ECF-200IA1-20-0092
Revision 0

200-IA-1 Operable Unit Human Health Risk and Kd Screen

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract 89303320DEM000030

P.O. Box 1464
Richland, Washington 99352

Approved for Public Release;
Further Dissemination Unlimited

200-IA-1 Operable Unit Human Health Risk and Kd Screen

Document Type: ECF Program/Project: EPSP

M. Rahman
INTERA, Inc.

Date Published
February 2021

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract 89303320DEM000030

P.O. Box 1464
Richland, Washington 99352

APPROVED
By Sarah Harrison at 12:53 pm, Feb 18, 2021

Release Approval Date

Approved for Public Release;
Further Dissemination Unlimited

TRADEMARK DISCLAIMER

Reference herein to any specific commercial product, process, or service by tradename, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

This report has been reproduced from the best available copy.

Printed in the United States of America

ENVIRONMENTAL CALCULATION COVER PAGE

SECTION 1 - Completed by the Responsible Manager

Project:
200-IA-1

RELEASE / ISSUE

Date: 10/21/2020

DATE:
Feb 18, 2021
HANFORD RELEASE

Calculation Title and Description:
200-IA-1 Operable Unit Human Health Risk and Kd Screen

Qualifications Summary

Preparer(s):

Name: Mahmud Rahman

Degree, Major, Institution, Year: PhD, Environmental Science, Oklahoma State University, 2000
MS, Environmental Science, Oklahoma state University, 1997
BS, Mechanical Engineering, Bangladesh University of Engineering and Technology, 1992

Professional Licenses:

Brief Narrative of Experience: Mahmudur Rahman's professional experience has focused on managing numerous soil and groundwater remedial action program projects. His project work has encompassed performing both radiological and chemical baseline human health risk assessments and screening level ecological risk assessments, data review and validation, statistical data analysis and database management, evaluating site characterization results, deriving cleanup criteria for radiological and chemical contaminants, and determining media-specific background concentrations. Mahmudur's experience also includes estimating environmental cost analysis, conducting air quality analyses, and developing remedial action planning documents including federally approved quality assurance plans, baseline risk assessment work plans, remedial investigation and feasibility study plans, and remedial action work plans. In addition to his planning documentation expertise, Mahmudur's experience also includes development of reports that document remedial action project results including ISO 9001 and NQA-01 approved documents, engineering evaluation and cost analysis, decommissioning plans, five-year reviews, record of decision documents, annual monitoring reports for groundwater, surface water and sediment monitoring reports for storm water and treated wastewater, final status survey plans, post-remedial action reports, and site closeout reports consistent with EPA and NRC requirements along with other regulatory programs.

ENVIRONMENTAL CALCULATION COVER PAGE (Continued)

Checker(s):

Name: Kimberly Ralston-Hooper

Degree, Major, Institution, Year:
PhD, Forestry and Natural Resources (Aquatic Toxicology Emphasis), Purdue University, 2009
MS, Agronomy, Purdue University, 2002
BA, Chemistry, Hanover College, 1995

Professional Licenses:

Brief Narrative of Experience: Dr. Ralston-Hooper is an ecotoxicologist with over 7 years of experience in the field of environmental risk assessment. Kimberly has extensive knowledge in the areas of exposure and dose assessment, statistical data analysis, developing novel approaches in determination of toxicological effects in aquatic and terrestrial species, predictive toxicology, and experimental design. She also has experience with RESRAD biota in determining radiological effects in ecologically relevant species.

Name: Corey Brumbaugh

Degree, Major, Institution, Year:
MS, Biology, Central Washington University, 2018
BS, Biology, Central Washington University, 2015
Associate of Arts, Columbia Basin College, 2012

Professional Licenses:

Brief Narrative of Experience: Corey Brumbaugh is an environmental toxicologist. Mr. Brumbaugh's work includes small mammal, amphibian and reptile research and surveys. He currently is a team member in our risk assessment group for INTERA focused on supporting the Hanford nuclear Comprehesive Environmental Response, Compensation, and Liability Act (CERCLA) site cleanup. His technical expertise includes predictive population modeling, assessing chemical- and site-specific toxicity, mobility, and bioavailability for the assessment of risk and in developing site-specific remediation levels.

ENVIRONMENTAL CALCULATION COVER PAGE (Continued)

Senior Reviewer(s):

Name: Sue Robinson

Degree, Major, Institution, Year: MS, Environmental Toxicology, Western Washington University, 1985
BS, Marine Biology, Western Washington University, 1982

Professional Licenses:

Brief Narrative of Experience: Sue Robinson is an environmental risk assessment professional with expertise in ecological/human toxicology consulting, project and team management, staff development and mentoring, business development, and client service. Her experience encompasses a wide variety of environmental regulatory programs (e.g., CERCLA remedial investigations/feasibility studies, RCRA facility investigations, FIFRA, state programs to address contaminated sites) involving activities that include exposure assessments, in situ toxicity studies, design and execution of field data collection and environmental monitoring programs, pathology studies, and environmental impact assessment. Sue's high level of expertise has been used to provide technical support on litigation projects and she is adept at preparing clear and concise reports that are understandable by both technical and non-technical audiences. She is currently conducting biomobilization and biointrusion evaluations and other ecological and human risk assessments in support of the environmental restoration activities at the U.S. Department of Energy's Hanford Site.

SECTION 2 - Completed by Preparer

Calculation Number: ECF-200IA1-20-0092 | Revision Number: 0

Revision History

Revision No.	Description	Date	Affected Pages
0	Initial issue.	01/06/2020	All

SECTION 3 - Completed by the Responsible Manager

Document Control:

Is the document intended to be controlled within the Document Management Control System (DMCS)? (●) Yes ( ) No

Does document contain scientific and technical information intended for public use? (●) Yes ( ) No

Does document contain controlled-use information? ( ) Yes (●) No

SECTION 4 - Document Review and Approval

Preparer(s):

Print First and Last Name	Position	Signature	Date
Mahmud Rahman	Sr. Risk Assessor	Per Electronic Approval (attached)	02/14/2021

Checker(s):

Print First and Last Name	Position	Signature	Date
Kim Ralston-Hooper	Sr. Ecotoxicologist	Per Electronic Approval (attached)	02/14/2021
Corey Brumbaugh	Ecotoxicologist	Per Electronic Approval (attached)	02/15/2021

Senior Reviewer(s):

Print First and Last Name	Position	Signature	Date
Sue Robinson	Pr. Ecotoxicologist	Per Electronic Approval (attached)	02/14/2021

ENVIRONMENTAL CALCULATION COVER PAGE (Continued)

Responsible Manager(s):

Dave Becker	Project Manager	Per Electronic Approval (attached)	02/14/2021
Print First and Last Name	*Position*	*Signature*	*Date*

SECTION 5 - Applicable if Calculation is a Risk Assessment or Uses an Environmental Model

Prior to Initiating Modeling:

Required training for modelers completed:
Integration Lead:

William Nichols	Per Electronic Approval (attached)	02/14/2021
Print First and Last Name	*Signature*	*Date*

Safety Software Approved:
Integration Lead:

William Nichols	Per Electronic Approval (attached)	02/14/2021
Print First and Last Name	*Signature*	*Date*

Calculation Approved:
Risk/Modeling Integration Manager:

Alaa Aly	Per Electronic Approval (attached)	02/14/2021
Print First and Last Name	*Signature*	*Date*

1 Purpose

The purpose of this environmental calculation file (ECF) is to provide the following:

- Document the data processing and data reduction steps taken to prepare the 200-IA-1 Operable Unit (OU) data set that will be used to calculate sample-specific screening level human health risk evaluation.
- Document the data processing and data reduction steps taken to prepare the 200-IA-1 OU data set that will be used to identify analytes that could potentially impact groundwater in the future beneath the 200-IA-1 OU representative waste sites.
- Document the assumptions, equations, and methodologies used to calculate the screening level human health cancer risks and noncancer hazards for each representative waste site assigned to the 200-IA-1 OU

Individual measured soil concentrations from the 0 to 4.6 m (15 ft) below ground surface (bgs) (shallow vadose zone) are used to calculate the total excess lifetime cancer risk (ELCR) and hazard index (HI) for the outdoor worker scenario to determine if there is a basis for remedial action.

