nov-99	100-41-4	ETHYLBENZENE	670	=	ug/L	18647.61294	C	
AES	JE_COAL	MW-131	15-Nov-99	1330-20-7	XYLENES (TOTAL)	1200	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-132	28-Oct-94	71-43-2	BENZENE	3.799999952	=	UG/L	2824.088725	C	
AES	JE_COAL	MW-132	28-Oct-94	95-47-6	O-XYLENE	0.800000012	=	UG/L	601986.6344	NC	
AES	JE_COAL	MW-132	28-Oct-94	108-88-3	TOLUENE	20	=	UG/L	291332.7088	NC	
AES	JE_COAL	MW-132	15-Dec-98	71-43-2	BENZENE	2	=	ug/L	2824.088725	C	
AES	JE_COAL	MW-132	15-Jun-99	71-43-2	BENZENE	16.73999977	=	ug/L	2824.088725	C	
AES	JE_COAL	MW-132	15-Jun-99	100-41-4	ETHYLBENZENE	14.06999969	=	ug/L	18647.61294	C	
AES	JE_COAL	MW-132	15-Jun-99	108-88-3	TOLUENE	10.68999958	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-132	15-Jun-99	1330-20-7	XYLENES (TOTAL)	118.5999985	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-132	15-Nov-99	71-43-2	BENZENE	50	=	ug/L	2824.088725	C	
AES	JE_COAL	MW-162	9-Jul-98	108-90-7	CHLOROBENZENE	9	=	ug/L	72615.9777	NC	
AES	JE_COAL	MW-162	9-Jul-98	100-41-4	ETHYLBENZENE	1800	=	ug/L	18647.61294	C	
AES	JE_COAL	MW-162	9-Jul-98	91-20-3	NAPHTHALENE	51	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-162	9-Jul-98	108-88-3	TOLUENE	5000	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-162	9-Jul-98	1330-20-7	XYLENES (TOTAL)	14000	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-162	15-Dec-98	91-20-3	NAPHTHALENE	51	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-162	15-Jun-99	71-43-2	BENZENE	128.7700043	=	ug/L	2824.088725	C	
AES	JE_COAL	MW-162	15-Jun-99	7439-97-6	MERCURY, TOTAL	1.799999952	=	ug/L	302.0905681	NC	
AES	JE_COAL	MW-162	15-Jun-99	91-20-3	NAPHTHALENE	80	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-162	15-Nov-99	100-41-4	ETHYLBENZENE	880	=	ug/L	18647.61294	C	
AES	JE_COAL	MW-162	15-Nov-99	91-20-3	NAPHTHALENE	35	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-162	15-Nov-99	108-88-3	TOLUENE	200	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-162	15-Nov-99	1330-20-7	XYLENES (TOTAL)	5200	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-163	9-Jul-98	108-90-7	CHLOROBENZENE	9	=	ug/L	72615.9777	NC	
AES	JE_COAL	MW-163	9-Jul-98	100-41-4	ETHYLBENZENE	1000	=	ug/L	18647.61294	C	
AES	JE_COAL	MW-163	9-Jul-98	91-20-3	NAPHTHALENE	25	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-163	9-Jul-98	108-88-3	TOLUENE	1100	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-163	9-Jul-98	1330-20-7	XYLENES (TOTAL)	2700	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-163	15-Dec-98	91-20-3	NAPHTHALENE	20	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-163	15-Jun-99	7439-97-6	MERCURY, TOTAL	1.100000024	=	ug/L	302.0905681	NC	
AES	JE_COAL	MW-163	15-Jun-99	91-20-3	NAPHTHALENE	37	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-163	15-Nov-99	100-41-4	ETHYLBENZENE	480	=	ug/L	18647.61294	C	
AES	JE_COAL	MW-163	15-Nov-99	91-20-3	NAPHTHALENE	40	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-163	15-Nov-99	108-88-3	TOLUENE	150	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-163	15-Nov-99	1330-20-7	XYLENES (TOTAL)	2600	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-164	9-Jul-98	108-90-7	CHLOROBENZENE	14	=	ug/L	72615.9777	NC	
AES	JE_COAL	MW-164	9-Jul-98	100-41-4	ETHYLBENZENE	980	=	ug/L	18647.61294	C	
AES	JE_COAL	MW-164	9-Jul-98	91-20-3	NAPHTHALENE	16	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-164	9-Jul-98	108-88-3	TOLUENE	85	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-164	9-Jul-98	1330-20-7	XYLENES (TOTAL)	4700	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-164	15-Dec-98	91-20-3	NAPHTHALENE	13	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-164	15-Nov-99	108-90-7	CHLOROBENZENE	7	=	ug/L	72615.9777	NC	
AES	JE_COAL	MW-164	15-Nov-99	100-41-4	ETHYLBENZENE	280	=	ug/L	18647.61294	C	
AES	JE_COAL	MW-164	15-Nov-99	91-20-3	NAPHTHALENE	16	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-164	15-Nov-99	108-88-3	TOLUENE	81	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-164	15-Nov-99	1330-20-7	XYLENES (TOTAL)	2600	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-165	9-Jul-98	108-90-7	CHLOROBENZENE	9	=	ug/L	72615.9777	NC	
AES	JE_COAL	MW-165	9-Jul-98	100-41-4	ETHYLBENZENE	1400	=	ug/L	18647.61294	C	
AES	JE_COAL	MW-165	9-Jul-98	91-20-3	NAPHTHALENE	38	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-165	9-Jul-98	108-88-3	TOLUENE	4500	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-165	9-Jul-98	1330-20-7	XYLENES (TOTAL)	13000	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-165	15-Dec-98	91-20-3	NAPHTHALENE	71	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-165	15-Dec-98	108-88-3	TOLUENE	20000	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-165	15-Dec-98	1330-20-7	XYLENES (TOTAL)	30000	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-165	15-Jun-99	71-43-2	BENZENE	143.6300049	=	ug/L	2824.088725	C	
AES	JE_COAL	MW-165	15-Jun-99	7439-97-6	MERCURY, TOTAL	1.799999952	=	ug/L	302.0905681	NC	

Area	Risk Scenarios	STD_LOCATION_CODE	COLLECTION_DATE	CAS	PARAMETER	Result	QUAL	UNIT	Final-prg	PRG-Basis	Exceed?
AES	JE_COAL	MW-165	15-Jun-99	91-20-3	NAPHTHALENE	69	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-165	15-Jun-99	108-88-3	TOLUENE	2.910000086	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-165	15-Nov-99	100-41-4	ETHYLBENZENE	2600	=	ug/L	18647.61294	C	
AES	JE_COAL	MW-165	15-Nov-99	91-20-3	NAPHTHALENE	70	=	ug/L	12392.38894	NC	
AES	JE_COAL	MW-165	15-Nov-99	108-88-3	TOLUENE	13000	=	ug/L	291332.7088	NC	
AES	JE_COAL	MW-165	15-Nov-99	1330-20-7	XYLENES (TOTAL)	25000	=	ug/L	601986.6344	NC	
AES	JE_COAL	MW-50	18-Apr-02	67-66-3	CHLOROFORM	3.099999905	J	ug/L	1259.778638	C	
AES	JE_COAL	MW-50	7-Jan-03	75-09-2	METHYLENE CHLORIDE	3.700000048	J	ug/L	82269.045	C	
AES	JE_COAL	MW-50	30-Jul-03	1634-04-4	TERT-BUTYL METHYL ETHER	2.200000048	J	ug/L	866431.3268	C	
AES	JE_COAL	MW-51	18-Apr-02	7439-97-6	MERCURY, TOTAL	0.639999986	=	ug/L	302.0905681	NC	
AES	JE_COAL	MW-51	18-Apr-02	1634-04-4	TERT-BUTYL METHYL ETHER	12.69999981	=	ug/L	866431.3268	C	
AES	JE_COAL	MW-51	1-Jul-02	1634-04-4	TERT-BUTYL METHYL ETHER	23.29999924	=	ug/L	866431.3268	C	
AES	JE_COAL	MW-51	7-Jan-03	7439-97-6	MERCURY, DISSOLVED	0.028999999	J	ug/L	302.0905681	NC	
AES	JE_COAL	MW-51	7-Jan-03	75-09-2	METHYLENE CHLORIDE	8.199999809	=	ug/L	82269.045	C	
AES	JE_COAL	MW-51	7-Jan-03	1634-04-4	TERT-BUTYL METHYL ETHER	6	=	ug/L	866431.3268	C	
AES	JE_COAL	MW-51	30-Jul-03	1634-04-4	TERT-BUTYL METHYL ETHER	10	=	ug/L	866431.3268	C	
AES	JE_COAL	MW-51	19-Jan-04	1634-04-4	TERT-BUTYL METHYL ETHER	12.80000019	=	ug/L	866431.3268	C	
AES	JE_COAL	MW-52	1-Jul-02	75-09-2	METHYLENE CHLORIDE	20.5	=	ug/L	82269.045	C	
AES	JE_COAL	MW-52	7-Jan-03	75-09-2	METHYLENE CHLORIDE	6.400000095	=	ug/L	82269.045	C	
AES	JE_COAL	MW-52	19-Jan-04	67-64-1	ACETONE	37.09999847	=	ug/L	10556131.97	NC	
MAREAS	JE_RES	GP-398	14-Feb-01	67-64-1	ACETONE	4.099999905	J	ug/L	337634.8638	NC	
MAREAS	JE_RES	GP-398	14-Feb-01	75-15-0	CARBON DISULFIDE	0.310000002	J	ug/L	5175.776541	NC	
MAREAS	JE_RES	GP-398	14-Feb-01	7439-97-6	MERCURY, TOTAL	0.029999999	=	ug/L	9.194159276	NC	
MAREAS	JE_RES	GP-398	14-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	1.700000048	J	ug/L	19701.05985	C	
MAREAS	JE_RES	GP-416	12-Feb-01	7439-97-6	MERCURY, TOTAL	1.200000048	=	ug/L	9.194159276	NC	
MAREAS	JE_RES	GP-416	12-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	1.700000048	J	ug/L	19701.05985	C	
MAREAS	JE_RES	MW-166	15-Feb-01	67-64-1	ACETONE	2.200000048	J	ug/L	337634.8638	NC	
MAREAS	JE_RES	MW-166	15-Feb-01	7439-97-6	MERCURY, TOTAL	0.319999993	=	ug/L	9.194159276	NC	
MAREAS	JE_RES	MW-166	15-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	3.099999905	J	ug/L	19701.05985	C	
MAREAS	JE_RES	MW-166	16-Jul-01	1634-04-4	TERT-BUTYL METHYL ETHER	5	=	ug/L	19701.05985	C	
MAREAS	JE_RES	MW-166	3-Jan-02	67-64-1	ACETONE	2.099999905	J	ug/L	337634.8638	NC	
MAREAS	JE_RES	MW-166	3-Jan-02	1634-04-4	TERT-BUTYL METHYL ETHER	5.300000191	=	ug/L	19701.05985	C	
MAREAS	JE_RES	MW-166	27-Jun-02	75-09-2	METHYLENE CHLORIDE	19.5	=	ug/L	1844.138016	C	
MAREAS	JE_RES	MW-166	7-Aug-03	1634-04-4	TERT-BUTYL METHYL ETHER	5.300000191	=	ug/L	19701.05985	C	
MAREAS	JE_RES	MW-166	21-Jan-04	1634-04-4	TERT-BUTYL METHYL ETHER	4.5	J	ug/L	19701.05985	C	
ONSITE_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	91-57-6	2-METHYLNAPHTHALENE	2.599999905	=	UG/L	51288.79938	NC	
ONSITE_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	83-32-9	ACENAPHTHENE	2.200000048	=	UG/L	2515551.956	NC	
ONSITE_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	71-43-2	BENZENE	1100	=	UG/L	1270.93164	C	
ONSITE_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	100-41-4	ETHYLBENZENE	97	=	UG/L	6662.53789	C	
ONSITE_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	86-73-7	FLUORENE	7.699999809	=	UG/L	4034578.323	NC	
ONSITE_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	91-20-3	NAPHTHALENE	9.399999619	=	UG/L	12171.83111	NC	
ONSITE_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	108-88-3	TOLUENE	150	=	UG/L	119840.7897	NC	
ONSITE_JE	JE_ADMIN_CPCPRC	MW-111	31-Mar-94	75-15-0	CARBON DISULFIDE	3.400000095	=	UG/L	48730.83193	NC	
ONSITE_JE	JE_ADMIN_CPCPRC	MW-141	12-Aug-92	100-41-4	ETHYLBENZENE	39	=	UG/L	6662.53789	C	
ONSITE_JE	JE_ADMIN_CPCPRC	MW-147	17-Aug-92	67-64-1	ACETONE	18	=	UG/L	18055536.85	NC	

Table 2
Summary Statistics For Chemicals Detected in Groundwater - Groundwater Vapor Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Medium	Chemical	Sample	Detects	Detection Frequency	Concentration Mean (ug/L)	Concentration Minimum (ug/L)	Concentration Maximum (ug/L)
AES	GW	2-BUTANONE	53	4	7.5%	5.10E+00	1.80E+00	1.00E+01
AES	GW	2-METHYLNAPHTHALENE	52	2	3.8%	2.50E+00	2.30E+00	2.70E+00
AES	GW	ACETONE	53	3	5.7%	1.47E+01	2.50E+00	3.71E+01
AES	GW	BENZENE	55	26	47.3%	1.35E+05	2.00E+00	4.50E+05
AES	GW	CHLOROBENZENE	55	6	10.9%	9.50E+00	7.00E+00	1.40E+01
AES	GW	CHLOROFORM	55	1	1.8%	3.10E+00	3.10E+00	3.10E+00
AES	GW	CHLOROMETHANE	55	1	1.8%	8.40E+00	8.40E+00	8.40E+00
AES	GW	ETHYLBENZENE	55	13	23.6%	9.26E+02	1.41E+01	2.60E+03
AES	GW	FLUORENE	52	2	3.8%	3.00E+00	2.90E+00	3.10E+00
AES	GW	MERCURY, DISSOLVED	48	1	2.1%	2.90E-02	2.90E-02	2.90E-02
AES	GW	MERCURY, TOTAL	52	7	13.5%	8.46E-01	7.50E-02	1.80E+00
AES	GW	METHYLENE CHLORIDE	55	4	7.3%	9.70E+00	3.70E+00	2.05E+01
AES	GW	NAPHTHALENE	54	20	37.0%	3.89E+01	1.00E+01	8.00E+01
AES	GW	O-XYLENE	20	1	5.0%	8.00E-01	8.00E-01	8.00E-01
AES	GW	TERT-BUTYL METHYL ETHER	28	10	35.7%	1.26E+01	4.10E-01	5.60E+01
AES	GW	TOLUENE	55	17	30.9%	3.85E+03	2.91E+00	2.00E+04
AES	GW	XYLENES (TOTAL)	55	15	27.3%	8.42E+03	1.19E+02	3.00E+04
MAREAS	GW	ACETONE	9	3	33.3%	2.80E+00	2.10E+00	4.10E+00
MAREAS	GW	CARBON DISULFIDE	9	1	11.1%	3.10E-01	3.10E-01	3.10E-01
MAREAS	GW	MERCURY, TOTAL	9	3	33.3%	5.17E-01	3.00E-02	1.20E+00
MAREAS	GW	METHYLENE CHLORIDE	9	1	11.1%	1.95E+01	1.95E+01	1.95E+01
MAREAS	GW	TERT-BUTYL METHYL ETHER	9	7	77.8%	3.80E+00	1.70E+00	5.30E+00
MAREAS	GW	XYLENES (TOTAL)	9	1	11.1%	1.30E+00	1.30E+00	1.30E+00
CPCPRC_JE	GW	2-METHYLNAPHTHALENE	5	1	20.0%	2.60E+00	2.60E+00	2.60E+00
CPCPRC_JE	GW	ACENAPHTHENE	5	1	20.0%	2.20E+00	2.20E+00	2.20E+00
CPCPRC_JE	GW	ACETONE	9	1	11.1%	1.80E+01	1.80E+01	1.80E+01
CPCPRC_JE	GW	BENZENE	11	2	18.2%	1.65E+03	1.10E+03	2.20E+03
CPCPRC_JE	GW	CARBON DISULFIDE	9	1	11.1%	3.40E+00	3.40E+00	3.40E+00
CPCPRC_JE	GW	ETHYLBENZENE	11	2	18.2%	6.80E+01	3.90E+01	9.70E+01
CPCPRC_JE	GW	FLUORENE	5	1	20.0%	7.70E+00	7.70E+00	7.70E+00
CPCPRC_JE	GW	NAPHTHALENE	7	1	14.3%	9.40E+00	9.40E+00	9.40E+00
CPCPRC_JE	GW	TOLUENE	11	1	9.1%	1.50E+02	1.50E+02	1.50E+02
CPCPRC_JE	GW	XYLENES (TOTAL)	11	3	27.3%	1.06E+02	1.68E+00	3.10E+02

Table 3
Subsurface Properties Used in Vapor Intrustion Modeling into Buildings
CPC Puerto Rico Core Inc.