Individual measured soil concentrations from the ground surface to the groundwater table are used for the distribution coefficient (Kd) screen to identify analytes that could potentially impact groundwater in the future beneath the 200-IA-1 OU representative waste sites.

This ECF supports DOE/RL-2020-51, *200-IA-1 OU Focused Feasibility Study*, under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA). A risk characterization based upon the evaluation of the health risk estimates developed in this ECF will be presented in the focused feasibility study report.

2 Background

The following describes the development of the 200-IA-1 OU and selection of representative waste sites, points of compliance, carcinogenic effects, noncarcinogenic effects, and the Kd screen.

The U.S. Department of Energy (DOE), Washington State Department of Ecology (Ecology), and the U.S. Environmental Protection Agency (EPA), formed the Representative Analogous Site Coordinating Agency Liaison (RASCAL) Team in September of 2019 to define an expedited process focusing on 200-EA-1, 200-WA-1, and 200-BC-1 OUs within the Hanford Central Plateau with the goal of implementing early remedial actions, accelerating clean-up decisions, ensuring consistent remedies for similar waste sites, reducing characterization pre-Record of Decision (ROD), and conducting focused confirmatory characterization post-ROD. Part of this process was the creation of the 200-IA-1 OU, a new Inner Area OU co-regulated by EPA and Ecology (Hanford Federal Facility Agreement and Consent Order Interagency Management Integration Team (IAMIT) Determination Number: 2020-006, IAMIT Determination 2020-006, RASCAL Recommendations for Expediting Remedial Cleanup on the Hanford Central Plateau).

The fundamental assertion of the expedited process is the “representative and analogous waste site approach”. Its premise is that waste sites with analogous conceptual site models (CSM) are likely to have similar response actions. Characterization information from a “representative” waste site is applied across analogous waste sites to support decision-making, resulting in less pre-ROD characterization. The post-ROD characterization is focused on confirming current CSM group assignment or assisting in assignment to another CSM group. The approach is consistent with CERCLA and follows the representative and analogous site concepts defined in 200 Areas Remedial Investigation/Feasibility Study Implementation Plan (DOE/RL-98-28) and Supplemental Remedial Investigation/Feasibility Study Work Plan for the 200 Areas Central Plateau Operable Units (DOE/RL-2007-02).

This approach has been carried forward by the RASCAL team and seven CSM groups/subgroups were developed. The newly created 200 IA-1 OU includes those waste sites within CSM Group 1, subgroups 1a and 1b, that have the opportunity to accelerate their cleanup based on existing site knowledge that indicates remedial actions of: Remove, Treat, and Dispose, Confirmatory Sampling/No Further Action, and No Action.

A review of the existing data was conducted for each of the 12 representative waste sites to provide an expedited assessment of data usability to support conduct of the human health risk screening evaluation and the Kd screen that identifies analytes that have the potential to impact groundwater in the future. Appendix A of this ECF provides the review of existing data for the 200-IA-1 OU. Representative waste sites are identified by CSM grouping in Table 1. Following review of the existing data three of the 12 representative waste sites were found to lack soil data within the shallow vadose zone (200-E-BP, 200-E-109, and 200W-92) and were not further evaluated.

2.1 Points of Compliance

Soil samples collected from depths between 0 and 4.6 m (15 ft) bgs are selected for the outdoor worker risk screening evaluation. The point of compliance is established in the soils throughout the site from the ground surface to 4.6 m (15 feet) bgs to evaluate the potential for exposure to human receptors. This represents a reasonable estimate of the depth of soil that could be excavated and distributed at the soil surface as a result of site development activities (WAC 173-340-740 and WAC 173-340-7490). The point of compliance is established in the soils throughout the site for evaluation of groundwater protection.

2.2 Risk and Hazard Estimation

The follow subsections describe carcinogenic effects, noncarcinogenic effects, MTCA Method A soil cleanup levels, and the purpose of the Kd screen.

2.2.1 Carcinogenic Effects

The potential for carcinogenic effects is evaluated by estimating incremental increases in the probability of developing cancer over a lifetime, above the background probability of developing cancer (that is, if no exposure to site contaminants occurs). Cancer slope factors developed by the EPA are considered to be plausible upper bound estimates of the cancer potencies of contaminants. Using these cancer slope factors in calculating risks results in plausible, upper-bound estimates of risk; there is reasonable confidence that the actual cancer risks will not exceed the estimated risks and may actually be lower (EPA/540/1-89/002*, Risk Assessment Guidance for Superfund Volume I Human Health Evaluation Manual (Part A): Interim Final*).

Although synergistic or antagonistic interactions might occur between cancer-causing contaminants and other contaminants, information is generally lacking in the toxicological literature to predict quantitatively the effects of these potential interactions. Therefore, in this assessment, cancer risks are treated as independent and additive within an exposure route. This is consistent with the EPA guidelines on chemical mixtures presented in EPA/630/P-03/001F, *Guidelines for Carcinogen Risk Assessment*.

2.2.2 Noncarcinogenic Effects

For noncarcinogenic effects, the likelihood that a receptor will develop an adverse effect is estimated by comparing the predicted level of exposure for a particular contaminant with the highest level of exposure that is considered protective (that is, its reference dose [RfD]). The ratio of the chronic daily intake divided by the RfD is termed the hazard quotient (HQ).

When the HQ for a contaminant exceeds 1 (that is, exposure exceeds the RfD), there is a concern for potential noncarcinogenic health effects. To assess the potential for noncarcinogenic effects posed by exposure to multiple contaminants, an HI approach is used, in accordance with EPA guidance

(EPA/540/1-89/002). This approach assumes that the noncancer hazards associated with exposure to multiple contaminants are simply additive; synergistic or antagonistic interactions between contaminants, which are largely unknown, are not accounted for.

2.2.3 Comparison of Lead, and Total Petroleum Hydrocarbons to MTCA Method A Soil Cleanup Levels

Measured soil concentrations for lead are compared to the 2013 MTCA ("Tables" [WAC 173-340-900] Table 745-1), Method A, soil cleanup level for industrial properties of 1,000 mg/kg. The measured soil concentrations for total petroleum hydrocarbons (TPH) are compared to the 2013 MTCA ("Tables" [WAC 173-340-900] Table 747-5) Residual Saturation Screening Levels for TPH. Look-up values are used for lead and TPH because they do not have published toxicity values and outdoor worker preliminary remediation goals could not be calculated.

2.3 Distribution Coefficient (Kd) Screening for Evaluation of Future Groundwater Impacts

Kd screening is performed to determine if there is the potential for the analyte to impact groundwater in the future. The Kd value measures the amount of chemical substance adsorbed onto soil per amount of water and is key component to the retardation scaling factor used for vadose zone fate and transport modeling. As a health protective estimate, analytes with a Kd value >2 L/kg are not anticipated to move through the vadose and impact groundwater in the future. Analytes with a Kd value <2 L/Kg are retained for further evaluation when 200-IA-1 OU specific groundwater protection preliminary remediation goals are developed.

3 Methodology

The following provides an overview of the methodology used to process and reduce the data set used for the screening level human health risk evaluation and the Kd screen. It also provides the equations used to calculate the sample-specific screening level cancer risks and noncancer hazards associated with exposure to the 200-IA-1 OU soils via the exposure routes and pathways associated with the outdoor worker exposure scenario.

3.1 Existing Data Review

Appendix A of this ECF provides a review of the data used for the screening evaluations. The purpose of the existing data review is to determine whether the data used to perform the human health risk screening evaluations are the right type and of sufficient quality and quantity to support determining the final end state for each of the representative waste sites. This data review provides an initial assessment of the reasonableness of the available analytical results by evaluation of the following:

- chemical representativeness by review of the analytical methods and types of analytes reported;
- spatial representativeness by review of the proximity of samples to the representative waste site and number of samples and depths collected per location,
- temporal representativeness by review of the date samples were collected, and
- sensitivity of the analytical method by review of the method detection limit (MDL) to determine if it is adequate for confirming the absence of an analyte.

3.1.1 Analytical Data Processing and Reduction

The following process describes how the data are processed and reduced to obtain the final data set used for the sample-specific screening evaluations:

1. Obtain soil sample numbers for each representative waste site from the RASCAL team.
2. Download the sample results from the Hanford Environmental Information System (HEIS) database.
3. Convert analytical units to μg/kg or pCi/g as needed.
4. Process the data set to remove rejected results identified during validation or results reported using non-standard methods.
5. Process the data set to remove non- detected sample results.
6. Process the data set to remove results associated with redundant analytical methods.
7. Process parent and duplicate results to a single set of results per location and depth interval.
8. Process the data set to remove results meeting exclusion criteria.

The data processing and data reduction steps, and the number of records associated with each of the steps, are presented in Figure 1 and Figure 2 for the human health risk screen and the Kd screen, respectively.

3.1.1.1 Laboratory and Validation Flag

Analytical data are received from the laboratory with data qualification flags; validation qualifiers are assigned during the data validation process. The following rules are applied to determine how flagged and qualified sample results are used to identify the final data set.

- All sample results flagged with a “U” qualifier, or combination of qualifiers that include a “U,” such as a “UJ,” are considered non-detected concentrations.

- All sample results without a "U" qualifier are considered detected concentrations, including results without a qualifier or with "J" qualifiers.
- Samples that are rejected and flagged with an "R" validation qualifier are not used for calculating source-term concentrations.

3.1.2 Analytical Results Reported by Non-Standard Methods

Results reported by non-standard methods such as water extraction for leaching studies, radioisotopic results reported by inductively coupled plasma/mass spectroscopy, and alpha and beta emitters included with the gamma energy analysis were eliminated from further consideration.

3.1.3 Identify Nondetected Analytes

Analytes that have been collected from appropriate locations, have adequate detection limits, and are not detected in the sample results are eliminated from further consideration. The sensitivity of analytical methods was evaluated in Appendix A to determine if minimum and maximum MDLs are adequate for confirming the absence of a contaminant.

3.1.4 Analytes Reported by Numerous Analytical Methods

Analytes are often reported by more than one analytical method, resulting in multiple results for an analyte at the same location and sample depth. Because multiple sets of analytical results cannot be used to quantify risk (i.e., this would result in multiple counting of a chemical), the data set that best represents the actual concentration will be retained. When analytes are reported by more than one analytical method for a sample, the results are processed to select the method that provides the most reliable results. Considerations for determining data to be retained include method-associated sample size, detection frequency, method sensitivity, and detection limits. The most conservative (i.e., health-protective) use of these types of data is the goal. Larger sample size, higher detection frequencies, and lower detection limits are given higher priority for method selection.

For example, lead may be analyzed using EPA Method 200.8 with an estimated quantitation limit (EQL) of 500 µg/kg or EPA Method 6010 with an EQL of 5,000 µg/kg. For a sample with lead concentrations reported using both methods, the results reported by EPA Method 200.8 are chosen over EPA Method 6010 because of the more sensitive detection limit.

3.1.5 Field Duplicate Results

Field quality control samples (field duplicates) are collected in the field and are analyzed by the laboratory as unique samples. The parent sample and quality control samples are collected from the same location, the same depth, on the same date, resulting in more than one sample per location and date. Because multiple sets of analytical results cannot be used to quantify risk (i.e., this would result in multiple-counting of a chemical), the results for the same location, depth, and date are reduced to a single result for each reported analyte. The following criteria are used to reduce multiple sample results for one location and date to a single result per analyte. The most conservative (i.e., health-protective) result is the goal.

- If two or more detections exist, the maximum concentration is used.
- If at least one detection and one or more non-detections are reported, the detected concentration is used.
- If only (two or more) non-detections are reported, the lowest detection limit is used.

3.1.6 Modification of Radiological Sample Results

One modification was made for radiological sample results only as summarized below:

- **Radioactive Decay** - Analytical data for soil samples are available for a period of 15 years (2000 to 2015). All detected soil sample results for radiological contaminants were decayed to 01/01/2020. The decay rates for radiological contaminants were based on their corresponding half-lives, included in *ICRP Publication 107: Nuclear Decay Data for Dosimetric Calculations* (ICRP 2008).

3.1.7 Apply Exclusion Criteria

Analytes that meet exclusion criteria are eliminated from further consideration. Analytes that do not meet the exclusion criteria are carried forward into the next step of the process. The following defines the exclusion criteria that were applied:

- **Essential Nutrients**: The essential nutrients (calcium, magnesium, potassium, and sodium) are considered to be human nutrients essential to a well-balanced diet, and as such are often added to foods as supplements. For this reason, they typically are not considered hazardous to humans. Therefore, the essential nutrients (minerals) are not considered as soil COPCs.

- **Naturally Occurring Radionuclides.** Six radionuclides (potassium-40, radium-226, radium-228, thorium-228, thorium-230 and thorium-232) are considered to be naturally occurring and not directly related to Hanford Site operations or processes are eliminated from further consideration as soil COPCs.

- **Radionuclides with Half-Lives of Less than 3 Years.** Radionuclides with half-lives of less than 3 years are eliminated from further consideration as soil COPCs. They are either insignificant dose and risk contributors or their contributions are already included within the contributions of their parent.

- **Analytes without Known Toxicity Information.** Analytes without known toxicity information are eliminated from further consideration as COPCs.

3.2 Comparison to Hanford Site Background Levels for Risk Screening Evaluation

Cancer risk and noncancer hazards are calculated without background contribution. Measured soil concentrations are compared to Hanford Site background using the following steps.

- Compare measured soil concentration for soil samples collected between the zero and 4.6 m (15 ft) depth interval to the applicable lognormal 90th percentile background value.

- If the measured soil concentration is less than or equal to the lognormal 90^{th} percentile background value, then a cancer risk and noncancer hazard not calculated.

- If the measured soil concentration is greater than the lognormal 90^{th} percentile background value, then a cancer risk estimate or noncancer hazard is calculated using the equations presented in Section 3.4.

- If a lognormal 90^{th} percentile background is not available, then a cancer risk estimate or noncancer hazard is calculated using the equations presented in Section 3.4.

- Calculate total cancer risk and noncancer hazard index for all measured soil concentrations that are greater than the lognormal 90th percentile background values and measured soil concentrations without available background concentrations, using the appropriate equations provided in Section 3.4.

3.3 Comparison to Hanford Site Background for Soil Distribution Coefficient Screening

The Kd comparison is performed without background contribution. Measured soil concentrations are compared to Hanford Site background using the following steps.