Modeling Parameter	Variable	Units	AES Value	CPCPRC_JE Value	Las Mareas Value
Average soil/groundwater temperature	T_S	(^oC)	27	27	27
Depth below grade to bottom of enclosed space floor	L_F	(cm)	15	15	15
Depth below grade to water table	L_{WT}	(cm)	122	396	38
Thickness of soil stratum A	h^A	(cm)	61	91	38
Thickness of soil stratum B	h^B	(cm)	59	305	NA
Soil stratum directly above water table			B	B	A
SCS soil stype directly above water table			C	SL	SC
Soil stratum A SCS soil type			SC	CL	SC
Stratum A soil dry bulk density	ρ_b^A	(g/cm^3)	1.63	1.48	1.63
Stratum A soil total porosity	n^A	(unitless)	0.39	0.44	0.39
Stratum A soil water-filled porosity	θ_w^A	(cm^3/cm^3)	0.2	0.17	0.2
Stratum B soil dry bulk density	ρ_b^B	(g/cm^3)	1.43	1.62	NA
Stratum B soil total porosity	n^B	(unitless)	0.46	0.39	NA
Stratum B soil water-filled porosity	θ_w^B	(cm^3/cm^3)	0.22	0.100	NA

Table 4
Building Properties Used in Vapor Intrustion Modeling
CPC Puerto Rico Core Inc.

Modeling Parameter	Variable	Units	AES Admin	AES Coal	CPCPRC Admin	Las Mareas Res
Enclosed space floor thickness	L_{crack}	(cm)	91	91	61	46
Soil-Building pressure differential	ΔP	(g/cm-s^2)	40	40	40	40
Enclosed space floor length	L_B	(cm)	6096	12192	6462	1067
Enclosed space floor width	W_B	(cm)	4572	762	6462	1067
Enclosed space floor height	H_B	(cm)	304.8	610	366	305
Floor-Wall seam crack width	w	(cm)	0.1	0.1	0.1	0.1
Indoor air exhange rate	ER	(cm)	1	2	1	0.25

Table 5
Physical and Chemical Properties Used in the Vapor Intrusion Modeling
CPC Puerto Rico Core Inc.

	Diffusivity in air, D_a (cm^2/s)	Diffusivity in water, D_w (cm^2/s)	Henry's law constant at reference temperature, H (atm-m^3/mol)	Henry's law constant reference temperature, T_R (^oC)	Enthalpy of vaporization at the normal boiling point, $\Delta H_{v,b}$ (cal/mol)	Normal boiling point, T_B (^oK)	Critical temperature, T_C (^oK)	Organic carbon partition coefficient, K_{oc} (cm^3/g)	Pure component water solubility, S (mg/L)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
AES											
2-BUTANONE	8.08E-02	9.80E-06	5.58E-05	25	7.48E+03	3.53E+02	5.37E+02	2.30E+00	2.23E+05		5.01E+00
2-METHYLNAPHTHALENE	5.22E-02	7.75E-06	5.17E-04	25	1.26E+04	5.14E+02	7.61E+02	2.81E+03	2.46E+01		1.40E-02
ACETONE	1.24E-01	1.14E-05	3.87E-05	25	6.96E+03	3.29E+02	5.08E+02	5.75E-01	1.00E+06		3.50E-01
BENZENE	8.80E-02	9.80E-06	5.54E-03	25	7.34E+03	3.53E+02	5.62E+02	5.89E+01	1.79E+03	8.29E-06	3.00E-02
CHLOROBENZENE	7.30E-02	8.70E-06	3.69E-03	25	8.41E+03	4.05E+02	6.32E+02	2.19E+02	4.72E+02		5.95E-02
CHLOROFORM	1.04E-01	1.00E-05	3.66E-03	25	6.99E+03	3.34E+02	5.36E+02	3.98E+01	7.92E+03	2.30E-05	3.01E-03
CHLOROMETHANE	1.26E-01	6.50E-06	8.80E-03	25	5.11E+03	2.49E+02	4.16E+02	2.12E+00	5.33E+03	1.80E-06	3.01E-01
ETHYLBENZENE	7.50E-02	7.80E-06	7.86E-03	25	8.50E+03	4.09E+02	6.17E+02	3.63E+02	1.69E+02	1.10E-06	1.02E+00
FLUORENE	3.63E-02	7.88E-06	6.34E-05	25	1.27E+04	5.70E+02	8.70E+02	1.38E+04	1.98E+00		1.40E-01
MERCURY, DISSOLVED	3.07E-02	6.30E-06	1.07E-02	25	1.41E+04	6.30E+02	1.75E+03	5.20E+01	2.00E+01		3.00E-04
MERCURY, TOTAL	3.07E-02	6.30E-06	1.07E-02	25	1.41E+04	6.30E+02	1.75E+03	5.20E+01	2.00E+01		3.00E-04
METHYLENE CHLORIDE	1.01E-01	1.17E-05	2.18E-03	25	6.71E+03	3.13E+02	5.10E+02	1.17E+01	1.30E+04	4.70E-07	3.00E+00
NAPHTHALENE	5.90E-02	7.50E-06	4.82E-04	25	1.04E+04	4.91E+02	7.48E+02	2.00E+03	3.10E+01		3.00E-03
O-XYLENE	8.70E-02	1.00E-05	5.18E-03	25	8.66E+03	4.18E+02	6.30E+02	3.63E+02	1.78E+02		7.00E-01
TERT-BUTYL METHYL ETHER	1.02E-01	1.05E-05	6.23E-04	25	6.68E+03	3.28E+02	4.97E+02	7.26E+00	5.10E+04	1.00E-07	3.00E+00
TOLUENE	8.70E-02	8.60E-06	6.62E-03	25	7.93E+03	3.84E+02	5.92E+02	1.82E+02	5.26E+02		3.85E-01
XYLENES (TOTAL)	8.70E-02	1.00E-05	5.18E-03	25	8.66E+03	4.18E+02	6.30E+02	3.63E+02	1.78E+02		7.00E-01
LAS MAREAS											
ACETONE	1.24E-01	1.14E-05	3.87E-05	25	6,955	329.20	508.10	5.75E-01	1.00E+06		3.5E-01
CARBON DISULFIDE	1.04E-01	1.00E-05	3.02E-02	25	6,391	319.00	552.00	4.57E+01	1.19E+03		7.0E-01
MERCURY, TOTAL	3.07E-02	6.30E-06	1.07E-02	25	14,127	629.88	1750.00	5.20E+01	2.00E+01		3.0E-04
METHYLENE CHLORIDE	1.01E-01	1.17E-05	2.18E-03	25	6,706	313.00	510.00	1.17E+01	1.30E+04	4.7E-07	3.0E+00
TERT-BUTYL METHYL ETHER	1.02E-01	1.05E-05	6.23E-04	25	6,678	328.30	497.10	7.26E+00	5.10E+04	1.0E-07	3.0E+00
XYLENES (TOTAL)	7.00E-02	7.80E-06	7.32E-03	25	8,523	412.27	617.05	4.07E+02	1.61E+02		7.0E-01
ONSITE_JE											
2-METHYLNAPHTHALENE	5.22E-02	7.75E-06	5.17E-04	25	1.26E+04	5.14E+02	7.61E+02	2.81E+03	2.46E+01		1.40E-02
ACENAPHTHENE	4.21E-02	7.69E-06	1.55E-04	25	1.22E+04	5.51E+02	8.03E+02	7.08E+03	3.57E+00		2.10E-01
ACETONE	1.24E-01	1.14E-05	3.87E-05	25	6.96E+03	3.29E+02	5.08E+02	5.75E-01	1.00E+06		3.50E-01
BENZENE	8.80E-02	9.80E-06	5.54E-03	25	7.34E+03	3.53E+02	5.62E+02	5.89E+01	1.79E+03	8.29E-06	3.00E-02
CARBON DISULFIDE	1.04E-01	1.00E-05	3.02E-02	25	6.39E+03	3.19E+02	5.52E+02	4.57E+01	1.19E+03		7.00E-01
ETHYLBENZENE	7.50E-02	7.80E-06	7.86E-03	25	8.50E+03	4.09E+02	6.17E+02	3.63E+02	1.69E+02	1.10E-06	1.02E+00
FLUORENE	3.63E-02	7.88E-06	6.34E-05	25	1.27E+04	5.70E+02	8.70E+02	1.38E+04	1.98E+00		1.40E-01
NAPHTHALENE	5.90E-02	7.50E-06	4.82E-04	25	1.04E+04	4.91E+02	7.48E+02	2.00E+03	3.10E+01		3.00E-03
TOLUENE	8.70E-02	8.60E-06	6.62E-03	25	7.93E+03	3.84E+02	5.92E+02	1.82E+02	5.26E+02		3.85E-01
XYLENES (TOTAL)	7.00E-02	7.80E-06	7.32E-03	25	8.52E+03	4.12E+02	6.17E+02	4.07E+02	1.61E+02		7.00E-01

Table 6
Exposure Parameters Used in Vapor Intrustion Modeling into Buildings
CPC Puerto Rico Core Inc.

Modeling Parameter	Variable	Units	Worker Value	Resident Value
Risk-Based risk for carcinogens	TR	(unitless)	1E-06	1E-06
Risk-Based hazard quotient for noncarcinoger	THQ	(unitless)	0.1	0.1
Averaging time for carcinogens	AT_C	(yrs)	70	70
Averaging time for noncarcinogens	AT_{NC}	(yrs)	25	30
Exposure duration	ED	(yrs)	25	30
Exposure frequency	EF	(days/yr)	250	350

The worker values apply to AES and Onsite workers.
The resident values apply to the Las Mareas residents.

Table 7
General Intermediate Calculations - Groundwater Vapor Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Exposure duration, τ (sec)	Source-building separation, L_T (cm)	Stratum A soil air-filled porosity, θ_a^A (cm^3/cm^3)	Stratum B soil air-filled porosity, θ_a^B (cm^3/cm^3)	Stratum C soil air-filled porosity, θ_a^C (cm^3/cm^3)	Stratum A effective total fluid saturation, S_{te} (cm^3/cm^3)	Stratum A soil intrinsic permeability, k_i (cm^2)	Stratum A soil relative air permeability, k_{rg} (cm^2)	Stratum A soil effective vapor permeability, k_v (cm^2)	Thickness of capillary zone, L_{cz} (cm)	Total porosity in capillary zone, n_{cz} (cm^3/cm^3)	Air-filled porosity in capillary zone, $\theta_{a,cz}$ (cm^3/cm^3)	Water-filled porosity in capillary zone, $\theta_{w,cz}$ (cm^3/cm^3)	Floor-wall seam perimeter, X_{crack} (cm)
AES-Admin	7.88E+08	107	0.19	0.24	0.27	0.30	1.79E-09	0.84	1.50E-09	82	0.46	0.05	0.41	2.13E+04
AES-Coal	7.88E+08	107	0.19	0.24	0.27	0.30	1.79E-09	0.84	1.50E-09	82	0.46	0.05	0.41	2.59E+04
LAS MAREAS	9.46E+08	23	0.19	0.24	0.27	0.30	1.79E-09	0.84	1.50E-09	30	0.39	0.03	0.35	2.72E+03
CPCPRC _JE	7.88E+08	381	0.27	0.28	0.28	0.25	1.30E-09	0.86	1.12E-09	25	0.39	0.07	0.32	2.58E+04

Table 8
Chemical-specific Intermediate Calculations - Groundwater Vapor Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)	Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. groundwater temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
AES-Admin														
2-BUTANONE	2.36E+06	2.79E+07	7.66E-05	15	8.21E+03	6.12E-05	2.48E-03	1.81E-04	2.21E-03	3.16E+03		9.91E-04	1.04E-03	107
2-METHYLNAPHTHALENE	2.36E+06	2.79E+07	7.66E-05	15	1.60E+04	6.19E-04	2.51E-02	1.81E-04	1.36E-03	2.04E+03		8.58E-05	1.09E-04	107
ACETONE	2.36E+06	2.79E+07	7.66E-05	15	7.35E+03	4.20E-05	1.71E-03	1.81E-04	3.40E-03	4.85E+03		1.68E-03	1.72E-03	107
BENZENE	2.36E+06	2.79E+07	7.66E-05	15	7.95E+03	6.05E-03	2.46E-01	1.81E-04	2.27E-03	3.45E+03		2.58E-05	3.37E-05	107
CHLOROBENZENE	2.36E+06	2.79E+07	7.66E-05	15	9.63E+03	4.11E-03	1.67E-01	1.81E-04	1.89E-03	2.86E+03		2.61E-05	3.40E-05	107
CHLOROFORM	2.36E+06	2.79E+07	7.66E-05	15	7.38E+03	3.98E-03	1.61E-01	1.81E-04	2.69E-03	4.07E+03		3.42E-05	4.45E-05	107
CHLOROMETHANE	2.36E+06	2.79E+07	7.66E-05	15	4.54E+03	9.26E-03	3.76E-01	1.81E-04	3.25E-03	4.93E+03		2.71E-05	3.54E-05	107
ETHYLBENZENE	2.36E+06	2.79E+07	7.66E-05	15	9.96E+03	8.79E-03	3.57E-01	1.81E-04	1.94E-03	2.94E+03		1.90E-05	2.48E-05	107
FLUORENE	2.36E+06	2.79E+07	7.66E-05	15	1.61E+04	7.60E-05	3.09E-03	1.81E-04	1.01E-03	1.42E+03		6.39E-04	6.18E-04	107
MERCURY, DISSOLVED	2.36E+06	2.79E+07	7.66E-05	15	1.53E+04	1.27E-02	5.17E-01	1.81E-04	7.93E-04	1.20E+03		8.59E-06	1.12E-05	107
MERCURY, TOTAL	2.36E+06	2.79E+07	7.66E-05	15	1.53E+04	1.27E-02	5.17E-01	1.81E-04	7.93E-04	1.20E+03		8.59E-06	1.12E-05	107
METHYLENE CHLORIDE	2.36E+06	2.79E+07	7.66E-05	15	6.85E+03	2.36E-03	9.58E-02	1.81E-04	2.61E-03	3.95E+03		4.86E-05	6.30E-05	107
NAPHTHALENE	2.36E+06	2.79E+07	7.66E-05	15	1.27E+04	5.56E-04	2.26E-02	1.81E-04	1.53E-03	2.31E+03		9.29E-05	1.18E-04	107
O-XYLENE	2.36E+06	2.79E+07	7.66E-05	15	1.02E+04	5.81E-03	2.36E-01	1.81E-04	2.25E-03	3.41E+03		2.63E-05	3.43E-05	107
TERT-BUTYL METHYL ETHER	2.36E+06	2.79E+07	7.66E-05	15	7.07E+03	6.75E-04	2.74E-02	1.81E-04	2.66E-03	4.01E+03		1.13E-04	1.45E-04	107
TOLUENE	2.36E+06	2.79E+07	7.66E-05	15	8.97E+03	7.33E-03	2.97E-01	1.81E-04	2.25E-03	3.41E+03		2.29E-05	2.99E-05	107
XYLENES (TOTAL)	2.36E+06	2.79E+07	7.66E-05	15	1.02E+04	5.81E-03	2.36E-01	1.81E-04	2.25E-03	3.41E+03		2.63E-05	3.43E-05	107
AES-Coal														
2-BUTANONE	3.15E+06	9.29E+06	2.79E-04	15	8.21E+03	6.12E-05	2.48E-03	1.81E-04	2.21E-03	3.16E+03		9.91E-04	1.04E-03	107
2-METHYLNAPHTHALENE	3.15E+06	9.29E+06	2.79E-04	15	1.60E+04	6.19E-04	2.51E-02	1.81E-04	1.36E-03	2.04E+03		8.58E-05	1.09E-04	107
ACETONE	3.15E+06	9.29E+06	2.79E-04	15	7.35E+03	4.20E-05	1.71E-03	1.81E-04	3.40E-03	4.85E+03		1.68E-03	1.72E-03	107
BENZENE	3.15E+06	9.29E+06	2.79E-04	15	7.95E+03	6.05E-03	2.46E-01	1.81E-04	2.27E-03	3.45E+03		2.58E-05	3.37E-05	107
CHLOROBENZENE	3.15E+06	9.29E+06	2.79E-04	15	9.63E+03	4.11E-03	1.67E-01	1.81E-04	1.89E-03	2.86E+03		2.61E-05	3.40E-05	107
CHLOROFORM	3.15E+06	9.29E+06	2.79E-04	15	7.38E+03	3.98E-03	1.61E-01	1.81E-04	2.69E-03	4.07E+03		3.42E-05	4.45E-05	107
CHLOROMETHANE	3.15E+06	9.29E+06	2.79E-04	15	4.54E+03	9.26E-03	3.76E-01	1.81E-04	3.25E-03	4.93E+03		2.71E-05	3.54E-05	107
ETHYLBENZENE	3.15E+06	9.29E+06	2.79E-04	15	9.96E+03	8.79E-03	3.57E-01	1.81E-04	1.94E-03	2.94E+03		1.90E-05	2.48E-05	107
FLUORENE	3.15E+06	9.29E+06	2.79E-04	15	1.61E+04	7.60E-05	3.09E-03	1.81E-04	1.01E-03	1.42E+03		6.39E-04	6.18E-04	107
MERCURY, DISSOLVED	3.15E+06	9.29E+06	2.79E-04	15	1.53E+04	1.27E-02	5.17E-01	1.81E-04	7.93E-04	1.20E+03		8.59E-06	1.12E-05	107
MERCURY, TOTAL	3.15E+06	9.29E+06	2.79E-04	15	1.53E+04	1.27E-02	5.17E-01	1.81E-04	7.93E-04	1.20E+03		8.59E-06	1.12E-05	107
METHYLENE CHLORIDE	3.15E+06	9.29E+06	2.79E-04	15	6.85E+03	2.36E-03	9.58E-02	1.81E-04	2.61E-03	3.95E+03		4.86E-05	6.30E-05	107
NAPHTHALENE	3.15E+06	9.29E+06	2.79E-04	15	1.27E+04	5.56E-04	2.26E-02	1.81E-04	1.53E-03	2.31E+03		9.29E-05	1.18E-04	107
O-XYLENE	3.15E+06	9.29E+06	2.79E-04	15	1.02E+04	5.81E-03	2.36E-01	1.81E-04	2.25E-03	3.41E+03		2.63E-05	3.43E-05	107
TERT-BUTYL METHYL ETHER	3.15E+06	9.29E+06	2.79E-04	15	7.07E+03	6.75E-04	2.74E-02	1.81E-04	2.66E-03	4.01E+03		1.13E-04	1.45E-04	107
TOLUENE	3.15E+06	9.29E+06	2.79E-04	15	8.97E+03	7.33E-03	2.97E-01	1.81E-04	2.25E-03	3.41E+03		2.29E-05	2.99E-05	107
XYLENES (TOTAL)	3.15E+06	9.29E+06	2.79E-04	15	1.02E+04	5.81E-03	2.36E-01	1.81E-04	2.25E-03	3.41E+03		2.63E-05	3.43E-05	107
LAS MAREAS														
ACETONE	1.36E+04	3.63E+05	7.50E-04	15	7.35E+03	4.20E-05	1.71E-03	1.81E-04	3.40E-03			1.44E-03	1.23E-03	23
CARBON DISULFIDE	1.36E+04	3.63E+05	7.50E-04	15	6.55E+03	3.25E-02	1.32E+00	1.81E-04	2.69E-03			7.68E-06	5.92E-06	23
MERCURY, TOTAL	1.36E+04	3.63E+05	7.50E-04	15	1.53E+04	1.27E-02	5.17E-01	1.81E-04	7.93E-04			4.40E-06	3.39E-06	23
METHYLENE CHLORIDE	1.36E+04	3.63E+05	7.50E-04	15	6.85E+03	2.36E-03	9.58E-02	1.81E-04	2.61E-03			3.20E-05	2.47E-05	23
TERT-BUTYL METHYL ETHER	1.36E+04	3.63E+05	7.50E-04	15	7.07E+03	6.75E-04	2.74E-02	1.81E-04	2.66E-03			8.80E-05	6.83E-05	23

Table 8
Chemical-specific Intermediate Calculations - Groundwater Vapor Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Bldg. ventilation rate, $Q_{building}$ (cm^3/s)	Area of enclosed space below grade, A_B (cm^2)	Crack-to-total area ratio, η (unitless)	Crack depth below grade, Z_{crack} (cm)	Enthalpy of vaporization at ave. groundwater temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Vapor viscosity at ave. soil temperature, μ_{TS} (g/cm-s)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Stratum B effective diffusion coefficient, D^{eff}_B (cm^2/s)	Stratum C effective diffusion coefficient, D^{eff}_C (cm^2/s)	Capillary zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total overall effective diffusion coefficient, D^{eff}_T (cm^2/s)	Diffusion path length, L_d (cm)
XYLENES (TOTAL)	1.36E+04	3.63E+05	7.50E-04	15	1.01E+04	8.20E-03	3.33E-01	1.81E-04	1.81E-03			9.10E-06	7.01E-06	23
CPCPRC_JE														
2-METHYLNAPHTHALENE	4.24E+06	4.18E+07	6.19E-05	15	1.60E+04	6.19E-04	2.51E-02	1.81E-04	3.59E-03	2.87E+03		8.98E-05	1.27E-03	381
ACENAPHTHENE	4.24E+06	4.18E+07	6.19E-05	15	1.59E+04	1.85E-04	7.51E-03	1.81E-04	2.91E-03	2.32E+03		1.89E-04	2.40E-03	381
ACETONE	4.24E+06	4.18E+07	6.19E-05	15	7.35E+03	4.20E-05	1.71E-03	1.81E-04	8.61E-03	6.83E+03		1.10E-03	1.21E-02	381
BENZENE	4.24E+06	4.18E+07	6.19E-05	15	7.95E+03	6.05E-03	2.46E-01	1.81E-04	6.04E-03	4.85E+03		7.94E-05	1.16E-03	381
CARBON DISULFIDE	4.24E+06	4.18E+07	6.19E-05	15	6.55E+03	3.25E-02	1.32E+00	1.81E-04	7.14E-03	5.73E+03		8.79E-05	1.29E-03	381
ETHYLBENZENE	4.24E+06	4.18E+07	6.19E-05	15	9.96E+03	8.79E-03	3.57E-01	1.81E-04	5.15E-03	4.13E+03		6.58E-05	9.66E-04	381
FLUORENE	4.24E+06	4.18E+07	6.19E-05	15	1.61E+04	7.60E-05	3.09E-03	1.81E-04	2.53E-03	2.00E+03		4.13E-04	4.20E-03	381
NAPHTHALENE	4.24E+06	4.18E+07	6.19E-05	15	1.27E+04	5.56E-04	2.26E-02	1.81E-04	4.06E-03	3.25E+03		9.90E-05	1.40E-03	381
TOLUENE	4.24E+06	4.18E+07	6.19E-05	15	8.97E+03	7.33E-03	2.97E-01	1.81E-04	5.98E-03	4.79E+03		7.69E-05	1.13E-03	381
XYLENES (TOTAL)	4.24E+06	4.18E+07	6.19E-05	15	1.01E+04	8.20E-03	3.33E-01	1.81E-04	4.81E-03	3.86E+03		6.19E-05	9.08E-04	381

Table 9
Chemical-specific Final Calculations - Groundwater Vapor Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
AES-Admin											
2-BUTANONE	15	2.48E+00	0.1	7.8	2.21E-03	2.13E+03	4.35E+65	3.22E-06	7.99E-06	NA	5.01E+00
2-METHYLNAPHTHALENE	15	2.51E+01	0.1	7.8	1.36E-03	2.13E+03	4.61E+106	2.60E-06	6.52E-05	NA	1.40E-02
ACETONE	15	1.71E+00	0.1	7.8	3.40E-03	2.13E+03	3.43E+42	3.26E-06	5.56E-06	NA	3.50E-01
BENZENE	15	2.46E+02	0.1	7.8	2.27E-03	2.13E+03	4.73E+63	1.75E-06	4.31E-04	8.29E-06	3.00E-02
CHLOROBENZENE	15	1.67E+02	0.1	7.8	1.89E-03	2.13E+03	5.43E+76	1.76E-06	2.94E-04	NA	5.95E-02
CHLOROFORM	15	1.61E+02	0.1	7.8	2.69E-03	2.13E+03	7.40E+53	1.98E-06	3.20E-04	2.30E-05	3.01E-03
CHLOROMETHANE	15	3.76E+02	0.1	7.8	3.25E-03	2.13E+03	3.07E+44	1.79E-06	6.74E-04	1.80E-06	3.01E-01
ETHYLBENZENE	15	3.57E+02	0.1	7.8	1.94E-03	2.13E+03	5.31E+74	1.50E-06	5.35E-04	1.10E-06	1.02E+00
FLUORENE	15	3.09E+00	0.1	7.8	1.01E-03	2.13E+03	5.15E+142	3.16E-06	9.75E-06	NA	1.40E-01
MERCURY, DISSOLVED	15	5.17E+02	0.1	7.8	7.93E-04	2.13E+03	3.40E+182	9.00E-07	4.66E-04	NA	3.00E-04
MERCURY, TOTAL	15	5.17E+02	0.1	7.8	7.93E-04	2.13E+03	3.40E+182	9.00E-07	4.66E-04	NA	3.00E-04
METHYLENE CHLORIDE	15	9.58E+01	0.1	7.8	2.61E-03	2.13E+03	2.69E+55	2.24E-06	2.15E-04	4.70E-07	3.00E+00
NAPHTHALENE	15	2.26E+01	0.1	7.8	1.53E-03	2.13E+03	2.52E+94	2.64E-06	5.96E-05	NA	3.00E-03
O-XYLENE	15	2.36E+02	0.1	7.8	2.25E-03	2.13E+03	2.53E+64	1.77E-06	4.16E-04	NA	7.00E-01
TERT-BUTYL METHYL ETHER	15	2.74E+01	0.1	7.8	2.66E-03	2.13E+03	3.24E+54	2.75E-06	7.52E-05	1.00E-07	3.00E+00
TOLUENE	15	2.97E+02	0.1	7.8	2.25E-03	2.13E+03	2.60E+64	1.65E-06	4.92E-04	NA	3.85E-01
XYLENES (TOTAL)	15	2.36E+02	0.1	7.8	2.25E-03	2.13E+03	2.53E+64	1.77E-06	4.16E-04	NA	7.00E-01

Table 9
Chemical-specific Final Calculations - Groundwater Vapor Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
AES-Coal											
2-BUTANONE	15	2.48E+00	0.1	9.5	2.21E-03	2.59E+03	4.35E+65	2.73E-06	6.78E-06	NA	5.01E+00
2-METHYLNAPHTHALENE	15	2.51E+01	0.1	9.5	1.36E-03	2.59E+03	4.61E+106	1.50E-06	3.78E-05	NA	1.40E-02
ACETONE	15	1.71E+00	0.1	9.5	3.40E-03	2.59E+03	3.43E+42	2.84E-06	4.84E-06	NA	3.50E-01
BENZENE	15	2.46E+02	0.1	9.5	2.27E-03	2.59E+03	4.73E+63	7.11E-07	1.75E-04	8.29E-06	3.00E-02
CHLOROBENZENE	15	1.67E+02	0.1	9.5	1.89E-03	2.59E+03	5.43E+76	7.16E-07	1.20E-04	NA	5.95E-02
CHLOROFORM	15	1.61E+02	0.1	9.5	2.69E-03	2.59E+03	7.40E+53	8.74E-07	1.41E-04	2.30E-05	3.01E-03
CHLOROMETHANE	15	3.76E+02	0.1	9.5	3.25E-03	2.59E+03	3.07E+44	7.39E-07	2.78E-04	1.80E-06	3.01E-01
ETHYLBENZENE	15	3.57E+02	0.1	9.5	1.94E-03	2.59E+03	5.31E+74	5.58E-07	1.99E-04	1.10E-06	1.02E+00
FLUORENE	15	3.09E+00	0.1	9.5	1.01E-03	2.59E+03	5.15E+142	2.56E-06	7.91E-06	NA	1.40E-01
MERCURY, DISSOLVED	15	5.17E+02	0.1	9.5	7.93E-04	2.59E+03	3.40E+182	2.80E-07	1.45E-04	NA	3.00E-04
MERCURY, TOTAL	15	5.17E+02	0.1	9.5	7.93E-04	2.59E+03	3.40E+182	2.80E-07	1.45E-04	NA	3.00E-04
METHYLENE CHLORIDE	15	9.58E+01	0.1	9.5	2.61E-03	2.59E+03	2.69E+55	1.10E-06	1.06E-04	4.70E-07	3.00E+00
NAPHTHALENE	15	2.26E+01	0.1	9.5	1.53E-03	2.59E+03	2.52E+94	1.57E-06	3.53E-05	NA	3.00E-03
O-XYLENE	15	2.36E+02	0.1	9.5	2.25E-03	2.59E+03	2.53E+64	7.20E-07	1.70E-04	NA	7.00E-01
TERT-BUTYL METHYL ETHER	15	2.74E+01	0.1	9.5	2.66E-03	2.59E+03	3.24E+54	1.72E-06	4.72E-05	1.00E-07	3.00E+00
TOLUENE	15	2.97E+02	0.1	9.5	2.25E-03	2.59E+03	2.60E+64	6.49E-07	1.93E-04	NA	3.85E-01
XYLENES (TOTAL)	15	2.36E+02	0.1	9.5	2.25E-03	2.59E+03	2.53E+64	7.20E-07	1.70E-04	NA	7.00E-01
LAS MAREAS											
ACETONE	15	1.71E+00	0.1	1.0	3.40E-03	2.72E+02	4.72E+04	6.96E-05	1.19E-04	NA	3.50E-01
CARBON DISULFIDE	15	1.32E+03	0.1	1.0	2.69E-03	2.72E+02	8.38E+05	6.24E-06	8.24E-03	NA	7.00E-01
MERCURY, TOTAL	15	5.17E+02	0.1	1.0	7.93E-04	2.72E+02	1.14E+20	3.71E-06	1.92E-03	NA	3.00E-04
METHYLENE CHLORIDE	15	9.58E+01	0.1	1.0	2.61E-03	2.72E+02	1.23E+06	2.05E-05	1.97E-03	4.70E-07	3.00E+00
TERT-BUTYL METHYL ETHER	15	2.74E+01	0.1	1.0	2.66E-03	2.72E+02	9.78E+05	3.79E-05	1.04E-03	1.00E-07	3.00E+00
XYLENES (TOTAL)	15	3.33E+02	0.1	1.0	1.81E-03	2.72E+02	6.28E+08	7.28E-06	2.42E-03	NA	7.00E-01
CPCPRC_JE											
2-METHYLNAPHTHALENE	15	2.51E+01	0.1	7.1	3.59E-03	2.58E+03	1.52E+20	1.59E-06	3.99E-05	NA	1.40E-02
ACENAPHTHENE	15	7.51E+00	0.1	7.1	2.91E-03	2.58E+03	8.57E+24	1.62E-06	1.22E-05	NA	2.10E-01
ACETONE	15	1.71E+00	0.1	7.1	8.61E-03	2.58E+03	2.61E+08	1.66E-06	2.83E-06	NA	3.50E-01
BENZENE	15	2.46E+02	0.1	7.1	6.04E-03	2.58E+03	9.64E+11	1.58E-06	3.88E-04	8.29E-06	3.00E-02
CARBON DISULFIDE	15	1.32E+03	0.1	7.1	7.14E-03	2.58E+03	1.38E+10	1.59E-06	2.10E-03	NA	7.00E-01
ETHYLBENZENE	15	3.57E+02	0.1	7.1	5.15E-03	2.58E+03	1.15E+14	1.56E-06	5.58E-04	1.10E-06	1.02E+00
FLUORENE	15	3.09E+00	0.1	7.1	2.53E-03	2.58E+03	4.56E+28	1.64E-06	5.07E-06	NA	1.40E-01
NAPHTHALENE	15	2.26E+01	0.1	7.1	4.06E-03	2.58E+03	7.18E+17	1.59E-06	3.60E-05	NA	3.00E-03
TOLUENE	15	2.97E+02	0.1	7.1	5.98E-03	2.58E+03	1.32E+12	1.58E-06	4.69E-04	NA	3.85E-01

Table 9
Chemical-specific Final Calculations - Groundwater Vapor Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Convection path length, L_p (cm)	Source vapor conc., C_{source} ($\mu g/m^3$)	Crack radius, r_{crack} (cm)	Average vapor flow rate into bldg., Q_{soil} (cm^3/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Area of crack, A_{crack} (cm^2)	Exponent of equivalent foundation Peclet number, $exp(Pe^f)$ (unitless)	Infinite source indoor attenuation coefficient, α (unitless)	Infinite source bldg. conc., $C_{building}$ ($\mu g/m^3$)	Unit risk factor, URF $(\mu g/m^3)^{-1}$	Reference conc., RfC (mg/m^3)
XYLENES (TOTAL)	15	3.33E+02	0.1	7.1	4.81E-03	2.58E+03	1.16E+15	1.56E-06	5.18E-04	NA	7.00E-01

Table 10
Risk-based Concentrations - Groundwater Vapor Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Indoor exposure groundwater conc., carcinogen (μg/L)	Indoor exposure groundwater conc., noncarcinogen (μg/L)	Risk-based indoor exposure groundwater conc., (μg/L)	Pure component water solubility, S (μg/L)	Final indoor exposure groundwater conc., (μg/L)
AES-Admin					
2-BUTANONE		9.14E+07	9.14E+07	2.23E+08	9.14E+07
2-METHYLNAPHTHALENE		3.13E+04	3.13E+04	2.46E+04	NOC
ACETONE		9.20E+06	9.20E+06	1.00E+09	9.20E+06
BENZENE	1.15E+03	1.02E+04	1.15E+03	1.79E+06	1.15E+03
CHLOROBENZENE		2.95E+04	2.95E+04	4.72E+05	2.95E+04
CHLOROFORM	5.56E+02	1.37E+03	5.56E+02	7.92E+06	5.56E+02
CHLOROMETHANE	3.37E+03	6.52E+04	3.37E+03	5.33E+06	3.37E+03
ETHYLBENZENE	6.94E+03	2.77E+05	6.94E+03	1.69E+05	6.94E+03
FLUORENE		2.10E+06	2.10E+06	1.98E+03	NOC
MERCURY, DISSOLVED		9.41E+01	9.41E+01	2.00E+04	9.41E+01
MERCURY, TOTAL		9.41E+01	9.41E+01	2.00E+04	9.41E+01
METHYLENE CHLORIDE	4.05E+04	2.04E+06	4.05E+04	1.30E+07	4.05E+04
NAPHTHALENE		7.35E+03	7.35E+03	3.10E+04	7.35E+03
O-XYLENE		2.45E+05	2.45E+05	1.78E+05	NOC
TERT-BUTYL METHYL ETHER	5.43E+05	5.82E+06	5.43E+05	5.10E+07	5.43E+05
TOLUENE		1.14E+05	1.14E+05	5.26E+05	1.14E+05
XYLENES (TOTAL)		2.45E+05	2.45E+05	1.78E+05	NOC