- Compare measured soil concentration for soil samples collected between the ground surface and the groundwater table to the applicable lognormal 90th percentile background value.
- If the measured soil concentration is less than or equal to the lognormal 90th percentile background value, then it is not carried forward into the Kd comparison described in Section 2.3.
- If the measured soil concentration is greater than the lognormal 90th percentile background value, then it is carried forward into the Kd comparison described in Section 2.3.
- If a lognormal 90th percentile background is not available, then it is carried forward into the Kd comparison described in Section 2.3.

3.4 Cancer Risk and Noncancer Hazard Equations

Excess lifetime cancer risks (ELCR) and noncancer hazards were calculated for each individual measured soil concentration collected from the same sample location and depth. Equations are provided below.

3.4.1 Cancer Risk Estimation Method

The sample specific ELCR for each individual measured soil concentration is calculated using the following equation:

$$ELCR_i = \frac{Soil_{ind}}{PRG_{OW}} \times TR$$

Where:

$ELCR_i$	=	Individual sample-specific ELCR (unitless)
$Soil_{ind}$	=	Individual measured soil concentration (µg/kg or pCi/g)
PRG_{OW}	=	Outdoor Worker Preliminary Remediation Goal (PRG) based on 10^{-6} target risk for chemicals or a 10^{-4} target risk for radionuclides (µg/kg or pCi/g)
TR	=	target ELCR of 10^{-5} for an individual chemical or 10^{-4} for individual radioisotope

3.4.2 Total Cancer Risk Estimation Method

To estimate the total cancer risks from multiple carcinogens from all exposure routes considered, the following equation is used:

$$ELCR_{Total} = \sum_{1}^{N} ELCR_i$$

Where:

$ELCR_{total}$	=	Total sample-specific ELCR
$ELCR_i$	=	Individual sample-specific ELCR for the i^{th} COPCs
N	=	sum of the ratios for the i^{th} radionuclide or chemical

3.4.3 Percent Contribution of Total Cancer Risk

The percent contribution of total cancer risks for individual carcinogens is calculated using the following equation:

$$\%Contribution = \frac{ELCR_i}{ELCR_T} \times 100$$

3.4.4 Cumulative Cancer Risk Estimation Method

The cumulative cancer risk estimate is calculated by summing the total cancer risk for radionuclides and total cancer risk for chemical carcinogens using the following equation:

$$Cumulative\ Risk = ELCR_{T-chemical} + ELCR_{T-radionuclide}$$

3.5 Noncancer Hazard Estimation

To estimate the HQ from all exposure routes considered for individual hazardous substances, the following equation is used:

$$HQ = \frac{Soil_{ind}}{PRG_{OW}}$$

Where:

HQ	=	sample-specific HQ (unitless)
$Soil_{ind}$	=	Individual measured soil concentration (µg/kg)
PRG_{ow}	=	Outdoor worker PRG (µg/kg)

To estimate the HI from all exposure routes considered for an individual hazardous substance, the following equation is used:

$$HI = \sum_{i}^{N} HQ_i$$

Where:

HI	=	Hazard Index
HQ_i	=	Individual HQ for the i^{th} chemical
N	=	number of chemicals

3.6 Kd Comparisons

If the measured soil concentration for an analyte is greater than its corresponding lognormal 90th percentile background value or if a lognormal 90th percentile background is not available, then the Kd value is evaluated. Analytes with a Kd >2 L/Kg are not anticipated to impact groundwater in the future. The results for analytes with a Kd <2 L/Kg may be evaluated to determine the potential for future groundwater impacts.

4 Assumptions and Inputs

Assumptions and inputs associated with COPCs, sample numbers, quantification of potential exposure, sources of Hanford Site background values, and the sources of Kd values are described below.

4.1 Identification of Contaminant of Potential Concerns (COPCs)

COPCs are identified in the human health screening evaluation for analytes suspected of being associated with site-related activities, and that may represent a potential for exposure and risk to human receptors. Typically, the evaluation of COPCs in a quantitative risk assessment is based on data of known quality. However, given the expedited evaluation process for 200 IA-1 OU being undertaken, sample data at representative sites within the 200-IA-1 OU were not collected in advance based on site characterization objectives. Rather, data at representative sites evaluated in the human health screening evaluation to identify COPCs was collected on or "near" the site for limited characterization or for other purposes. The usable data were represented by surface soil or soil borings and the identification of COPCs in the human health screening evaluation was accomplished by evaluating analytes on a sample depth interval basis (sample by sample).

4.2 Representative Waste Site Data

All sampling and analysis data for representative waste sites were downloaded from the HEIS database. The sample numbers used for each representative site location are provided in Appendix A, Tables A-14 through A-23.

4.3 Potentially Complete Human Exposure Pathways and Receptors

As described in DOE/RL-2019-46, *Central Plateau Inner Area Principles and Parameters*, land use within the Inner Area of the Central Plateau is Industrial. Human health risks in the Inner Area will be assessed using the outdoor worker exposure scenario for chemicals and radionuclides within the standard point of compliance (0 to 4.6 m [15 ft] bgs).

Key assumptions for the outdoor worker are as follows:

- Exposure pathways selected for the outdoor worker scenario are based on the assumption that direct contact exposure is potentially complete to contaminants in soil.
  - Exposure pathways for radionuclides include incidental soil ingestion, inhalation of dust, and direct (external) exposure.
  - Exposure pathways for nonradiological contaminants in shallow soil include incidental soil ingestion, inhalation of dust and volatiles, and dermal contact with soil.

4.3.1 Quantification of Outdoor Worker PRGs

Quantification of potential exposures is evaluated through the comparison of individual measured soil concentrations to PRGs. EPA/540/R-92/003, Risk Assessment Guidance for Superfund Volume I – Human Health Evaluation Manual (Part B, Development of Risk-based Preliminary Remediation Goals) Interim, defines chemical specific PRGs as concentration goals for individual chemicals for specific environmental medium and land use combinations at CERCLA sites. Outdoor worker PRGs are calculated using the equations and parameters defined in DOE/RL-2019-46. Radiological and nonradiological PRGs for the outdoor worker are published in the following ECFs:

- ECF-HANFORD-16-0133, Calculation of Soil Radiological Preliminary Remedial Goals for the Outdoor Worker Scenario
- ECF-HANFORD-16-0134, Calculation of Soil Nonradiological Preliminary Remedial Goals for the Outdoor Worker Scenario

A summary of outdoor worker PRGs for radiological and nonradiological analytes are presented in Table 2.

4.3.2 Basis for Action

For protection of human health (direct contact), the CERCLA defined basis for action for radionuclides as 1 in 10,000 cumulative excess lifetime cancer risk. The basis for action for chemicals is based on the EPA Regional Screening Levels calculation at 1 in 100,000 for cancer risks or a hazard index of 1 for noncancer hazards.

4.4 Sources of Background Concentrations for Radiological and Nonradiological Contaminants

The following reports were utilized to obtain the Hanford soil background concentrations:

- DOE/RL-92-24, Vol. 1, Revision 4, *Hanford Site Background: Part 1, Soil Background for Nonradioactive Analytes*
- DOE/RL-96-12, Revision 0, *Hanford Site Background: Part 2, Soil Background for Radionuclides*
- ECF-HANFORD-11-0038, *Soil Background for Interim Use at The Hanford Site*
- Ecology's June 11, 2013 Memo, Issues Associated with Establishing Soil Cleanup Levels for Arsenic

Table 3 presents the Hanford Site soil background concentrations for radiological and nonradiological contaminants that reside within the shallow vadose zone (zero to 4.6 m [15 ft]) interval. Table 4 presents the Hanford Site soil background concentrations for soil collected from depths > 4.6 m (15 ft) bgs.

4.5 Distribution Coefficients (Kd)

As described in DOE/RL-2019-46, for evaluation of groundwater protection for soil and vadose zone contamination within the Central Plateau, Kd values identified for the River Corridor (DOE/RL-2010-95) are used. Because DOE/RL-2010-95 did not identify a Kd value for uranium, a Kd value of zero is used. A Kd value of zero is also used for hexavalent chromium because a site-specific groundwater protection PRG value was developed for the River Corridor based on leaching studies that used residual hexavalent chromium concentrations that remain after remediation of a waste site. With the exception of uranium and hexavalent chromium, the source of Kd values is ECF-HANFORD-12-0023, *Groundwater and Surface Water Cleanup Levels and Distribution Coefficients for Nonradiological and Radiological Analytes in the 100 Areas and 300 Area.* Table 5 presents the distribution coefficients for radiological and nonradiological contaminants.

5 Software Applications

All supporting calculations are performed on electronic spreadsheets using Microsoft Excel[1].

6 Calculation

Human health cancer risks and noncancer hazard estimates were calculated using the methodology and inputs documented in Sections 3 and 4. The results of each step of the risk and Kd screening process are presented in Section 7.

All QA/QC checks were conducted by comparing 5% of the data against source documentation. If an error was found in the first 5% of data, and additional 5% was checked and repeated as needed. The following QA/QC steps were taken:

- A review of the 200-IA-1 OU dataset was undertaken to ensure the correct samples per representative waste site were included in the human health risk screening and Kd screening evaluations by comparing HEIS data to raw data verifying that representative waste site, analytes, sample number, standard value, units, and lab qualifier matched.
- A review of input parameters such as PRGs, Hanford Site Lognormal 90th Percentile Background Levels and Kd values were confirmed. An independent check of the cancer risks and noncancer hazards calculations was conducted.

The independent check of the dataset, review of input parameters, and verification of calculations did not identify any errors associated with the outdoor worker scenario risk estimates and noncancer hazard results for any representative waste site. Hand calculations used to verify the human health risk screening results are presented in Appendix B.

[1] Excel is a trademark of Microsoft Corporation, Redmond, Washington.

7 Results/Conclusions

This section presents the results of the outdoor worker screening level risk evaluation for nine representative waste sites within 200-IA-1 OU. Prior to conducting the risk screening evaluation, data processing and reduction steps were taken as described in Section 3.1.1 through 3.1.6 and Section 3.2. This section also presents the results of the Kd screening evaluation.

7.1 Identify Final Data Sets

This section summarizes the steps of selecting the final data sets that will be used for the screening level risk evaluation and the Kd screening evaluation.

A total of 20,287 records were reported for the 200-IA-1 OU. Following the data processing and reduction steps described in Sections 3.1.1 through 3.1.6, the data set for human health screening evaluation was comprised of 5,947 records including 510 analytes. Following the data processing and reduction steps, the data set for the Kd screening evaluation was comprised of 15,193 records including 565 analytes.

7.1.1 Nondetected Analytes

For the human health risk screening evaluation, a total of 325 analytes were not detected in any of the 200-IA-1 OU samples and are listed in Table 6. For the Kd screening evaluation, a total of 335 analytes were not detected in any of the 200-IA-1 OU samples and are listed in Table 7. Both tables also provide sampling dates, total number of samples, and minimum and maximum MDLs or MDAs.

In addition to those analytes that were not detected in any of the samples from 200-IA-1 OU, analytes that were not detected at any given sample location and depth within each representative waste site were also not evaluated in the screening evaluations. Nondetected sample results that were not detected at a given sample location and depth are listed in Table 8 and Table 9 for the human health risk screening and Kd screen, respectively. Both tables provide the representative waste site, sample location, and MDL or MDA.

7.1.2 Apply Exclusion Criteria

For the human health screening evaluation, 110 analytes from the 200-IA-1 OU met the exclusion criteria and are listed in Table 10. For the Kd screening evaluation, 151 analytes from the 200-IA-1 OU met the exclusion criteria and are listed in Table 11. These analytes were excluded from further consideration in each of the screening evaluations.

7.1.2.1 Essential Nutrients

Essential nutrients are those analytes considered essential for human nutrition. Essential nutrients (calcium, magnesium, potassium, and sodium) were detected in the samples from 200-IA-1 OU and are eliminated from further consideration in the screening evaluations.

7.1.2.2 Background Radionuclides

Background radionuclides are those radionuclides considered to be naturally occurring and not directly related to Hanford operations or processes. Background radionuclides (potassium-40, thorium-228, thorium-230, and thorium-232) were detected in the samples taken from the 200-IA-1 OU remediated waste sites and are eliminated from further consideration in the screening evaluations.

7.1.2.3 Radionuclides with Half-Lives Less than Three Years

Radionuclides with half-lives of less than 3 years and that are not significant daughter products are eliminated from further consideration from the screening evaluations. Eight radionuclides with half-lives less than three years were excluded from the 200-IA-1 OU and include:

- Amtimony-125
- Bismuth-212
- Bismuth-214
- Cesium-134
- Lead-212
- Lead-214
- Ruthenium-106
- Thallium-208

7.1.2.4 Analytes Without Known Toxicity Information

Analytes that were detected but are without known toxicity information are eliminated from further consideration for the risk and Kd screening evaluations and they are included in Tables 10 and 11, respectively. For the human health risk screening evaluation, 95 analytes from the 200-IA-1 OU were excluded because they are without known toxicity information. Excluded analytes include: seven anions, one cation, 10 general chemistry parameters, eight metals, 62 PCB congeners, four volatile organic compounds (VOCs), and three semi-volatile organic compounds (SVOCs).

For the Kd screening evaluation, 135 analytes from the 200-IA-1 OU were excluded because they are without known toxicity information. Excluded analytes include: eight anions, one cation, 26 general chemistry parameters, 17 metals, two radioisotopes, 62 PCB congeners, 6 SVOCs, and 13 VOCs.

7.1.3 Comparison to 90th Percentile Background Concentrations

Individual measured soil concentrations were compared to applicable lognormal 90th percentile background values. If the measured soil concentration is less than or equal to the lognormal 90th percentile background value, then it is not carried forward into the risk or Kd screening evaluations. The background comparisons for the human health risk screening evaluation and the Kd screening is presented in Table 12 and Table 13, respectively. A total of 11 analytes were less than the lognormal 90th percentile background concentration and eliminated from further consideration for the human health screening evaluation. Two analytes were eliminated from further consideration for the Kd screening evaluation.

7.1.4 Comparison to Kd Values

If the measured soil concentration for an analyte is greater than its corresponding lognormal 90th percentile background value or if a lognormal 90th percentile background is not available, the Kd value for that analyte was directly compared with a Kd value of 2 L/kg. The results of the comparison are presented in Table 14. The Kd values for 49 analytes are greater than 2 L/Kg and were eliminated from further consideration.

7.1.5 Final Data Sets

The final data sets used for the outdoor worker risk screening evaluation and the Kd screening evaluation are presented in Tables 15 and 16, respectively. Table 17 identifies the analytes included in the outdoor worker risk screening evaluation at each representative waste site location. Table 18 identifies the analytes at each representative waste site location with Kd values < 2 L/Kg.

7.2 Results of the Outdoor Worker Risk Screening Evaluation

The cancer risks and noncancer hazards associated with each representative waste site location are provided in Table 19. A summary of outdoor worker cancer risks and noncancer hazards for each representative waste site is provided in Table 20.

7.3 Comparison to Method A Cleanup Levels

A comparison of individual measured concentrations to Method A cleanup levels is provided in Table 21.