Table 10
Risk-based Concentrations - Groundwater Vapor Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Indoor exposure groundwater conc., carcinogen (μg/L)	Indoor exposure groundwater conc., noncarcinogen (μg/L)	Risk-based indoor exposure groundwater conc., (μg/L)	Pure component water solubility, S (μg/L)	Final indoor exposure groundwater conc., (μg/L)
AES-Coal					
2-BUTANONE		1.08E+08	1.08E+08	2.23E+08	1.08E+08
2-METHYLNAPHTHALENE		5.41E+04	5.41E+04	2.46E+04	NOC
ACETONE		1.06E+07	1.06E+07	1.00E+09	1.06E+07
BENZENE	2.82E+03	2.51E+04	2.82E+03	1.79E+06	2.82E+03
CHLOROBENZENE		7.26E+04	7.26E+04	4.72E+05	7.26E+04
CHLOROFORM	1.26E+03	3.11E+03	1.26E+03	7.92E+06	1.26E+03
CHLOROMETHANE	8.18E+03	1.58E+05	8.18E+03	5.33E+06	8.18E+03
ETHYLBENZENE	1.86E+04	7.44E+05	1.86E+04	1.69E+05	1.86E+04
FLUORENE		2.58E+06	2.58E+06	1.98E+03	NOC
MERCURY, DISSOLVED		3.02E+02	3.02E+02	2.00E+04	3.02E+02
MERCURY, TOTAL		3.02E+02	3.02E+02	2.00E+04	3.02E+02
METHYLENE CHLORIDE	8.23E+04	4.14E+06	8.23E+04	1.30E+07	8.23E+04
NAPHTHALENE		1.24E+04	1.24E+04	3.10E+04	1.24E+04
O-XYLENE		6.02E+05	6.02E+05	1.78E+05	NOC
TERT-BUTYL METHYL ETHER	8.66E+05	9.28E+06	8.66E+05	5.10E+07	8.66E+05
TOLUENE		2.91E+05	2.91E+05	5.26E+05	2.91E+05
XYLENES (TOTAL)		6.02E+05	6.02E+05	1.78E+05	NOC
LAS MAREAS					
ACETONE		3.38E+05	3.38E+05	1.00E+09	3.38E+05
CARBON DISULFIDE		5.18E+03	5.18E+03	1.19E+06	5.18E+03
MERCURY, TOTAL		9.19E+00	9.19E+00	2.00E+04	9.19E+00
METHYLENE CHLORIDE	1.84E+03	1.11E+05	1.84E+03	1.30E+07	1.84E+03
TERT-BUTYL METHYL ETHER	1.97E+04	2.53E+05	1.97E+04	5.10E+07	1.97E+04
XYLENES (TOTAL)		1.79E+04	1.79E+04	1.61E+05	1.79E+04

Table 10
Risk-based Concentrations - Groundwater Vapor Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Indoor exposure groundwater conc., carcinogen (μg/L)	Indoor exposure groundwater conc., noncarcinogen (μg/L)	Risk-based indoor exposure groundwater conc., (μg/L)	Pure component water solubility, S (μg/L)	Final indoor exposure groundwater conc., (μg/L)
CPCPRC_JE					
2-METHYLNAPHTHALENE		5.13E+04	5.13E+04	2.46E+04	NOC
ACENAPHTHENE		2.52E+06	2.52E+06	3.57E+03	NOC
ACETONE		1.81E+07	1.81E+07	1.00E+09	1.81E+07
BENZENE	1.27E+03	1.13E+04	1.27E+03	1.79E+06	1.27E+03
CARBON DISULFIDE		4.87E+04	4.87E+04	1.19E+06	4.87E+04
ETHYLBENZENE	6.66E+03	2.66E+05	6.66E+03	1.69E+05	6.66E+03
FLUORENE		4.03E+06	4.03E+06	1.98E+03	NOC
NAPHTHALENE		1.22E+04	1.22E+04	3.10E+04	1.22E+04
TOLUENE		1.20E+05	1.20E+05	5.26E+05	1.20E+05
XYLENES (TOTAL)		1.97E+05	1.97E+05	1.61E+05	NOC

NOC denotes that the risk-based concentration is higher than the pure compound solubility.

Table 11
Detected Chemical Data - Groundwater Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Scenarios	Location	Collection Date	CAS	Parameter	Result	Qualifier	Unit	Final-PRG	PRG Basis	PRG Exceeded?
AES	JE_ADMIN	GP-409	12-Feb-01	71-43-2	BENZENE	4.20E+03	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-131	13-Jul-98	71-43-2	BENZENE	2.90E+05	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-131	15-Dec-98	71-43-2	BENZENE	1.40E+05	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-131	15-Jun-99	71-43-2	BENZENE	1.70E+05	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-131	15-Nov-99	71-43-2	BENZENE	1.20E+04	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-162	9-Jul-98	71-43-2	BENZENE	3.90E+05	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-162	15-Dec-98	71-43-2	BENZENE	2.70E+05	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-162	15-Nov-99	71-43-2	BENZENE	1.00E+05	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-163	9-Jul-98	71-43-2	BENZENE	2.40E+05	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-163	15-Dec-98	71-43-2	BENZENE	5.30E+04	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-163	15-Jun-99	71-43-2	BENZENE	2.60E+05	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-163	15-Nov-99	71-43-2	BENZENE	8.70E+04	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-164	9-Jul-98	71-43-2	BENZENE	9.30E+04	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-164	15-Dec-98	71-43-2	BENZENE	4.90E+04	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-164	15-Jun-99	71-43-2	BENZENE	2.60E+04	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-164	15-Nov-99	71-43-2	BENZENE	1.40E+04	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-165	9-Jul-98	71-43-2	BENZENE	4.30E+05	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-165	15-Dec-98	71-43-2	BENZENE	4.50E+05	=	ug/L	1.15E+03	C	Y
AES	JE_ADMIN	MW-165	15-Nov-99	71-43-2	BENZENE	4.20E+05	=	ug/L	1.15E+03	C	Y
AES	JE_COAL	GP-409	12-Feb-01	71-43-2	BENZENE	4.20E+03	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-131	13-Jul-98	71-43-2	BENZENE	2.90E+05	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-131	15-Dec-98	71-43-2	BENZENE	1.40E+05	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-131	15-Jun-99	71-43-2	BENZENE	1.70E+05	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-131	15-Nov-99	71-43-2	BENZENE	1.20E+04	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-162	9-Jul-98	71-43-2	BENZENE	3.90E+05	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-162	15-Dec-98	71-43-2	BENZENE	2.70E+05	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-162	15-Nov-99	71-43-2	BENZENE	1.00E+05	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-163	9-Jul-98	71-43-2	BENZENE	2.40E+05	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-163	15-Dec-98	71-43-2	BENZENE	5.30E+04	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-163	15-Jun-99	71-43-2	BENZENE	2.60E+05	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-163	15-Nov-99	71-43-2	BENZENE	8.70E+04	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-164	9-Jul-98	71-43-2	BENZENE	9.30E+04	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-164	15-Dec-98	71-43-2	BENZENE	4.90E+04	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-164	15-Jun-99	71-43-2	BENZENE	2.60E+04	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-164	15-Nov-99	71-43-2	BENZENE	1.40E+04	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-165	9-Jul-98	71-43-2	BENZENE	4.30E+05	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-165	15-Dec-98	71-43-2	BENZENE	4.50E+05	=	ug/L	2.82E+03	C	Y
AES	JE_COAL	MW-165	15-Nov-99	71-43-2	BENZENE	4.20E+05	=	ug/L	2.82E+03	C	Y

Table 11
Detected Chemical Data - Groundwater Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Scenarios	Location	Collection Date	CAS	Parameter	Result	Qualifier	Unit	Final-PRG	PRG Basis	PRG Exceeded?
ONSITE_JE	JE_ADMIN_CPCPRC	MW-111	28-Oct-94	71-43-2	BENZENE	2.20E+03	=	UG/L	1.27E+03	C	Y
AES	JE_ADMIN	GP-404	5-Feb-01	78-93-3	2-BUTANONE	1.80E+00	J	ug/L	9.14E+07	NC	
AES	JE_ADMIN	GP-404	5-Feb-01	67-64-1	ACETONE	2.50E+00	J	ug/L	9.20E+06	NC	
AES	JE_ADMIN	GP-406	6-Feb-01	78-93-3	2-BUTANONE	2.30E+00	J	ug/L	9.14E+07	NC	
AES	JE_ADMIN	GP-406	6-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	1.10E+00	J	ug/L	5.43E+05	C	
AES	JE_ADMIN	GP-407	6-Feb-01	78-93-3	2-BUTANONE	1.00E+01	=	ug/L	9.14E+07	NC	
AES	JE_ADMIN	GP-407	6-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	4.10E-01	J	ug/L	5.43E+05	C	
AES	JE_ADMIN	GP-408	6-Feb-01	78-93-3	2-BUTANONE	6.30E+00	J	ug/L	9.14E+07	NC	
AES	JE_ADMIN	GP-408	6-Feb-01	67-64-1	ACETONE	4.50E+00	J	ug/L	9.20E+06	NC	
AES	JE_ADMIN	GP-408	6-Feb-01	74-87-3	CHLOROMETHANE	8.40E+00	=	ug/L	3.37E+03	C	
AES	JE_ADMIN	GP-408	6-Feb-01	7439-97-6	MERCURY, TOTAL	1.10E-01	=	ug/L	9.41E+01	NC	
AES	JE_ADMIN	GP-408	6-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	5.60E+01	=	ug/L	5.43E+05	C	
AES	JE_ADMIN	GP-409	12-Feb-01	91-57-6	2-METHYLNAPHTHALENE	2.70E+00	J	ug/L	3.13E+04	NC	
AES	JE_ADMIN	GP-409	12-Feb-01	100-41-4	ETHYLBENZENE	6.20E+02	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	GP-409	12-Feb-01	86-73-7	FLUORENE	2.90E+00	J	ug/L	2.10E+06	NC	
AES	JE_ADMIN	GP-409	12-Feb-01	91-20-3	NAPHTHALENE	1.60E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	GP-409	12-Feb-01	108-88-3	TOLUENE	1.50E+03	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	GP-410	12-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	1.10E+00	J	ug/L	5.43E+05	C	
AES	JE_ADMIN	GP-411	8-Feb-01	91-57-6	2-METHYLNAPHTHALENE	2.30E+00	J	ug/L	3.13E+04	NC	
AES	JE_ADMIN	GP-411	8-Feb-01	71-43-2	BENZENE	2.90E+02	=	ug/L	1.15E+03	C	
AES	JE_ADMIN	GP-411	8-Feb-01	100-41-4	ETHYLBENZENE	2.10E+02	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	GP-411	8-Feb-01	86-73-7	FLUORENE	3.10E+00	J	ug/L	2.10E+06	NC	
AES	JE_ADMIN	GP-411	8-Feb-01	91-20-3	NAPHTHALENE	1.00E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	GP-411	8-Feb-01	108-88-3	TOLUENE	1.60E+01	J	ug/L	1.14E+05	NC	
AES	JE_ADMIN	GP-412	8-Feb-01	7439-97-6	MERCURY, TOTAL	7.50E-02	=	ug/L	9.41E+01	NC	
AES	JE_ADMIN	MW-131	13-Jul-98	108-90-7	CHLOROBENZENE	9.00E+00	=	ug/L	2.95E+04	NC	
AES	JE_ADMIN	MW-131	13-Jul-98	100-41-4	ETHYLBENZENE	1.10E+03	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	MW-131	13-Jul-98	91-20-3	NAPHTHALENE	2.60E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-131	13-Jul-98	108-88-3	TOLUENE	7.80E+03	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-131	15-Dec-98	91-20-3	NAPHTHALENE	5.00E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-131	15-Dec-98	108-88-3	TOLUENE	6.00E+03	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-131	15-Jun-99	7439-97-6	MERCURY, TOTAL	4.00E-01	=	ug/L	9.41E+01	NC	
AES	JE_ADMIN	MW-131	15-Jun-99	91-20-3	NAPHTHALENE	4.30E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-131	15-Jun-99	108-88-3	TOLUENE	6.00E+03	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-131	15-Nov-99	100-41-4	ETHYLBENZENE	6.70E+02	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	MW-132	28-Oct-94	71-43-2	BENZENE	3.80E+00	=	UG/L	1.15E+03	C	
AES	JE_ADMIN	MW-132	28-Oct-94	95-47-6	O-XYLENE	8.00E-01	=	UG/L	2.45E+05	NC	
AES	JE_ADMIN	MW-132	28-Oct-94	108-88-3	TOLUENE	2.00E+01	=	UG/L	1.14E+05	NC	

Table 11
Detected Chemical Data - Groundwater Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Scenarios	Location	Collection Date	CAS	Parameter	Result	Qualifier	Unit	Final-PRG	PRG Basis	PRG Exceeded?
AES	JE_ADMIN	MW-132	15-Dec-98	71-43-2	BENZENE	2.00E+00	=	ug/L	1.15E+03	C	
AES	JE_ADMIN	MW-132	15-Jun-99	71-43-2	BENZENE	1.67E+01	=	ug/L	1.15E+03	C	
AES	JE_ADMIN	MW-132	15-Jun-99	100-41-4	ETHYLBENZENE	1.41E+01	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	MW-132	15-Jun-99	108-88-3	TOLUENE	1.07E+01	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-132	15-Nov-99	71-43-2	BENZENE	5.00E+01	=	ug/L	1.15E+03	C	
AES	JE_ADMIN	MW-162	9-Jul-98	108-90-7	CHLOROBENZENE	9.00E+00	=	ug/L	2.95E+04	NC	
AES	JE_ADMIN	MW-162	9-Jul-98	100-41-4	ETHYLBENZENE	1.80E+03	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	MW-162	9-Jul-98	91-20-3	NAPHTHALENE	5.10E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-162	9-Jul-98	108-88-3	TOLUENE	5.00E+03	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-162	15-Dec-98	91-20-3	NAPHTHALENE	5.10E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-162	15-Jun-99	71-43-2	BENZENE	1.29E+02	=	ug/L	1.15E+03	C	
AES	JE_ADMIN	MW-162	15-Jun-99	7439-97-6	MERCURY, TOTAL	1.80E+00	=	ug/L	9.41E+01	NC	
AES	JE_ADMIN	MW-162	15-Jun-99	91-20-3	NAPHTHALENE	8.00E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-162	15-Nov-99	100-41-4	ETHYLBENZENE	8.80E+02	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	MW-162	15-Nov-99	91-20-3	NAPHTHALENE	3.50E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-162	15-Nov-99	108-88-3	TOLUENE	2.00E+02	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-163	9-Jul-98	108-90-7	CHLOROBENZENE	9.00E+00	=	ug/L	2.95E+04	NC	
AES	JE_ADMIN	MW-163	9-Jul-98	100-41-4	ETHYLBENZENE	1.00E+03	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	MW-163	9-Jul-98	91-20-3	NAPHTHALENE	2.50E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-163	9-Jul-98	108-88-3	TOLUENE	1.10E+03	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-163	15-Dec-98	91-20-3	NAPHTHALENE	2.00E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-163	15-Jun-99	7439-97-6	MERCURY, TOTAL	1.10E+00	=	ug/L	9.41E+01	NC	
AES	JE_ADMIN	MW-163	15-Jun-99	91-20-3	NAPHTHALENE	3.70E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-163	15-Nov-99	100-41-4	ETHYLBENZENE	4.80E+02	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	MW-163	15-Nov-99	91-20-3	NAPHTHALENE	4.00E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-163	15-Nov-99	108-88-3	TOLUENE	1.50E+02	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-164	9-Jul-98	108-90-7	CHLOROBENZENE	1.40E+01	=	ug/L	2.95E+04	NC	
AES	JE_ADMIN	MW-164	9-Jul-98	100-41-4	ETHYLBENZENE	9.80E+02	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	MW-164	9-Jul-98	91-20-3	NAPHTHALENE	1.60E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-164	9-Jul-98	108-88-3	TOLUENE	8.50E+01	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-164	15-Dec-98	91-20-3	NAPHTHALENE	1.30E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-164	15-Nov-99	108-90-7	CHLOROBENZENE	7.00E+00	=	ug/L	2.95E+04	NC	
AES	JE_ADMIN	MW-164	15-Nov-99	100-41-4	ETHYLBENZENE	2.80E+02	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	MW-164	15-Nov-99	91-20-3	NAPHTHALENE	1.60E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-164	15-Nov-99	108-88-3	TOLUENE	8.10E+01	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-165	9-Jul-98	108-90-7	CHLOROBENZENE	9.00E+00	=	ug/L	2.95E+04	NC	
AES	JE_ADMIN	MW-165	9-Jul-98	100-41-4	ETHYLBENZENE	1.40E+03	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	MW-165	9-Jul-98	91-20-3	NAPHTHALENE	3.80E+01	=	ug/L	7.35E+03	NC	