7.4 Conclusions

The results of the outdoor worker screening level evaluation in Table 20 shows that radiological ELCRs for one representative waste site, UPR-200-E-64 is greater than the EPA upper risk threshold of 1×10^{-4}. For UPR-200-E-64, the cancer risk of 3×10^{-2} is located at a depth of 12.5' to 14.5' bgs at sample location C5942. The primary contributor to cancer risk is cesium-137 (2,830 pCi/g). For UPR-200-E-89, the cancer risk is equal to 1×10^{-4} and located between 0 and 15' bgs at sample location 299-E33-341. The primary contributor to cancer risk is cesium-137 (15.4 pCi/g).

The results of the outdoor worker screening level evaluation showed that the ELCRs for nonradiological analytes were not above the EPA upper risk threshold of 1×10^{-5} for any of the representative waste sites. In addition, the sample-specific noncancer hazards were not above the EPA target HI of 1 for any of the representative waste sites.

Table 21 shows that all lead and TPH-diesel range concentrations were less than their corresponding MTCA Method A CULs of 1,000 mg/kg and 2,000 mg/kg, respectively.

8 References

DOE/RL-96-12, 1996, *Hanford Site Background: Part 2, Soil Background for Radionuclides*, Rev. 0, U.S. Department of Energy, Richland Operations Office, Richland, Washington. Available at: http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D1808987.

DOE/RL-92-24, 2001, *Hanford Soil Background: Part 1, Soil Background for Nonradioactive Analytes*, Rev. 4, U.S. Department of Energy, Richland Operations Office, Richland, Washington. Available at: https://pdw.hanford.gov/document/0096062

DOE/RL-98-28, 1999, *200 Areas Remedial Investigation Feasibility Study Implementation Plan Environmental Restoration Program*, Rev. 0, U.S. Department of Energy, Richland Operations Office, Richland, Washington. Available at: https://pdw.hanford.gov/document/D199153696.

DOE/RL-2007-02, 2007, *Supplemental Remedial Investigation Feasibility Study Work Plan For 200 Areas Central Plateau OU, Draft A*, Department of Energy, Richland Operation Office, Richland, Washington. Available at: https://pdw.hanford.gov/document/DA04659620

DOE/RL-2010-95, 2014, *Remedial Investigation/Feasibility Study for the 100-DR-1, 100-DR-2, 100-HR-1, 100-HR-2, and 100-HR-3 Operable Units*, Revision 0, Department of Energy, Richland Operation Office, Richland, Washington. Available at: https://pdw.hanford.gov/document/0083383H

DOE/RL-2011-50, 2012, *Regulatory Basis and Implementation of a Graded Approach to Evaluation of Groundwater Protection*, Revision 1, Department of Energy, Richland Operation Office, Richland, Washington. Available at: https://www.hanford.gov/files.cfm/CAL_Regulatory_Basis_Implementation_Graded_Approach_Groundwater.pdf

DOE/RL-2019-46, 2020, *Central Plateau Inner Area Cleanup Principles and Parameters*, Revision 0, Department of Energy, Richland Operation Office, Richland, Washington. Available at: https://pdw.hanford.gov/document/AR-04247

DOE/RL-2020-51, 2021, *200-IA-1 OU Focused Feasibility Study*, Revision 0, Department of Energy, Richland Operation Office, Richland, Washington. Draft A, Pending.

ECF-HANFORD-11-0038, 2011, *Soil Background for Interim Use at the Hanford Site*, Rev. 0, CH2M HILL Plateau Remediation Company, Richland, Washington. Available at: https://pdw.hanford.gov/document/0088381

ECF-HANFORD-12-0023, 2018, *Groundwater and Surface Water Cleanup Levels and Distribution Coefficients for Nonradiological and Radiological Analytes in the 100 Areas and 300 Area*, Rev. 4, CH2M Hill Plateau Remediation Company, Richland, Washington. Available at: https://pdw.hanford.gov/document/0065283H.

ECF-HANFORD-16-0133, 2016, *Calculation of Soil Radiological Preliminary Remedial Goals for the Outdoor Worker Scenario*, Rev. 0, CH2M Hill Plateau Remediation Company, Richland, Washington. Available at: https://pdw.hanford.gov/document/0071881H.

ECF-HANFORD-16-0134, 2020, *Calculation of Soil Nonradiological Preliminary Remedial Goals for the Outdoor Worker Scenario*, Rev. 1, CH2M Hill Plateau Remediation Company, Richland, Washington.

Ecology 94-115, 1994, *Natural Background Soil Metals Concentrations in Washington State*, Toxics Cleanup Program, Washington State Department of Ecology.

Ecology, June 11, 2013 Memorandum, "Issues Associated with Establishing Soil Cleanup Levels for Arsenic."

EPA/540/1-89/002, 1989, *Risk Assessment Guidance for Superfund Volume I Human Health Evaluation Manual (Part A): Interim Final*, U.S. Environmental Protection Agency, Washington, D.C. Available at: http://www.epa.gov/risk/risk-assessment-guidance-superfund-rags-part.

EPA/540/R-92/003, 1991, *Risk Assessment Guidance for Superfund: Volume I—Human Health Evaluation Manual (Part B, Development of Risk-Based Preliminary Remediation Goals): Interim*, Publication 9285.7-01B, Office of Emergency and Remedial Response, U.S. Environmental Protection Agency, Washington, D.C. Available at: https://www.epa.gov/risk/risk-assessment-guidance-superfund-rags-part-b.

EPA/630/P-03/001F, 2005, *Guidelines for Carcinogen Risk Assessment*, Risk Assessment Forum, U.S. Environmental Protection Agency, Washington, D.C. Available at: https://www.epa.gov/risk/guidelines-carcinogen-risk-assessment.

EPA, 2020, "Preliminary Remediation Goals for Radionuclides (PRG)" website, http://epa-prgs.ornl.gov/radionuclides

IAMIT Determination 2020-006, 2020, *RASCAL Recommendations for Expediting Remedial Cleanup on the Hanford Central Plateau*, Hanford Federal Facility Agreement and Consent Order Interagency Management Integration Team, Richland, Washington. Available at: https://pdw.hanford.gov/document/AR-03865.

ICRP Publication 107, 2008, *Nuclear Decay Data for Dosimetric Calculations*, International Commission on Radiological Protection, New York, New York. Available at: http://journals.sagepub.com/doi/pdf/10.1177/ANIB_38_3.

PNNL-18564, 2009, *Selection and Traceability of Parameters to Support Hanford-Specific RESRAD Analyses: Fiscal Year 2008 Status Report*, Pacific Northwest National Laboratory, Richland, Washington. Available at: http://www.pnl.gov/main/publications/external/technical_reports/PNNL-18564.pdf.

PNNL-18577, 2009, *A Review of Metal Concentrations Measured in Surface Soil Samples Collected on and Around the Hanford Site*, Pacific Northwest National Laboratory, Richland, Washington. Available at: https://www.pnnl.gov/main/publications/external/technical_reports/PNNL-18577.pdf

WAC 173-340, "Model Toxics Control Act—Cleanup," *Washington Administrative Code*, Olympia, Washington. Available at: http://apps.leg.wa.gov/WAC/default.aspx?cite=173-340.