Table 11
Detected Chemical Data - Groundwater Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Scenarios	Location	Collection Date	CAS	Parameter	Result	Qualifier	Unit	Final-PRG	PRG Basis	PRG Exceeded?
AES	JE_ADMIN	MW-165	9-Jul-98	108-88-3	TOLUENE	4.50E+03	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-165	15-Dec-98	91-20-3	NAPHTHALENE	7.10E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-165	15-Dec-98	108-88-3	TOLUENE	2.00E+04	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-165	15-Jun-99	71-43-2	BENZENE	1.44E+02	=	ug/L	1.15E+03	C	
AES	JE_ADMIN	MW-165	15-Jun-99	7439-97-6	MERCURY, TOTAL	1.80E+00	=	ug/L	9.41E+01	NC	
AES	JE_ADMIN	MW-165	15-Jun-99	91-20-3	NAPHTHALENE	6.90E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-165	15-Jun-99	108-88-3	TOLUENE	2.91E+00	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-165	15-Nov-99	100-41-4	ETHYLBENZENE	2.60E+03	=	ug/L	6.94E+03	C	
AES	JE_ADMIN	MW-165	15-Nov-99	91-20-3	NAPHTHALENE	7.00E+01	=	ug/L	7.35E+03	NC	
AES	JE_ADMIN	MW-165	15-Nov-99	108-88-3	TOLUENE	1.30E+04	=	ug/L	1.14E+05	NC	
AES	JE_ADMIN	MW-50	18-Apr-02	67-66-3	CHLOROFORM	3.10E+00	J	ug/L	5.56E+02	C	
AES	JE_ADMIN	MW-50	7-Jan-03	75-09-2	METHYLENE CHLORIDE	3.70E+00	J	ug/L	4.05E+04	C	
AES	JE_ADMIN	MW-50	30-Jul-03	1634-04-4	TERT-BUTYL METHYL ETHER	2.20E+00	J	ug/L	5.43E+05	C	
AES	JE_ADMIN	MW-51	18-Apr-02	7439-97-6	MERCURY, TOTAL	6.40E-01	=	ug/L	9.41E+01	NC	
AES	JE_ADMIN	MW-51	18-Apr-02	1634-04-4	TERT-BUTYL METHYL ETHER	1.27E+01	=	ug/L	5.43E+05	C	
AES	JE_ADMIN	MW-51	1-Jul-02	1634-04-4	TERT-BUTYL METHYL ETHER	2.33E+01	=	ug/L	5.43E+05	C	
AES	JE_ADMIN	MW-51	7-Jan-03	7439-97-6	MERCURY, DISSOLVED	2.90E-02	J	ug/L	9.41E+01	NC	
AES	JE_ADMIN	MW-51	7-Jan-03	75-09-2	METHYLENE CHLORIDE	8.20E+00	=	ug/L	4.05E+04	C	
AES	JE_ADMIN	MW-51	7-Jan-03	1634-04-4	TERT-BUTYL METHYL ETHER	6.00E+00	=	ug/L	5.43E+05	C	
AES	JE_ADMIN	MW-51	30-Jul-03	1634-04-4	TERT-BUTYL METHYL ETHER	1.00E+01	=	ug/L	5.43E+05	C	
AES	JE_ADMIN	MW-51	19-Jan-04	1634-04-4	TERT-BUTYL METHYL ETHER	1.28E+01	=	ug/L	5.43E+05	C	
AES	JE_ADMIN	MW-52	1-Jul-02	75-09-2	METHYLENE CHLORIDE	2.05E+01	=	ug/L	4.05E+04	C	
AES	JE_ADMIN	MW-52	7-Jan-03	75-09-2	METHYLENE CHLORIDE	6.40E+00	=	ug/L	4.05E+04	C	
AES	JE_ADMIN	MW-52	19-Jan-04	67-64-1	ACETONE	3.71E+01	=	ug/L	9.20E+06	NC	
AES	JE_COAL	GP-404	5-Feb-01	78-93-3	2-BUTANONE	1.80E+00	J	ug/L	1.08E+08	NC	
AES	JE_COAL	GP-404	5-Feb-01	67-64-1	ACETONE	2.50E+00	J	ug/L	1.06E+07	NC	
AES	JE_COAL	GP-406	6-Feb-01	78-93-3	2-BUTANONE	2.30E+00	J	ug/L	1.08E+08	NC	
AES	JE_COAL	GP-406	6-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	1.10E+00	J	ug/L	8.66E+05	C	
AES	JE_COAL	GP-407	6-Feb-01	78-93-3	2-BUTANONE	1.00E+01	=	ug/L	1.08E+08	NC	
AES	JE_COAL	GP-407	6-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	4.10E-01	J	ug/L	8.66E+05	C	
AES	JE_COAL	GP-408	6-Feb-01	78-93-3	2-BUTANONE	6.30E+00	J	ug/L	1.08E+08	NC	
AES	JE_COAL	GP-408	6-Feb-01	67-64-1	ACETONE	4.50E+00	J	ug/L	1.06E+07	NC	
AES	JE_COAL	GP-408	6-Feb-01	74-87-3	CHLOROMETHANE	8.40E+00	=	ug/L	8.18E+03	C	
AES	JE_COAL	GP-408	6-Feb-01	7439-97-6	MERCURY, TOTAL	1.10E-01	=	ug/L	3.02E+02	NC	
AES	JE_COAL	GP-408	6-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	5.60E+01	=	ug/L	8.66E+05	C	
AES	JE_COAL	GP-409	12-Feb-01	91-57-6	2-METHYLNAPHTHALENE	2.70E+00	J	ug/L	5.41E+04	NC	
AES	JE_COAL	GP-409	12-Feb-01	100-41-4	ETHYLBENZENE	6.20E+02	=	ug/L	1.86E+04	C	
AES	JE_COAL	GP-409	12-Feb-01	86-73-7	FLUORENE	2.90E+00	J	ug/L	2.58E+06	NC	

Table 11
Detected Chemical Data - Groundwater Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Scenarios	Location	Collection Date	CAS	Parameter	Result	Qualifier	Unit	Final-PRG	PRG Basis	PRG Exceeded?
AES	JE_COAL	GP-409	12-Feb-01	91-20-3	NAPHTHALENE	1.60E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	GP-409	12-Feb-01	108-88-3	TOLUENE	1.50E+03	=	ug/L	2.91E+05	NC	
AES	JE_COAL	GP-409	12-Feb-01	1330-20-7	XYLENES (TOTAL)	6.90E+03	=	ug/L	6.02E+05	NC	
AES	JE_COAL	GP-410	12-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	1.10E+00	J	ug/L	8.66E+05	C	
AES	JE_COAL	GP-411	8-Feb-01	91-57-6	2-METHYLNAPHTHALENE	2.30E+00	J	ug/L	5.41E+04	NC	
AES	JE_COAL	GP-411	8-Feb-01	71-43-2	BENZENE	2.90E+02	=	ug/L	2.82E+03	C	
AES	JE_COAL	GP-411	8-Feb-01	100-41-4	ETHYLBENZENE	2.10E+02	=	ug/L	1.86E+04	C	
AES	JE_COAL	GP-411	8-Feb-01	86-73-7	FLUORENE	3.10E+00	J	ug/L	2.58E+06	NC	
AES	JE_COAL	GP-411	8-Feb-01	91-20-3	NAPHTHALENE	1.00E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	GP-411	8-Feb-01	108-88-3	TOLUENE	1.60E+01	J	ug/L	2.91E+05	NC	
AES	JE_COAL	GP-411	8-Feb-01	1330-20-7	XYLENES (TOTAL)	1.30E+03	=	ug/L	6.02E+05	NC	
AES	JE_COAL	GP-412	8-Feb-01	7439-97-6	MERCURY, TOTAL	7.50E-02	=	ug/L	3.02E+02	NC	
AES	JE_COAL	MW-131	13-Jul-98	108-90-7	CHLOROBENZENE	9.00E+00	=	ug/L	7.26E+04	NC	
AES	JE_COAL	MW-131	13-Jul-98	100-41-4	ETHYLBENZENE	1.10E+03	=	ug/L	1.86E+04	C	
AES	JE_COAL	MW-131	13-Jul-98	91-20-3	NAPHTHALENE	2.60E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-131	13-Jul-98	108-88-3	TOLUENE	7.80E+03	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-131	13-Jul-98	1330-20-7	XYLENES (TOTAL)	1.20E+04	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-131	15-Dec-98	91-20-3	NAPHTHALENE	5.00E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-131	15-Dec-98	108-88-3	TOLUENE	6.00E+03	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-131	15-Dec-98	1330-20-7	XYLENES (TOTAL)	5.00E+03	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-131	15-Jun-99	7439-97-6	MERCURY, TOTAL	4.00E-01	=	ug/L	3.02E+02	NC	
AES	JE_COAL	MW-131	15-Jun-99	91-20-3	NAPHTHALENE	4.30E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-131	15-Jun-99	108-88-3	TOLUENE	6.00E+03	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-131	15-Nov-99	100-41-4	ETHYLBENZENE	6.70E+02	=	ug/L	1.86E+04	C	
AES	JE_COAL	MW-131	15-Nov-99	1330-20-7	XYLENES (TOTAL)	1.20E+03	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-132	28-Oct-94	71-43-2	BENZENE	3.80E+00	=	UG/L	2.82E+03	C	
AES	JE_COAL	MW-132	28-Oct-94	95-47-6	O-XYLENE	8.00E-01	=	UG/L	6.02E+05	NC	
AES	JE_COAL	MW-132	28-Oct-94	108-88-3	TOLUENE	2.00E+01	=	UG/L	2.91E+05	NC	
AES	JE_COAL	MW-132	15-Dec-98	71-43-2	BENZENE	2.00E+00	=	ug/L	2.82E+03	C	
AES	JE_COAL	MW-132	15-Jun-99	71-43-2	BENZENE	1.67E+01	=	ug/L	2.82E+03	C	
AES	JE_COAL	MW-132	15-Jun-99	100-41-4	ETHYLBENZENE	1.41E+01	=	ug/L	1.86E+04	C	
AES	JE_COAL	MW-132	15-Jun-99	108-88-3	TOLUENE	1.07E+01	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-132	15-Jun-99	1330-20-7	XYLENES (TOTAL)	1.19E+02	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-132	15-Nov-99	71-43-2	BENZENE	5.00E+01	=	ug/L	2.82E+03	C	
AES	JE_COAL	MW-162	9-Jul-98	108-90-7	CHLOROBENZENE	9.00E+00	=	ug/L	7.26E+04	NC	
AES	JE_COAL	MW-162	9-Jul-98	100-41-4	ETHYLBENZENE	1.80E+03	=	ug/L	1.86E+04	C	
AES	JE_COAL	MW-162	9-Jul-98	91-20-3	NAPHTHALENE	5.10E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-162	9-Jul-98	108-88-3	TOLUENE	5.00E+03	=	ug/L	2.91E+05	NC	

Table 11
Detected Chemical Data - Groundwater Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Scenarios	Location	Collection Date	CAS	Parameter	Result	Qualifier	Unit	Final-PRG	PRG Basis	PRG Exceeded?
AES	JE_COAL	MW-162	9-Jul-98	1330-20-7	XYLENES (TOTAL)	1.40E+04	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-162	15-Dec-98	91-20-3	NAPHTHALENE	5.10E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-162	15-Jun-99	71-43-2	BENZENE	1.29E+02	=	ug/L	2.82E+03	C	
AES	JE_COAL	MW-162	15-Jun-99	7439-97-6	MERCURY, TOTAL	1.80E+00	=	ug/L	3.02E+02	NC	
AES	JE_COAL	MW-162	15-Jun-99	91-20-3	NAPHTHALENE	8.00E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-162	15-Nov-99	100-41-4	ETHYLBENZENE	8.80E+02	=	ug/L	1.86E+04	C	
AES	JE_COAL	MW-162	15-Nov-99	91-20-3	NAPHTHALENE	3.50E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-162	15-Nov-99	108-88-3	TOLUENE	2.00E+02	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-162	15-Nov-99	1330-20-7	XYLENES (TOTAL)	5.20E+03	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-163	9-Jul-98	108-90-7	CHLOROBENZENE	9.00E+00	=	ug/L	7.26E+04	NC	
AES	JE_COAL	MW-163	9-Jul-98	100-41-4	ETHYLBENZENE	1.00E+03	=	ug/L	1.86E+04	C	
AES	JE_COAL	MW-163	9-Jul-98	91-20-3	NAPHTHALENE	2.50E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-163	9-Jul-98	108-88-3	TOLUENE	1.10E+03	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-163	9-Jul-98	1330-20-7	XYLENES (TOTAL)	2.70E+03	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-163	15-Dec-98	91-20-3	NAPHTHALENE	2.00E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-163	15-Jun-99	7439-97-6	MERCURY, TOTAL	1.10E+00	=	ug/L	3.02E+02	NC	
AES	JE_COAL	MW-163	15-Jun-99	91-20-3	NAPHTHALENE	3.70E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-163	15-Nov-99	100-41-4	ETHYLBENZENE	4.80E+02	=	ug/L	1.86E+04	C	
AES	JE_COAL	MW-163	15-Nov-99	91-20-3	NAPHTHALENE	4.00E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-163	15-Nov-99	108-88-3	TOLUENE	1.50E+02	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-163	15-Nov-99	1330-20-7	XYLENES (TOTAL)	2.60E+03	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-164	9-Jul-98	108-90-7	CHLOROBENZENE	1.40E+01	=	ug/L	7.26E+04	NC	
AES	JE_COAL	MW-164	9-Jul-98	100-41-4	ETHYLBENZENE	9.80E+02	=	ug/L	1.86E+04	C	
AES	JE_COAL	MW-164	9-Jul-98	91-20-3	NAPHTHALENE	1.60E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-164	9-Jul-98	108-88-3	TOLUENE	8.50E+01	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-164	9-Jul-98	1330-20-7	XYLENES (TOTAL)	4.70E+03	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-164	15-Dec-98	91-20-3	NAPHTHALENE	1.30E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-164	15-Nov-99	108-90-7	CHLOROBENZENE	7.00E+00	=	ug/L	7.26E+04	NC	
AES	JE_COAL	MW-164	15-Nov-99	100-41-4	ETHYLBENZENE	2.80E+02	=	ug/L	1.86E+04	C	
AES	JE_COAL	MW-164	15-Nov-99	91-20-3	NAPHTHALENE	1.60E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-164	15-Nov-99	108-88-3	TOLUENE	8.10E+01	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-164	15-Nov-99	1330-20-7	XYLENES (TOTAL)	2.60E+03	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-165	9-Jul-98	108-90-7	CHLOROBENZENE	9.00E+00	=	ug/L	7.26E+04	NC	
AES	JE_COAL	MW-165	9-Jul-98	100-41-4	ETHYLBENZENE	1.40E+03	=	ug/L	1.86E+04	C	
AES	JE_COAL	MW-165	9-Jul-98	91-20-3	NAPHTHALENE	3.80E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-165	9-Jul-98	108-88-3	TOLUENE	4.50E+03	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-165	9-Jul-98	1330-20-7	XYLENES (TOTAL)	1.30E+04	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-165	15-Dec-98	91-20-3	NAPHTHALENE	7.10E+01	=	ug/L	1.24E+04	NC	

Table 11
Detected Chemical Data - Groundwater Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Scenarios	Location	Collection Date	CAS	Parameter	Result	Qualifier	Unit	Final-PRG	PRG Basis	PRG Exceeded?
AES	JE_COAL	MW-165	15-Dec-98	108-88-3	TOLUENE	2.00E+04	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-165	15-Dec-98	1330-20-7	XYLENES (TOTAL)	3.00E+04	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-165	15-Jun-99	71-43-2	BENZENE	1.44E+02	=	ug/L	2.82E+03	C	
AES	JE_COAL	MW-165	15-Jun-99	7439-97-6	MERCURY, TOTAL	1.80E+00	=	ug/L	3.02E+02	NC	
AES	JE_COAL	MW-165	15-Jun-99	91-20-3	NAPHTHALENE	6.90E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-165	15-Jun-99	108-88-3	TOLUENE	2.91E+00	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-165	15-Nov-99	100-41-4	ETHYLBENZENE	2.60E+03	=	ug/L	1.86E+04	C	
AES	JE_COAL	MW-165	15-Nov-99	91-20-3	NAPHTHALENE	7.00E+01	=	ug/L	1.24E+04	NC	
AES	JE_COAL	MW-165	15-Nov-99	108-88-3	TOLUENE	1.30E+04	=	ug/L	2.91E+05	NC	
AES	JE_COAL	MW-165	15-Nov-99	1330-20-7	XYLENES (TOTAL)	2.50E+04	=	ug/L	6.02E+05	NC	
AES	JE_COAL	MW-50	18-Apr-02	67-66-3	CHLOROFORM	3.10E+00	J	ug/L	1.26E+03	C	
AES	JE_COAL	MW-50	7-Jan-03	75-09-2	METHYLENE CHLORIDE	3.70E+00	J	ug/L	8.23E+04	C	
AES	JE_COAL	MW-50	30-Jul-03	1634-04-4	TERT-BUTYL METHYL ETHER	2.20E+00	J	ug/L	8.66E+05	C	
AES	JE_COAL	MW-51	18-Apr-02	7439-97-6	MERCURY, TOTAL	6.40E-01	=	ug/L	3.02E+02	NC	
AES	JE_COAL	MW-51	18-Apr-02	1634-04-4	TERT-BUTYL METHYL ETHER	1.27E+01	=	ug/L	8.66E+05	C	
AES	JE_COAL	MW-51	1-Jul-02	1634-04-4	TERT-BUTYL METHYL ETHER	2.33E+01	=	ug/L	8.66E+05	C	
AES	JE_COAL	MW-51	7-Jan-03	7439-97-6	MERCURY, DISSOLVED	2.90E-02	J	ug/L	3.02E+02	NC	
AES	JE_COAL	MW-51	7-Jan-03	75-09-2	METHYLENE CHLORIDE	8.20E+00	=	ug/L	8.23E+04	C	
AES	JE_COAL	MW-51	7-Jan-03	1634-04-4	TERT-BUTYL METHYL ETHER	6.00E+00	=	ug/L	8.66E+05	C	
AES	JE_COAL	MW-51	30-Jul-03	1634-04-4	TERT-BUTYL METHYL ETHER	1.00E+01	=	ug/L	8.66E+05	C	
AES	JE_COAL	MW-51	19-Jan-04	1634-04-4	TERT-BUTYL METHYL ETHER	1.28E+01	=	ug/L	8.66E+05	C	
AES	JE_COAL	MW-52	1-Jul-02	75-09-2	METHYLENE CHLORIDE	2.05E+01	=	ug/L	8.23E+04	C	
AES	JE_COAL	MW-52	7-Jan-03	75-09-2	METHYLENE CHLORIDE	6.40E+00	=	ug/L	8.23E+04	C	
AES	JE_COAL	MW-52	19-Jan-04	67-64-1	ACETONE	3.71E+01	=	ug/L	1.06E+07	NC	
MAREAS	JE_RES	GP-398	14-Feb-01	67-64-1	ACETONE	4.10E+00	J	ug/L	3.38E+05	NC	
MAREAS	JE_RES	GP-398	14-Feb-01	75-15-0	CARBON DISULFIDE	3.10E-01	J	ug/L	5.18E+03	NC	
MAREAS	JE_RES	GP-398	14-Feb-01	7439-97-6	MERCURY, TOTAL	3.00E-02	=	ug/L	9.19E+00	NC	
MAREAS	JE_RES	GP-398	14-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	1.70E+00	J	ug/L	1.97E+04	C	
MAREAS	JE_RES	GP-416	12-Feb-01	7439-97-6	MERCURY, TOTAL	1.20E+00	=	ug/L	9.19E+00	NC	
MAREAS	JE_RES	GP-416	12-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	1.70E+00	J	ug/L	1.97E+04	C	
MAREAS	JE_RES	MW-166	15-Feb-01	67-64-1	ACETONE	2.20E+00	J	ug/L	3.38E+05	NC	
MAREAS	JE_RES	MW-166	15-Feb-01	7439-97-6	MERCURY, TOTAL	3.20E-01	=	ug/L	9.19E+00	NC	
MAREAS	JE_RES	MW-166	15-Feb-01	1634-04-4	TERT-BUTYL METHYL ETHER	3.10E+00	J	ug/L	1.97E+04	C	
MAREAS	JE_RES	MW-166	16-Jul-01	1634-04-4	TERT-BUTYL METHYL ETHER	5.00E+00	=	ug/L	1.97E+04	C	
MAREAS	JE_RES	MW-166	3-Jan-02	67-64-1	ACETONE	2.10E+00	J	ug/L	3.38E+05	NC	
MAREAS	JE_RES	MW-166	3-Jan-02	1634-04-4	TERT-BUTYL METHYL ETHER	5.30E+00	=	ug/L	1.97E+04	C	
MAREAS	JE_RES	MW-166	27-Jun-02	75-09-2	METHYLENE CHLORIDE	1.95E+01	=	ug/L	1.84E+03	C	
MAREAS	JE_RES	MW-166	7-Aug-03	1634-04-4	TERT-BUTYL METHYL ETHER	5.30E+00	=	ug/L	1.97E+04	C	

Table 11
Detected Chemical Data - Groundwater Intrusion Modeling
CPC Puerto Rico Core Inc.

Area	Scenarios	Location	Collection Date	CAS	Parameter	Result	Qualifier	Unit	Final-PRG	PRG Basis	PRG Exceeded?
MAREAS	JE_RES	MW-166	21-Jan-04	1634-04-4	TERT-BUTYL METHYL ETHER	4.50E+00	J	ug/L	1.97E+04	C	
CPCPRC_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	91-57-6	2-METHYLNAPHTHALENE	2.60E+00	=	UG/L	5.13E+04	NC	
CPCPRC_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	83-32-9	ACENAPHTHENE	2.20E+00	=	UG/L	2.52E+06	NC	
CPCPRC_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	71-43-2	BENZENE	1.10E+03	=	UG/L	1.27E+03	C	
CPCPRC_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	100-41-4	ETHYLBENZENE	9.70E+01	=	UG/L	6.66E+03	C	
CPCPRC_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	86-73-7	FLUORENE	7.70E+00	=	UG/L	4.03E+06	NC	
CPCPRC_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	91-20-3	NAPHTHALENE	9.40E+00	=	UG/L	1.22E+04	NC	
CPCPRC_JE	JE_ADMIN_CPCPRC	MW-111	17-Aug-92	108-88-3	TOLUENE	1.50E+02	=	UG/L	1.20E+05	NC	
CPCPRC_JE	JE_ADMIN_CPCPRC	MW-111	31-Mar-94	75-15-0	CARBON DISULFIDE	3.40E+00	=	UG/L	4.87E+04	NC	
CPCPRC_JE	JE_ADMIN_CPCPRC	MW-141	12-Aug-92	100-41-4	ETHYLBENZENE	3.90E+01	=	UG/L	6.66E+03	C	
CPCPRC_JE	JE_ADMIN_CPCPRC	MW-147	17-Aug-92	67-64-1	ACETONE	1.80E+01	=	UG/L	1.81E+07	NC	

Table 12
Location Distances From the Buildings
CPC Puerto Rico Core Inc.

Area	Scenarios	Location	Approximate Distance, ft
AES	JE_ADMIN	GP-409	1450
AES	JE_ADMIN	MW-131	950
AES	JE_ADMIN	MW-162	1125
AES	JE_ADMIN	MW-163	1175
AES	JE_ADMIN	MW-164	1200
AES	JE_ADMIN	MW-165	775
AES	JE_COAL	GP-409	325
AES	JE_COAL	MW-131	800
AES	JE_COAL	MW-162	450
AES	JE_COAL	MW-163	575
AES	JE_COAL	MW-164	725
AES	JE_COAL	MW-165	900
CPCPRC_JE	JE_ADMIN_CPCPRC	MW-111	775

APPENDIX D

Dilution Calculations

APPENDIX D

Dilution Calculations

In Section 4.0, groundwater results in the Beach Area were directly compared to the marine AWQC. Because of the natural attenuation processes that would occur between the site and the Caribbean Sea, these measured concentrations would not be expected in the seawater itself. Natural attenuation processes that may affect the constituent concentrations include adsorption, degradation of the organic constituents, dispersion, and dilution. For this analysis, CPCPRC examined only the dilution effects when groundwater discharges to the sea and mixes with seawater. This analysis does not consider any natural attenuation that may occur in the groundwater system between the basins and the harbor.

CPCPRC used guidance from the Texas Commission on Environmental Quality (TCEQ), Regulatory Guidance-366/Texas Risk Reduction Program-24, December 2002, entitled "Determining PCLs for Surface Water and Sediment." Specifically, CPCPRC used the process and equations presented in Section 7.1.5.2 (Figure 7-5 and Table 7-3), "Use of Surface Water Data to Determine a Property-Specific Dilution Factor," of the guidance document. The specific pages from the guidance that pertain to the calculations below are attached.

D.1 Groundwater Flow Rate

The first step of the process is to calculate the volumetric flux of groundwater to the Caribbean Sea. Volumetric flux (Q_{gw} in gallons per minute) was calculated using the following equation:

$$Q_{gw} = KiA \times (7.483 \text{ gallon per } ft^3/1440 \text{ minutes per day}) \quad (1)$$

Where:

Q_{gw} = Volumetric flux of groundwater (gpm)
K = hydraulic conductivity (ft/day)
i = hydraulic gradient (ft/ft)
A = cross sectional area of discharge (square feet)

D.1.1 Hydraulic Conductivity

Using the average percentage of sand and clay in the aquifer in the Beach Area and the hydraulic conductivity values for sand (60 feet per day) and clay (1.4×10^{-3} feet per day), a bulk hydraulic conductivity for the aquifer in the area was calculated using the following equation:

$$K_{bulk} (\%sand) = (\%Sand/100)*K_{sand} + (100-\%Sand/100)*K_{clay} \quad (2)$$

This approach is consistent with the approach used in Section 2.0 (page 2-35) of the RFI Report (July 1999). The stratigraphic information used to define the percentage of sand and

clay in the aquifer in the Beach Area is presented in Table D-1. The boring logs for these wells are attached.

TABLE D-1
Stratigraphic Data

Well ID	% Sand	% Clay
GP-398	0	100
GP-414	5	95
GP-415	95	5
MW-45D[a]	75	25
Average % Sand and Clay	**43.8**	**56.2**

Note:
[a]Top 20 feet of the boring at MW-45D was used for these values.

The value for hydraulic conductivity based on the percentage of sand and clay shown in Table D-1 and the end values for hydraulic conductivity (K) would be 26.3 feet per day (ft/day).

Based on EPA comments on the Ballast Water Basin Closure Plan (March 2004), it was hypothesized that since some of the borings may not have completely penetrated the upper alluvial aquifer, there may be a higher percentage of sand than shown in the borings. The uncharacterized thickness of the aquifer was conservatively assumed to be sand and EPA suggested that 75 percent was a reasonable percentage sand value to use in the dilution calculation. As a result of the discussions with EPA on the Ballast Water Basin Closure Plan (March 2004), a value of 75 percent for the percentage sand was used in the calculation.

The value for hydraulic conductivity based on the percentage of sand of 75 percent and 25 percent clay and the end values for hydraulic conductivity (K) was 45 feet per day (ft/day). This value was used in the dilution calculation.

Next, the hydraulic gradient (i) in the area was determined. Hydraulic gradient was calculated as the average hydraulic head in the area based on the potentiometric surface presented in Figure 2-12 of the RFI Report (July 1999). Based on this map, a hydraulic gradient (i) of 0.0025 (ft/ft) was calculated (1.0 ft/400 ft).

Finally, the cross-sectional area of groundwater discharge to the Caribbean Sea was determined using the approach outlined in the guidance document. For this approach, the thickness of affected groundwater is needed. This value was considered to be 15 feet, which is the entire thickness of the upper alluvial aquifer in this area. The influent width (i.e., the width of the discharge zone) was assigned a value of 700 feet, which is the estimated total distance along the Beach where discharge may occur. Using these values, the cross-sectional area of discharge (A in square feet) to the sea was calculated as 10,500 square feet (15 ft x 700 ft).

Using the developed values and equation 1, a volumetric flux of groundwater (Q_{gw}) of 6.14 gpm was calculated.

D.1.2 Surface Water Flow Rate

The surface water volumetric flow (in gpm) was calculated using the following equation that was provided in the guidance document:

$$Q_{sw} = V_{sw} \times W_{sw} \times h_{sw} \times (7.483 \text{ gallon per } ft^3/1440 \text{ minutes per day}) \quad (3)$$

The average surface water velocity in the area of groundwater discharge (V_{sw}) was set to the default value provided in the guidance document for tidal waters which is equal to 1 cm/sec or 2,872 ft/day.

W_{sw}, which is the distance from the shore extending into the surface water body to a point where the surface water depth is equal to the total thickness of the affected groundwater is needed. For this analysis, the thickness of affected groundwater was considered to be the entire thickness of the aquifer in this area, or 15 feet. The distance from the shore where water is 15 feet deep was estimated as 15 feet. The guidance suggests a range of 5 to 50 feet for this parameter with the larger values being less conservative so, a value of 15 feet is on the conservative side of the suggested range.

Finally, the thickness of the surface water mixing area (h_{sw}) is needed. This parameter was set to the default value of 1.0 foot (30 cm) provided in the guidance.

Using equation 3 and stated values for the parameters, a surface water volumetric flow (Q_{sw}) of 224 gpm was calculated.

D.1.3 Dilution Factor

The dilution factor (DF) is calculated using the results above results and the following equation provided in the guidance document:

$$DF = Q_{gw}/(Q_{sw} + Q_{gw}) \quad (4)$$

Where:

Q_{gw} = 6.14 gpm

Q_{sw} = 224 gpm

Using equation 4 and the calculated volumetric flux values, a dilution factor (DF) of 0.027 (unitless) was calculated. This dilution factor is applied to groundwater concentrations at the Beach Area to represent the concentrations of the constituents in seawater. The comparisons are presented in Section 4.0, Site-Wide Ecological Risk Assessment.

Threatened and Endangered Species of Puerto Rico

U.S. Fish and Wildlife Service. Threatened and Endangered Species System (TESS). Listings by State and Territory, as of 5/15/2001

Notes:
Displays one record per species or population. Includes experimental populations and similarity of appearance listings. The range of a listed population does not extend beyond the states in which that population is defined. Includes non-nesting sea turtles and whales in State/Territory coastal waters. Includes species or populations under the sole jurisdiction of the National Marine Fisheries Service.

Puerto Rico -- 75 listings

Animals – 26

Status Listing

E Anole, Culebra Island giant (*Anolis roosevelti*)
E Blackbird, yellow-shouldered (*Agelaius xanthomus*)
T Boa, Mona (*Epicrates monensis monensis*)
E Boa, Puerto Rican (*Epicrates inornatus*)
E Boa, Virgin Islands tree (*Epicrates monensis granti*)
T Coqui, golden (*Eleutherodactylus jasperi*)
E Gecko, Monito (*Sphaerodactylus micropithecus*)
T Guajon (*Eleutherodactylus cooki*)
E Hawk, Puerto Rican broad-winged (*Buteo platypterus brunnescens*)
E Hawk, Puerto Rican sharp-shinned (*Accipiter striatus venator*)
T Iguana, Mona ground (*Cyclura stejnegeri*)
E Manatee, West Indian (*Trichechus manatus*)
E Nightjar, Puerto Rican (*Caprimulgus noctitherus*)
E Parrot, Puerto Rican (*Amazona vittata*)
E Pelican, brown (except U.S. Atlantic coast, FL, AL) (*Pelecanus occidentalis*)
E Pigeon, Puerto Rican plain (*Columba inornata wetmorei*)
T Plover, piping (except Great Lakes watershed) (*Charadrius melodus*)
T Sea turtle, green (except where endangered) (*Chelonia mydas*)
E Sea turtle, hawksbill (*Eretmochelys imbricata*)
E Sea turtle, leatherback (*Dermochelys coriacea*)
T Sea turtle, loggerhead (*Caretta caretta*)
E Seal, Caribbean monk (*Monachus tropicalis*)
T Tern, roseate (Western Hemisphere except NE U.S.) (*Sterna dougallii dougallii*)
T Toad, Puerto Rican crested (*Peltophryne lemur*)
E Whale, finback (*Balaenoptera physalus*)
E Whale, sperm (*Physeter catodon*)

Plants – 49

Status Listing

E *Adiantum vivesii* (No common name)
E *Aristida chaseae* (No common name)
E Pelos del diablo (*Aristida portoricensis*)
E *Auerodendron pauciflorum* (No common name)
E Palo de ramon (*Banara vanderbiltii*)
E Boxwood, Vahl's (*Buxus vahlii*)
E Capa rosa (*Callicarpa ampla*)
E *Calyptranthes thomasiana* (No common name)
T Manaca, palma de (*Calyptronoma rivalis*)
E *Catesbaea melanocarpa* (No common name)
E *Chamaecrista glandulosa mirabilis* (No common name)
E *Cordia bellonis* (No common name)
E Palo de nigua (*Cornutia obovata*)
E *Cranichis ricartii* (No common name)
E Higuero de sierra (*Crescentia portoricensis*)
E Fern, Elfin tree (*Cyathea dryopteroides*)
E *Daphnopsis hellerana* (No common name)
E *Elaphoglossum serpens* (No common name)
E Uvillo (*Eugenia haematocarpa*)
E *Eugenia woodburyana* (No common name)
T *Gesneria pauciflora* (No common name)
E Goetzea, beautiful (*Goetzea elegans*)
T Higo, chumbo (*Harrisia portoricensis*)
E Holly, Cook's (*Ilex cookii*)
E *Ilex sintenisii* (No common name)
E Walnut, West Indian or nogal (*Juglans jamaicensis*)
E *Lepanthes eltoroensis* (No common name)
E *Leptocereus grantianus* (No common name)
E *Lyonia truncata proctorii* (No common name)
E *Mitracarpus maxwelliae* (No common name)
E *Mitracarpus polycladus* (No common name)
E *Myrcia paganii* (No common name)
E Palo de rosa (*Ottoschulzia rhodoxylon*)
E Peperomia, Wheeler's (*Peperomia wheeleri*)
E Chupacallos (*Pleodendron macranthum*)
E *Polystichum calderonense* (No common name)
T *Schoepfia arenaria* (No common name)
E Erubia (*Solanum drymophilum*)
T Cobana negra (*Stahlia monosperma*)
E Palo de jazmin (*Styrax portoricensis*)
E *Tectaria estremerana* (No common name)
E Palo colorado (*Ternstroemia luquillensis*)
E *Ternstroemia subsessilis* (No common name)

E *Thelypteris inabonensis* (No common name)
E *Thelypteris verecunda* (No common name)
E *Thelypteris yaucoensis* (No common name)
E Bariaco (*Trichilia triacantha*)
E *Vernonia proctorii* (No common name)
E Prickly-ash, St. Thomas (*Zanthoxylum thomasianum*)
http://ecos.fws.gov/webpage/webpage_usa_lists.html