Figures

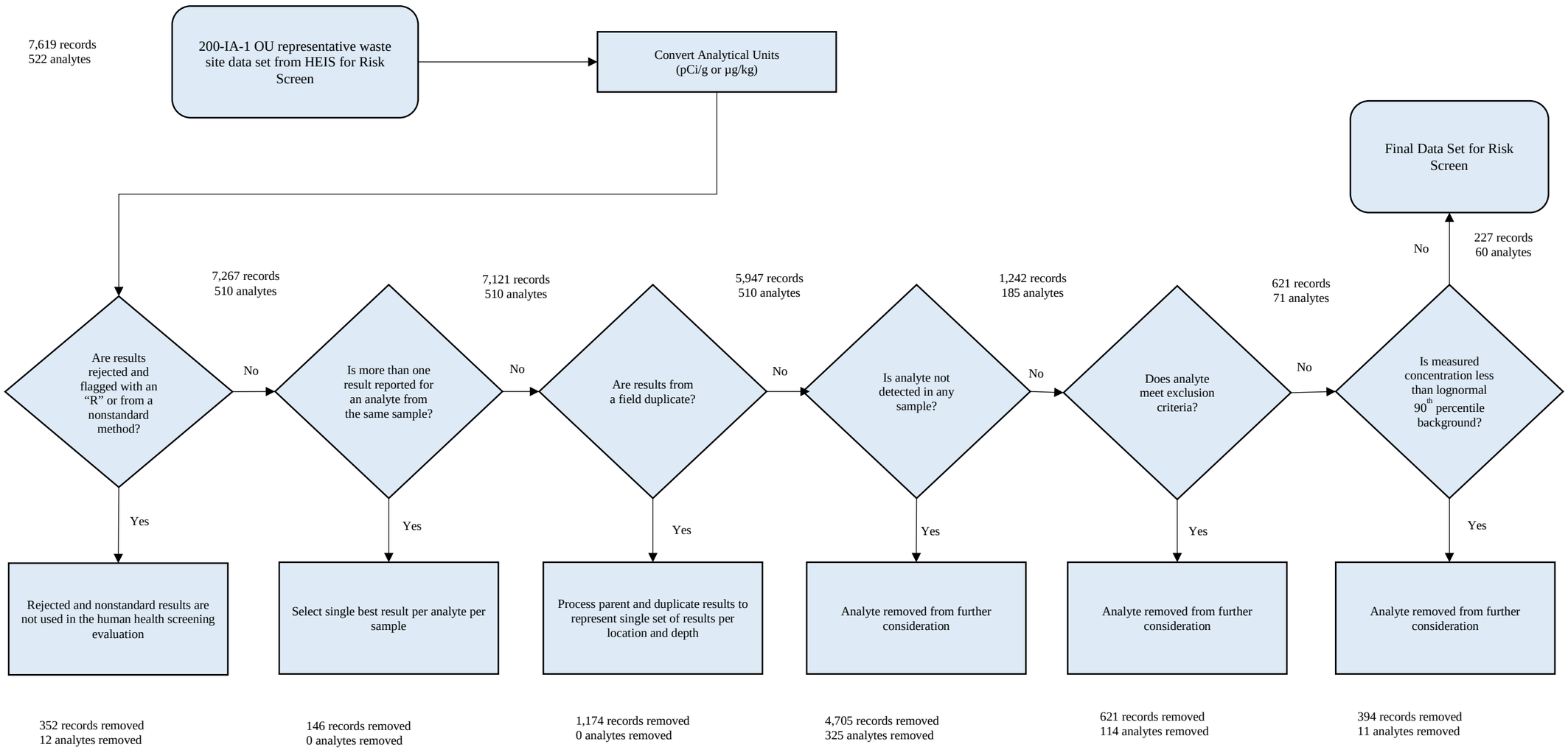

Figure 1: Analytical Data Processing and Reduction for Screening Level Human Health Risk Evaluation

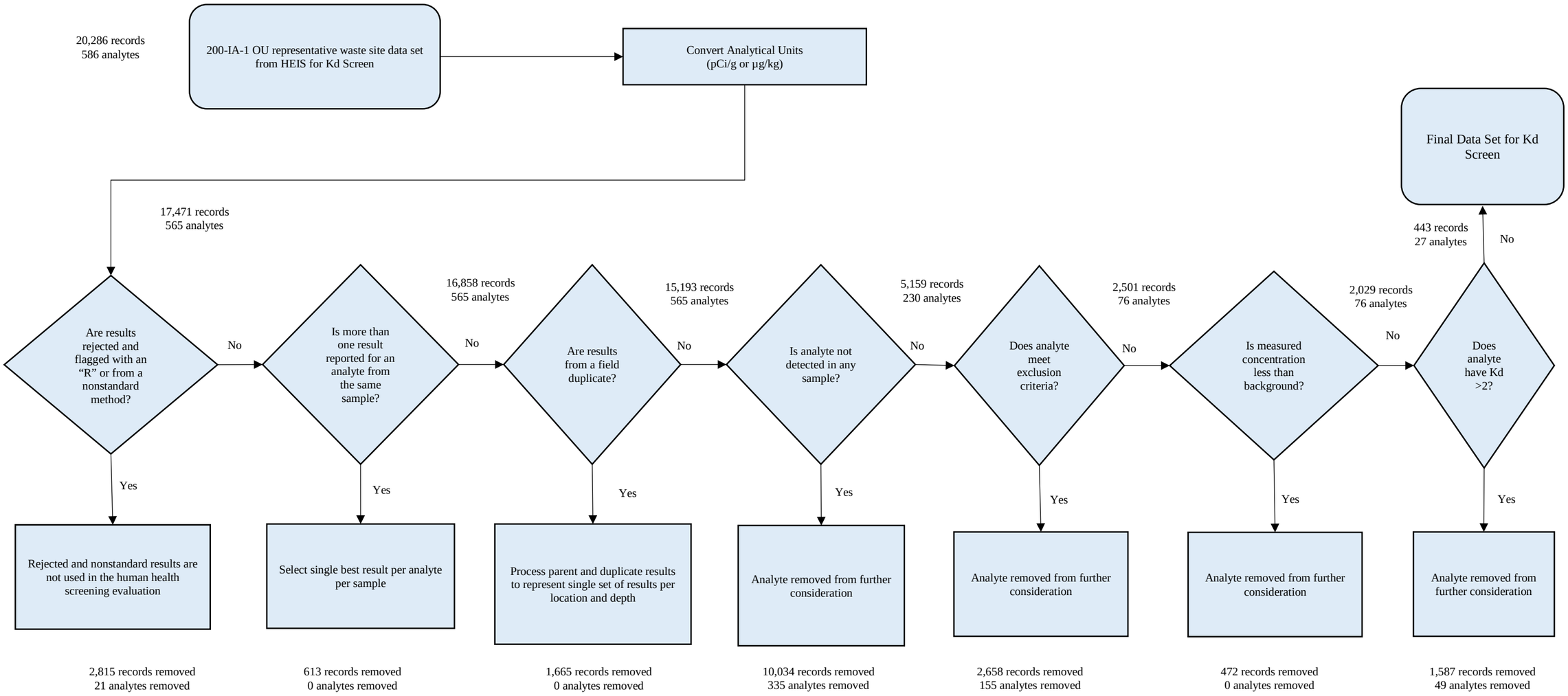

Figure 2: Analytical Data Processing and Reduction for Kd Screening Evaluation

Tables

Table 1. Conceptual Site Model Groups 1a and 1b waste sites that make up the 200-IA-1 OU