Summary of Birds Observed During Quantitative Transect Sampling at CPCPRC

Date	Area	Time		Common Name*	Activity
		Start	Stop		
08/04/91	Southeast lime pond	0806	0832	Gray kingbird (2)	On fence; also preening in trees alongside lime pond
				Killdeer (several)	Flyover pond; also alongside pond
				Great egret (2)	Landed in pond
				Least tern	Flyover; dove into pond several times
				Mockingbird	Flyover
				Greater Antillean grackle (3)	Flyover
				Rock dove (2)	Flyover
				Black-necked stilt	On pond bank
				Tricolored heron	Flyover
				Bannaquit	Calling in trees alongside pond
08/04/91	Southeast lime pond	0809	0844	Zenaida dove	Flyover
				Green-backed heron	Flyover
				Snowy egret	Visible at mangrove edge
				Cave swallows (6+)	Flycatching
				Gray kingbird	Audible/visible on fence and in shrubs
				Greater Antillean grackles	
				Killdeer	Along ditch
				Black-faced grassquit	Shrubs
				Mockingbird	Shrubs
				Black-necked stilt (2)	Flyover
				Rock doves	Foraging on ground
				Bananaquit (5-6)	Shrubs/trees
08/04/91	Along effluent channel at entrance to mangroves	0832	0855	Unidentified bird	Flyover
				Tern	Flyover effluent channel
				Killdeer	Landed on bank
				Dove	Flyover
				Bananaquit (several)	Calling in mangroves
				Green-backed heron	Perched on cattails in effluent channel
08/04/91	Mangroves (south of effluent channel)	0850	0937	Bananaquit (several)	Upper portions of mangroves

Date	Area	Time		Common Name*	Activity
		Start	Stop		
				Zenaida dove	Flyover; also roosting in branches and foraging on ground
				Yellow warbler (several)	
				Green-throated carib	
				Ground dove (several)	Ground
				Greater Antillean grackle	Top of mangrove
08/04/91	Along effluent channel at end of mangrove	0855	0910	Cattle egret and great egret	Feeding on top of effluent channel spoil
				Yellow warbler	Flyover
				Unidentified (several)	Flyover
				Gray kingbird (2)	Perched alongside effluent channel
				Ground dove (2)	On ground along effluent channel
				Bananaquit (several)	Calling in trees
				Common moorhen	In cattails in effluent channel
				Green-backed heron	Calling in cattails
				Greater Antillean grackle	Several flyovers
				Killdeer (3)	On ground along effluent channel
08/04/91	End of effluent channel at south fence line (facing south)	0911	0921	Zenaida dove	Preening in tree
				Greater Antillean grackle (2)	Perched
				Killdeer	Flyover into channel area
				Mockingbird	Flyover
08/04/91	Walk back up effluent channel	0925	0940	Smooth-billed ani	2 perched in trees preening; 4-5 observed in trees; many calling
08/04/91	Along fence line at southern boundary	0951	1035	Rock dove (4+)	
				Greater Antillean grackle	
				Killdeer	
				Green-backed heron (2)	Pond bank
				Black-necked stilt	Feeding at pond edge
				Cattle egret	
				Spotted sandpiper	
				Semipalmated sandpiper	
				Lesser yellowlegs	
				Least tern	
				Pied-billed grebe (2)	
08/04/91	Driving along ditches	1039	1101	Peep sandpiper	

Date	Area	Time		Common Name*	Activity
		Start	Stop		
				Killdeer	
				Ground dove	On pipes and on ground
				Greater Antillean grackle	
08/04/91	Las Mareas	1103	1110	Bananaquits	
08/04/91	Southwest area	1123	1138	Common moorhen (4 adults, 2 immatures)	Water
				Black-necked stilt	Marsh edge
				Black-faced grassquit	Shrubs
				Peep sandpipers (5)	
08/05/91	Southwest lime pit	0814	0902	Bananaquit (several)	
				Gray kingbird (several)	
				Mangrove cuckoo	
				Greater Antillean grackle	
				Ground dove	Ground and roosting in trees/shrubs
				Yellow warbler with shiny cowbird	Warbler feeding cowbird

Parentheses indicates approximate number of individuals observed.
Source: ESE, Preliminary Draft RFI 1991

ATTACHMENT A

Descriptions of Studies Used to Calculate NOAELs and LOAELs

Compound: Acetone

Form: Not applicable

Reference: Hill and Camardese, 1986

Test Species: Japanese quail
Body Weight: 0.15 kg (Vos et al., 1971)
Food Consumption: 11.9 g (from study)

Exposure Duration: acute – single dose followed by 14-day observation

Endpoint: mortality, overt signs of toxicity

Exposure Route: oral gavage

Dosage: doses ranged from 10,000 to 40,000 mg/kg

Calculations:

$$\left(\frac{40{,}000\ mg\ Acetone}{kg\ food} \ x \ \frac{12.2\ g\ food}{day} \ x \ \frac{1\ kg}{1{,}000\ mg} \right) / \ 0.15\ kg\ BW = 3171.3\ mg/kg/d$$

Comments: No mortality observed at any dose level. LC50 of >40,000 mg/kg is reported. No overt signs of toxicity at concentrations of 40,000 ppm. Because no signs of toxicity were observed at 40,000 ppm, this dose was considered to be an acute NOAEL.

Acute NOAEL: 3,171 mg/kg/d

Compound: Aromatic hydrocarbon (AH) mixture

Form: Aromatics – ethylbenzene, 1,2,3,4-tetrahydronaphthalene, dimethylnaphthalene, 2,3,3-trimethylindolenine, acenaphthylene, acenaphthene, phenanthrene, 2-methylbenzothiazole, dibenzothiophene, and 2,6-dimethylquinoline

Reference: Patton and Dieter, 1980

Test Species: Mallard
Body weight: 1.23 kg (mean from control group graph in study)
Food consumption: 100 g/d (Heinz et al., 1989)

Exposure Duration: 7 months (>10 weeks = chronic)

Endpoint: growth

Exposure Route: oral diet

Dosage: three dose groups (1% mixture in diet)
10,000-ppm paraffin mixture only,
9,600-ppm paraffin and 400-ppm AH, and
6,000-ppm paraffin and 4,000-ppm AH

Calculations:

$$NOAEL \ : \left(\frac{4{,}000\ mg\ AH\ Mix}{kg\ food} \times \frac{100\ g\ food}{day} \times \frac{1\ kg}{1{,}000\ g} \right) / 1.23\ kg\ BW = 325.2\ mg\ /\ kg\ /\ d$$

Comments: Because no adverse effects were reported for paraffin and aromatic hydrocarbon mixtures, and because no adverse effects were reported for the paraffin only dose, a dose of 4,000 ppm was considered to be a chronic NOAEL for the aromatic hydrocarbon mixture.
Final NOAEL: 325 mg/kg/d

Compound: Arsenic
Form: Sodium arsenate
Reference: Stanley et al., 1994
Test Species: Mallard
Body weight: 1 kg (Heinz et al., 1989)
Food consumption: 0.1 kg/d (Heinz et al., 1989)
Exposure Duration: 4 weeks prior to breeding, through nesting, incubation, and hatch, to 14-day post hatch (> 10 weeks and during critical lifestage=chronic)
Endpoint: reproduction
Exposure Route: oral in diet
Dosage: four dose levels (As concentrations measured in food)
0.26, 22, 93, and 403 mg/kg
Calculations:

$$\left(\frac{0.26\,mg\ As}{kg\ \ food} x \frac{100\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 1\,kg\ BW = 0.026\,mg/kg/d$$

$$\left(\frac{22\,mg\ As}{kg\ \ food} x \frac{100\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 1\,kg\ BW = 2.2\,mg/kg/d$$

$$\left(\frac{93\,mg\ As}{kg\ \ food} x \frac{100\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 1\,kg\ BW = 9.3\,mg/kg/d$$

$$\left(\frac{403\,mg\ As}{kg\ \ food} x \frac{100\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 1\,kg\ BW = 40.3\,mg/kg/d$$

Comments: Although As did not increase duckling mortality, As at 40.3 mg/kg/day significantly reduced duckling production. No reduction in duckling production or other adverse effects were observed at the other dose levels. Because the study considered exposure over 10 weeks and through reproduction, the 40.3-mg/kg/day dose was considered to be a chronic LOAEL.
Final NOAEL: 9.3 mg/kg/d
Final LOAEL: 40.3 mg/kg/d

Compound: Barium
Form: Barium hydroxide
Reference: Johnson et al., 1960
Test Species: 1-day-old chicks
Body weight: 0.121 kg (mean $\pm$ at 14 days; EPA, 1988)
Food consumption: 0.0126 kg/d (calculated using allometric equation from EPA, 1988)
Study Duration: 4 weeks (< 10 weeks = subchronic)
Endpoint: mortality
Exposure Route: oral in diet
Dosage: eight dose level:
250, 500, 1,000, 2,000, 4,000, 8,000, 16,000, and 32,000 ppm
Ba (as Barium Hydroxide)
NOAEL = 2,000 ppm

Calculations:

$$\left(\frac{2{,}000\,mg\,Ba}{kg\ \ food} x \frac{12.6\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.121\,kg\,BW = 208.26\,mg/kg/d$$

$$\left(\frac{4{,}000\,mg\,Ba}{kg\ \ food} x \frac{12.6\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.121\,kg\,BW = 416.53\,mg/kg/d$$

Comments: To estimate daily Ba intake throughout the 4-week study period, food consumption of 2-week-old chicks was calculated. While this value will over- and underestimate food consumption by younger and older chicks, it was assumed to approximate food consumption throughout the entire 4-week study. While Barium exposures up to 2,000 ppm produced no mortality, chicks in the 4,000- to 32,000-ppm groups experienced 5 percent to 100 percent mortality. Because 2,000 ppm was the highest nonlethal dose, this dose was considered to be a subchronic NOAEL. The 4,000-ppm dose was considered to be a subchronic LOAEL. Chronic NOAELs and LOAELs were estimated by multiplying the subchronic NOAELs and LOAELs by a subchronic to chronic uncertainty factor of 0.1.

Final NOAEL: 20.8 mg/kg/d
Final LOAEL: 41.7 mg/kg/d

Compound: Bis(2-ethylhexyl) phthalate (BEHP)
Form: Not applicable
Reference: Peakall, 1974
Test Species: Ringed dove
Body weight: 0.155 kg (Terres, 1980)
Food consumption: 0.0127 kg/d (calculated using allometric equation from Nagy, 1987)
Exposure Duration: 4 weeks (during critical lifestage = chronic)
Endpoint: reproduction
Exposure Route: oral diet
Dosage: one dose level:
NOAEL = 10 ppm
Calculations:

$$NOAEL\ : \left(\frac{10\,mg\,BEHP}{kg\ \ food} \times \frac{17.27\,g\ \ food}{day} \times \frac{1\,kg}{1{,}000\,g}\right) / 0.155\,kg\,BW = 1.11\,mg/kg/d$$

Comments: No significant reproductive effects were observed among doves on diets containing 10-ppm bis(2-ethylhexyl)phthalate, and the study considered exposure over 4 weeks and during a critical lifestage. Therefore, the 10-ppm dose was considered to be a chronic NOAEL.
Final NOAEL: 1.1 mg/kg/d

Compound: Cadmium
Form: Cd SO_4 +8H_2O
Reference: Leach et al., 1979
Test Species: White leghorn chickens
Body weight: 1.55 kg (from EPA, 1988)
Food Consumption: 0.077 kg/d (from study)
Study Duration: 1 year and during a critical lifestage = chronic
Endpoint: reproduction
Exposure Route: oral in diet
Dosage: four-dose level:
0.22, 3.22, 12.22, and 48.22-mg/kg Cd
Calculations:

$$\left(\frac{0.22\ mg\ Cd}{kg\ \ food} x \frac{0.077\ kg\ \ food}{day}\right) / 1.55\ kg\ BW = 0.011\ mg/kg/d$$

$$\left(\frac{3.22\ mg\ Cd}{kg\ \ food} x \frac{0.077\ kg\ \ food}{day}\right) / 1.55\ kg\ BW = 0.16\ mg/kg/d$$

$$\left(\frac{12.22\ mg\ Cd}{kg\ \ food} x \frac{0.077\ kg\ \ food}{day}\right) / 1.55\ kg\ BW = 0.61\ mg/kg/d$$

$$\left(\frac{48.22\ mg\ Cd}{kg\ \ food} x \frac{0.077\ kg\ \ food}{day}\right) / 1.55\ kg\ BW = 2.4\ mg/kg/d$$

Comments: Although egg weight and eggshell thickness was not affected by any diet, egg production was significantly reduced by among hens consuming diets containing 12-and 48-mg/kg Cd. Because the study considered exposure over 1 year, the 3.22-mg/kg Cd diet was considered to be a chronic NOAEL and the 12.22 mg/kg diet was considered to be a chronic LOAEL.
Final NOAEL: 0.16 mg/kg/d
Final LOAEL: 0.61 mg/kg/d

Compound: Chromium
Form: Cr^{+3} as $CrK(SO_4)_2$
Reference: Haseltine et al., 1985
Test Species: Black duck
Body weight: 1.25 kg ($mean_{male+female}$; Dunning, 1993)
Food consumption: Congeneric Mallard ducks, weighing 1 kg consume 100 g food/d (Heinz et al., 1989). Therefore, it was assumed that a 1.25-kg black duck would consume 125 g food/d.
Study Duration: 10 months (>10 weeks and during a critical lifestage = chronic)
Endpoint: reproduction
Exposure Route: oral in diet
Dosage: two-dose levels:
10- and 50-ppm Cr^{+3} in diet; NOAEL = 10 ppm

$$NOAEL = \left(\frac{10\ mg\ Cr^{+3}}{kg\ \ food} x \frac{125\ g\ \ food}{day} x \frac{1\ kg}{1{,}000\ g}\right) / 1.25\ kg\ BW = 1\ mg\ /\ kg\ /\ d$$

$$LOAEL = \left(\frac{50\ mg\ Cr^{+3}}{kg\ \ food} x \frac{125\ g\ \ food}{day} x \frac{1\ kg}{1{,}000\ g}\right) / 1.25\ kg\ BW = 5\ mg\ /\ kg\ /\ d$$

Comments: While duckling survival was reduced at the 50-ppm dose level, no significant differences were observed at the 10-ppm Cr^{+3} dose level. Because the study considered exposure throughout a critical lifestage (reproduction), the dose 50-ppm dose was considered to be a chronic LOAEL and the dose 10-ppm dose was considered to be a chronic NOAEL.
Final NOAEL: 1 mg/kg/d
Final LOAEL: 5 mg/kg/d

Compound: Copper
Form: Copper oxide
Reference: Mehring et al., 1960
Test Species: 1-day-old chicks
Body weight: 0.534 kg ($mean_{male+female}$ at 5 weeks; EPA, 1988) Food consumption: 0.044 kg/d (calculated using allometric equation from EPA, 1988)

Exposure Duration: 10 weeks (10 weeks = chronic).
Endpoint: growth, mortality
Exposure Route: oral in diet
Dosage: 12-dose levels:
26, 36.8, 52.0, 73.5, 104.0, 147.1, 208.0, 294.1, 403, 570, 749, and 1,180 ppm total Cu; NOAEL = 570-ppm total Cu

Calculations:

$$\left(\frac{26\,mg\,Cu}{kg\ \ food} x \frac{44\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.534\,kg\ BW = 2.14\,mg / kg / d$$

$$\left(\frac{36.8\,mg\,Cu}{kg\ \ food} x \frac{44\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.534\,kg\ BW = 3.03\,mg / kg / d$$

$$\left(\frac{52\,mg\,Cu}{kg\ \ food} x \frac{44\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.534\,kg\ BW = 4.28\,mg/kg/d$$

$$\left(\frac{73.5\,mg\,Cu}{kg\ \ food} x \frac{44\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.534\,kg\ BW = 6.06\,mg/kg/d$$

$$\left(\frac{147.1\,mg\,Cu}{kg\ \ food} x \frac{44\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.534\,kg\ BW = 12.12\,mg / kg / d$$

$$\left(\frac{208\,mg\,Cu}{kg\ \ food} x \frac{44\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.534\,kg\ BW = 17.14\,mg / kg / d$$

$$\left(\frac{294.1\,mg\,Cu}{kg\ \ food} x \frac{44\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.534\,kg\ BW = 24.23\,mg / kg / d$$

$$\left(\frac{403\,mg\,Cu}{kg\ \ food} x \frac{44\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.534\,kg\ BW = 33.21\,mg / kg / d$$

$$\left(\frac{570\,mg\,Cu}{kg\ \ food} x \frac{44\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.534\,kg\ BW = 46.97\,mg / kg / d$$

$$\left(\frac{749\,mg\,Cu}{kg\ \ food} x \frac{44\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.534\,kg\ BW = 61.7\,mg / kg / d$$

$$\left(\frac{1180\,mg\,Cu}{kg\ \ food} x \frac{44\,g\ \ food}{day} x \frac{1\,kg}{1{,}000\,g}\right) / 0.534\,kg\ BW = 97.22\,mg / kg / d$$

Comments: While consumption of Cu up to 570 ppm had no effect of growth of chicks, 749-ppm Cu in the diet reduced growth by over 30 percent and produced 15 percent mortality. Because this study was 10 weeks in duration, the 570- and 749-ppm Cu doses were considered to be a chronic NOAEL and LOAEL, respectively. To estimate daily Cu intake throughout the 10-week study period, food consumption of 5-week-old chicks was calculated. While this value will over- and underestimate food consumption by younger and older chicks, it was assumed to approximate food consumption throughout the entire 10-week study.
Final NOAEL: 47 mg/kg/d
Final LOAEL: 61.7 mg/kg/d

Compound: 1,2-Dichloroethane
Form: Not applicable
Reference: Alumot et al., 1976
Test Species: Chicken
Body weight: 1.6 kg ($mean_{male+female}$ from study)
Food consumption: 0.11 kg/d (calculated using allometric equation from EPA, 1988)
Study Duration: 2 years (>10 weeks and during a critical lifestage = chronic)
Endpoint: reproduction
Exposure Route: oral in diet
Dosage: two dose levels:
250 and 500 ppm; NOAEL = 250 ppm

$$NOAEL = \left(\frac{250\,mg\,1{,}2-Dichloroethane}{kg\ food} x \frac{110\,g\ food}{day} x \frac{1\,kg}{1{,}000\,g} \right) / 1.6\,kg\ BW = 17.2\,mg/kg/d$$

$$LOAEL = \left(\frac{500\,mg\,1{,}2-Dichloroethane}{kg\ food} x \frac{110\,g\ food}{day} x \frac{1\,kg}{1{,}000\,g} \right) / 1.6\,kg\ BW = 34.4\,mg/kg/d$$

Comments: While egg production was reduced at the 500-ppm dose level, no significant differences were observed at the 250-ppm dose level. Because the study considered exposure throughout 2 years including critical lifestages (reproduction), these doses were considered to be chronic NOAELs and LOAELs.
Final NOAEL: 17.2 mg/kg/d
Final LOAEL: 34.4 mg/kg/d

Compound: Di-n-butyl Phthalate (DBP)
Form: Not applicable
Reference: Peakall, 1974
Test Species: Ringed dove
Body weight: 0.155 kg (Terres, 1980)
Food consumption: 0.0127 kg/d (calculated using allometric equation from Nagy, 1987)
Exposure Duration: 4 weeks (during critical lifestage = chronic)
Endpoint: reproduction
Exposure Route: oral diet
Dosage: one dose level:
LOAEL = 10 ppm

Calculations:

$$LOAEL: \left(\frac{10\,mg\,DBP}{kg\ food} \times \frac{17.27\,g\ food}{day} \times \frac{1\,kg}{1{,}000\,g} \right) / 0.155\,kg\,BW = 1.11\,mg/kg/d$$

Comments: Eggshell thickness and water permeability of the shell were reduced among doves on diets containing 10-ppm DBP. Because the study considered exposure during a critical lifestage, the 10-ppm dose was considered to be a chronic LOAEL. A chronic NOAEL was estimated by multiplying the chronic LOAEL by a LOAEL-NOAEL uncertainty factor of 0.1.
Final NOAEL: 0.11 mg/kg/d
Final LOAEL: 1.1 mg/kg/d

Compound: Hexachlorobenzene (BHC mixed isomers)
Form: Not applicable
Reference: Vos et al., 1971
Test Species: Japanese quail
Body weight: 0.150 kg (from study)
Food Consumption: 0.0169 kg/d (calculated using allometric equation from Nagy, 1987)
Study Duration: 90 days (during a critical lifestage = chronic)
Endpoint: reproduction, egg volume
Exposure Route: oral in diet
Dosage: seven dose levels:
1, 5, 20, and 80 ppm; NOAEL = 5 ppm
Calculations: NA
Comments: Consumption of 20-ppm and 80-ppm BHC in the diet reduced egg hatchability and egg volume. Because no significant effects were observed in groups consuming 1- or 5-ppm BHC in their diet and the study considered exposure throughout a critical lifestage (reproduction), the 5-ppm dose was considered to be a chronic NOAEL. The 20-ppm dose was considered to be a chronic LOAEL.
Final NOAEL: 0.56 mg/kg/d
Final LOAEL: 2.25 mg/kg/d

Compound: Lead
Form: Metallic
Reference: Pattee, 1984
Test Species: American kestrels
Body weight: 0.130 kg (mean$_{+}$; from study)
Food consumption: Kenaga (1973) states that the congeneric European kestrel consumes 7.7 percent of body weight/day. Therefore, food consumption was assumed to be 0.077 x 0.130 kg or 0.01 kg/d.
Study Duration: 7 months (>10 weeks and during a critical lifestage = chronic)
Endpoint: reproduction
Exposure Route: oral in diet
Dosage: two dose levels:
10- and 50-ppm Pb; NOAEL = 50-ppm Pb
Calculations:

$$\left(\frac{50\,mg\,Pb}{kg\ food} x \frac{0.01\,kg\ food}{day} \right) / 0.130\,kg\,BW = 3.85\,mg/kg/d$$

Comments: Because significant effects were not observed at either dose levels and the study considered exposure over 7 months and throughout a critical lifestage (reproduction), the maximum dose was considered to be a chronic NOAEL.

Final NOAEL: 3.85 mg/kg/d

Compound: Lead
Form: METALLIC lead
Reference: Hoffman et al., 1985
Test Species: American kestrel
Body weight: 0.08 kg (at 10 days; from study)
Study Duration: 10 days (subacute)
Endpoint: growth and survival
Exposure Route: oral intubation
Dosage: four dose levels:
0, 25, 125, and 625 mg/kg/d
Calculations: not applicable
Comments: While survival was reduced by 40 percent and growth was significantly reduced at the 625-mg/kg/day dose, no adverse effects were observed at the other dose levels. Therefore, the 125- and 625-mg/kg/day doses were considered to be subacute LOAELs and NOAELs.
subacute NOAEL: 125 mg/kg/d
subacute LOAEL: 625 mg/kg/d

Compound: Manganese
Form: Manganese oxide (Mn_3O_4)
Reference: Laskey and Edens, 1985
Test Species: Japanese quail (males only, starting at 1-day old)
Body weight: 0.072 kg (for 3-week-old male quail; Shellenberger, 1978)
Study Duration: 75 days (>10 weeks = chronic)
Endpoint: growth, aggressive behavior
Exposure Route: oral in diet
Dosage: one dose level:
5,000-ppm supplemented Mn + 56-ppm Mn in base diet = NOAEL
Calculations: NA
Comments: While no reduction in growth was observed, aggressive behavior was 25 percent to 50 percent reduced relative to controls. Daily Mn consumption was reported to range from 575 mg/kg/day for adults at the end of the study and 977 mg/kg/day for 20-day-old birds. Because the study was >10 weeks in duration, the 977-mg/kg/day dose was considered to be a chronic NOAEL based on a growth endpoint and a chronic LOAEL based on a behavior endpoint. A chronic behavior NOAEL was estimated by applying an LOAEL-NOAEL UF of 0.1
Final $NOAEL_{growth}$: 977 mg/kg/d
Final $NOAEL_{behavior}$: 98 mg/kg/d
Final $LOAEL_{behavior}$: 977 mg/kg/d

Compound: Mercury
Form: Methyl mercury chloride/dicyandiamide
Reference: Heinz, 1996; and Heinz and Hoffman, 1998
Test Species: Mallard
Body weight: 1 kg (Heinz et al., 1987)
Food consumption: 0.128 kg/d (from Heinz, 1979)
Exposure Duration: 2 generations (lowest doses), 2.5 months (highest dose)
(during a critical lifestage = chronic).
Endpoint: reproduction
Exposure Route: oral in diet
Dosage: four dose levels:
0, 0.53, 2.88, and 9.2-ppm Hg
Calculations:

$$\left(\frac{0.53\,mg\,Hg}{kg\ food}\times\frac{0.128\,kg\ food}{day}\right)/1kg\,BW=0.068\ mg/kg/d$$

$$\left(\frac{2.88\,mg\,Hg}{kg\ food}\times\frac{0.128\,kg\ food}{day}\right)/1kg\,BW=0.37\ mg/kg/d$$

$$\left(\frac{9.2\,mg\,Hg}{kg\ food}\times\frac{0.128\,kg\ food}{day}\right)/1kg\,BW=1.18\ mg/kg/d$$

Comments: Although duckling survival at 7 days was significantly reduced at the two highest dose levels, no significant difference was observed at the 0.068-mg/kg/day dose. Because exposure occurred during reproduction, the 0.37-mg/kg/day dose was considered to be a chronic LOAEL.
Final NOAEL: 0.068 mg/kg/d
Final LOAEL: 0.37 mg/kg/d

Compound: Naphthalene
Form: Not applicable
Reference: Wildlife International, 1985
Test Species: Bobwhite quail
Body weight: 198.4 g (mean of control group from study)
Exposure Duration: Acute – single dose followed by 14-day observation
Endpoint: Mortality
Exposure Route: Oral gavage
Dosage: Six dose levels: 0, 292, 486, 810, 1,350, and 2,250 mg/kg
Calculations: Not applicable
Comments: Overt signs of toxicity were observed at 486-mg/kg dose and above. LD50 for naphthalene in bobwhite was determined to be 2,690 mg/kg (95 percent CI=1,571-57,063 mg/kg). A chronic NOAEL and LOAEL were estimated by applying uncertainty factors of 0.001 and 0.1, respectively.
Final LD50: 2,690 mg/kg
Final NOAEL: 2.69 mg/kg/d
Final LOAEL: 269 mg/kg/d

Compound: Nickel
Form: Nickel sulfate
Reference: Cain and Pafford, 1981
Test Species: Mallard duckling
Body weight: 0.782 kg ($mean_{control\ male+female}$ at 28 and 60 days; from study)
Food consumption: Adult Mallard ducks weighing 1 kg consume 100 g food/d (Heinz et al., 1989). Therefore, it was assumed that a 0.782-kg mallard duckling would consume 78.2-g food/d.
Study Duration: 90 day (>10 weeks = chronic)
Endpoint: mortality, growth, behavior
Exposure Route: oral in diet
Dosage: three dose levels:
176, 774, and 1,069-ppm Ni;
NOAEL = 176 ppm

Calculations:

$$NOAEL: \left(\frac{176\,mg\,Ni}{kg\ food} \times \frac{78.2\,g\ food}{day} \times \frac{1\,kg}{1{,}000\,g} \right) / 0.782\,kg\,BW = 17.6\,mg/kg/d$$

$$LOAEL: \left(\frac{774\,mg\,Ni}{kg\ food} \times \frac{78.2\,g\ food}{day} \times \frac{1\,kg}{1{,}000\,g} \right) / 0.782\,kg\,BW = 77.4\,mg/kg/d$$

Comments: While consumption of up to 774-ppm Ni in diet resulted in a significant increase in tremors and joint edema, 176 ppm did not. Because the study considered exposure over 90 days, the 176-ppm dose was considered to be a chronic NOAEL and the 774-ppm dose was considered to be a chronic LOAEL. To estimate daily Ni intake throughout the 90-day study period, food consumption of 45-day-old ducklings was calculated. While this value will over- and underestimate food consumption by younger and older ducklings, it was assumed to approximate food consumption throughout the entire 90-day study.

Final NOAEL: 17.6 mg/kg/d
Final LOAEL: 77.4 mg/kg/d

Compound: Selenium
Form: Selanomethionine
Reference: Heinz et al., 1989
Test Species: Mallard
Body weight: 1 kg (from study)
Food consumption: 100 g/day (from study)
Study Duration: 100 days (>10 weeks and during critical lifestage=chronic)
Endpoint: reproduction
Exposure Route: oral in diet
Dosage: five dose levels:
1, 2, 4, 8, and 16-ppm Se; 4 ppm = NOAEL
Calculations:

$$\left(\frac{4\,mg\,Se}{kg\ food} x \frac{100\,g\ food}{day} x \frac{1\,kg}{1{,}000\,g} \right) / 1\,kg\,BW = 0.4\,mg/kg/d$$

$$\left(\frac{8\,mg\,Se}{kg\ food} x \frac{100\,g\ food}{day} x \frac{1\,kg}{1{,}000\,g} \right) / 1\,kg\,BW = 0.8\,mg/kg/d$$

Comments: Consumption of 8- or 16-ppm Se in the diet as Selanomethionine resulted in a reduced duckling survival as compared to the 1, 2, or 4-ppm Se exposures. Because 4-ppm Se in the diet was the highest dose level that produced no adverse effects and the study considered exposure through reproduction, this dose was considered to be a chronic NOAEL. The 8-ppm Se dose was considered to be a chronic LOAEL

Final NOAEL: 0.4 mg/kg/d
Final LOAEL: 0.8 mg/kg/d

Compound: Tin
Form: bis (Tributyltin) oxide (TBTO)
Reference: Schlatterer et al., (1993)
Test Species: Japanese quail
Body weight: 0.15 kg (Vos et al., 1971)

Food consumption: 0.0169 kg/d (calculated using allometric equation of Nagy, 1987)

Study Duration: 6 weeks (during a reproduction = chronic)
Endpoint: reproduction
Exposure Route: oral in diet
Dosage: four dose levels: 24, 60, 150, and 375 mg/kg in diet;
NOAEL= 60 mg/kg
Calculations: NA
Comments: While egg weight and hatchability were reduced among quail consuming diets containing 150-mg TBTO/kg, no consistent adverse effects were observed among the 60-mg/kg groups. Because the study considered exposure during reproduction, the 60- and 150-mg/kg dose levels were considered to be chronic NOAELs and LOAELs respectively.
Final NOAEL: 6.8 mg/kg/d
Final LOAEL: 16.9 mg/kg/d

Compound: Vanadium
Form: Vanadyl sulfate
Reference: White and Dieter, 1978
Test Species: Mallard
Body weight: 1.17 kg (from study)
Food consumption: 0.121 kg/d (from study)
Exposure Duration: 12 weeks (>10 weeks = chronic)
Endpoint: mortality, body weight, blood chemistry
Exposure Route: oral diet
Dosage: three dose levels:
2.84, 10.36, and 110-ppm V in food
NOAEL = 110 ppm
Calculations:

$$NOAEL\ :\left(\frac{110\,mg\,V}{kg\ \ food}\times\frac{121\,g\ \ food}{day}\times\frac{1\,kg}{1{,}000\,g}\right)/1.17\,kg\ BW=11.38\,mg/kg/d$$

Comments: No effects observed at any dose level. Because this study was greater than 10 weeks in duration and did not consider a critical lifestage (i.e., reproduction), the maximum dose was considered to be a chronic NOAEL.
Final NOAEL: 11.4 mg/kg/d

Compound: Xylenes
Form: Mixed isomers
Reference: Hill and Camardese, 1986
Test Species: Japanese Quail
Body Weight: 0.15 kg (Vos et al., 1971)
Food Consumption: 12.2 g (from study)
Exposure Duration: acute – single dose followed by 14-day observation
Endpoint: mortality, overt signs of toxicity
Exposure Route: oral gavage
Dosage: doses ranged from 5,000 to 20,000 mg/kg
Calculations:

$$\left(\frac{5{,}000\,mg\ \ Xylenes}{kg\ \ food}\ x\ \frac{12.2\,g\ \ food}{day}\ x\ \frac{1\,kg}{1{,}000\,mg}\right)/\ 0.15\,kg\ \ BW\ =\ 406.7\,mg/kg/d$$

Comments: No mortality observed at any dose level. LC50 of >20,000 mg/kg is reported. No overt signs of toxicity at concentrations of 5,000 ppm. Because no signs of toxicity were observed at 5,000 ppm, this dose was considered to be an acute NOAEL.
Acute NOAEL: 407 mg/kg/d

Compound: Zinc
Form: Zinc sulfate
Reference: Stahl et al., 1990
Test Species: White leghorn hens
Body Weight: 1.935 kg (228-ppm dose; from study)
1.766 kg (2,028-ppm dose; from study)
Food consumption: 123 g/day (228-ppm dose; from study)
0.114 (2,028-ppm dose; from study)
Exposure Duration: 44 weeks (>10 weeks and during critical lifestage=chronic)
Endpoint: reproduction
Exposure Route: oral in diet
Dosage: four dose levels:
0, 20, 200, and 2,000-ppm supplemental Zn plus 28-ppm Zn in diet.
Calculations:

$$\left(\frac{28\ mg\ Zn}{kg\ \ food} x \frac{125\ g\ \ food}{day} x \frac{1\ kg}{1{,}000\ mg}\right) / 1.900\ kg\ BW = 1.84\ mg/kg/d$$

$$\left(\frac{48\ mg\ Zn}{kg\ \ food} x \frac{127\ g\ \ food}{day} x \frac{1\ kg}{1{,}000\ mg}\right) / 1.963\ kg\ BW = 3.11\ mg/kg/d$$

$$\left(\frac{228\ mg\ Zn}{kg\ \ food} x \frac{123\ g\ \ food}{day} x \frac{1\ kg}{1{,}000\ mg}\right) / 1.935\ kg\ BW = 14.49\ mg/kg/d$$

$$\left(\frac{2028\ mg\ Zn}{kg\ \ food} x \frac{114\ g\ \ food}{day} x \frac{1\ kg}{1{,}000\ mg}\right) / 1.766\ kg\ BW = 130.9\ mg/kg/d$$

Comments: While no adverse effects were observed among hens consuming 48- and 228-ppm Zn, egg hatchability was <20 percent of controls among hens consuming 2,028-ppm zinc. Because the study was greater than 10 weeks in duration and considered exposure during reproduction, the 228-ppm dose was considered a chronic NOAEL and the 2,028-ppm dose was considered a chronic LOAEL.
Final NOAEL: 14.5 mg/kg/d
Final LOAEL: 131 mg/kg/d