Operable Unit	Representative Waste Site	WIDS Waste Site Type
CSM Group 1a		
200-EA-1	200-E-BP[a]	Burn Pit
	200-E-109[a]	Contamination Migration
	200-E-115[b]	Unplanned Release
	200-E-117	Unplanned Release
	200-E-123	Unplanned Release
	200-E-125	Unplanned Release
	200-E-129	Unplanned Release
	200-E-130	Unplanned Release
	200-E-139	Unplanned Release
	200-E-142	Depression/Pit (non specific)
	200-E-209-PL	Process Sewer
	200-E-25	French Drain
	200-E-26	Unplanned Release
	200-E-262-PL	Radioactive Process Sewer
	200-E-287	Contamination Migration
	200-E-292	Dumping Area
	200-E-293	Foundation
	200-E-43	Storage
	200-E-53	Unplanned Release
	207-B	Retention Basin
	216-A-34[b]	Ditch
	216-A-40	Retention Basin
	UPR-200-E-50	Unplanned Release
	UPR-200-E-64[b]	Contamination Migration
	UPR-200-E-66	Unplanned Release
200-WA-1	200-W-106	Unplanned Release
	200-W-127	Unplanned Release
	200-W-21	Pump Station
	200-W-22	Unplanned Release
	200-W-54[b]	Contamination Migration
	200-W-6	Dumping Area
	200-W-67	Unplanned Release
	200-W-85	Unplanned Release
	200-W-92[a]	Dumping Area
	207-S	Retention Basin
	207-T[b]	Retention Basin

Table 1. Conceptual Site Model Groups 1a and 1b waste sites that make up the 200-IA-1 OU

Operable Unit	Representative Waste Site	WIDS Waste Site Type
200-WA-1	207-U	Retention Basin
	UPR-200-W-103	Unplanned Release
	UPR-200-W-116	Unplanned Release
	UPR-200-W-14	Unplanned Release
	UPR-200-W-166	Unplanned Release
	UPR-200-W-23	Unplanned Release
	UPR-200-W-76	Unplanned Release
	UPR-200-W-99[b]	Unplanned Release
CSM Group 1b		
200-EA-1	200-E-121	Unplanned Release
	200-E-13	Dumping Area
	200-E-27	Dumping Area
	200-E-276-PL	Radioactive Process Sewer
	200-E-297	Dumping Area
	207-A-NORTH	Retention Basin
	207-A-SOUTH[b]	Retention Basin
	216-A-38-1	Crib
	216-A-41	Crib
	UPR-200-E-143	Unplanned Release
	UPR-200-E-43	Unplanned Release
	UPR-200-E-89[b]	Unplanned Release
	UPR-200-E-99	Unplanned Release
200-WA-1	200-W-1	Mud Pit
	200-W-11	Dumping Area
	200-W-12	Dumping Area
	200-W-13	Unplanned Release
	200-W-14	Unplanned Release
	200-W-2	Spoils Pile/Berm
	200-W-53[b]	Unplanned Release
	200-W-63	Unplanned Release
	200-W-77	Unplanned Release
	200-W-80	Spoils Pile/Berm
	200-W-82	Product Piping
	200-W-83	Unplanned Release
	200-W-86	Unplanned Release
	600-70	Dumping Area
	UPR-200-W-165	Unplanned Release

Table 1. Conceptual Site Model Groups 1a and 1b waste sites that make up the 200-IA-1 OU

Operable Unit	Representative Waste Site	WIDS Waste Site Type
	UPR-200-W-33	Unplanned Release
	UPR-200-W-4	Unplanned Release
	UPR-200-W-55	Unplanned Release
	UPR-200-W-63	Unplanned Release

[a]Representative waste site for 200-IA-1 OU excluded from screening level ecological risk assessment due to lack of data

[b]Representative waste site for 200-IA-1 OU included in screening level ecological risk assessment

Table 2. Preliminary Remediation Goals for the Outdoor Worker Scenario

COPCs	Unit	Carcinogenic PRG[1]	Noncarcinogenic PRG[2]	Final PRG	References
Americium-241	pCi/g	613	--	--	ECF-HANFORD-16-0133, Rev 0
Carbon-14	pCi/g	570,125	--	--	
Cesium-137	pCi/g	11	--	--	
Europium-152	pCi/g	6.8	--	--	
Europium-154	pCi/g	8.2	--	--	
Tritium (H-3)	pCi/g	12,594	--	--	
Nickel-63	pCi/g	599,520	--	--	
Plutonium-238	pCi/g	3,438	--	--	
Plutonium-239/240	pCi/g	2,971	--	--	
Selenium-79	pCi/g	56,818	--	--	
Strontium-90	pCi/g	1,190	--	--	
Technetium-99	pCi/g	117,055	--	--	
Uranium-233/234	pCi/g	2,201	--	--	
Uranium-234	pCi/g	2,201	--	--	
Uranium-235	pCi/g	36	--	--	
Uranium-238	pCi/g	170	--	--	
2,3,3',4,4'-Pentachlorobiphenyl	mg/kg	5.2	19	5.2	ECF-HANFORD-16-0134, Rev 1
2,3',4,4',5-Pentachlorobiphenyl	mg/kg	5.2	19	5.2	
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	mg/kg	--	7,295	7,295	
2,4-D(2,4-Dichlorophenoxyacetic acid)	mg/kg	--	10,711	10,711	
2-Butanone	mg/kg	--	221,328	221,328	
2-Chlorophenol	mg/kg	--	6,489	6,489	
3,3',4,4',5,5'-Hexachlorobiphenyl	mg/kg	0.0056	0.019	0.0056	
3,3',4,4',5-Pentachlorobiphenyl	mg/kg	0.0016	0.0057	0.0016	
4-Chloro-3-methylphenol	mg/kg	--	91,185	91,185	
Acetone	mg/kg	--	746,926	746,926	
Amylene Hydrate	mg/kg	--	401	401	
Antimony	mg/kg	--	519	519	
Aroclor-1260	mg/kg	11	--	11	
Barium	mg/kg	--	259,177	259,177	
Bis(2-ethylhexyl) phthalate	mg/kg	1,824	18,237	1,824	
Boron	mg/kg	--	259,546	259,546	
Butylbenzylphthalate	mg/kg	13,438	182,369	13,438	
Copper	mg/kg	--	51,911	51,911	
Cyanide	mg/kg	--	180	180	
Diethylphthalate	mg/kg	--	729,478	729,478	
Fluoride	mg/kg	--	51,911	51,911	
Hexavalent Chromium	mg/kg	73	3,893	73	
Iron	mg/kg	--	908,444	908,444	
Mercury	mg/kg	--	389	389	
Methylene chloride	mg/kg	11,303	3,516	3,516	
Molybdenum	mg/kg	--	6,489	6,489	

Table 2. Preliminary Remediation Goals for the Outdoor Worker Scenario

COPCs	Unit	Carcinogenic PRG[1]	Noncarcinogenic PRG[2]	Final PRG	References
Nitrate	mg/kg	--	2.08E+06	2.08E+06	ECF-HANFORD-16-0134, Rev 1
Nitrite	mg/kg	--	129,778	129,778	
Nitrogen in Nitrite and Nitrate	mg/kg	--	2.08E+06	2.08E+06	
n-Nitrosodi-n-propylamine	mg/kg	3.6	--	3.6	
Phenol	mg/kg	--	90,445	90,445	
Pyrene	mg/kg	--	25,115	25,115	
Selenium	mg/kg	--	6,489	6,489	
Silver	mg/kg	--	6,489	6,489	
Strontium	mg/kg	--	778,667	778,667	
Styrene	mg/kg	--	36,548	36,548	
Thallium	mg/kg	--	13	13	
Tin	mg/kg	--	778,667	778,667	
Toluene	mg/kg	--	38,712	38,712	
Tributyl phosphate	mg/kg	2,837	9,118	2,837	
Tungsten	mg/kg	--	1,038	1,038	
Uranium	mg/kg	--	260	260	
Vanadium	mg/kg	--	6,488	6,488	
Zirconium	mg/kg	--	104	104	

[1] Carcinogenic PRGs for radiological and nonradiological COPCs are based on Target Risk of 1E-4 and 1E-5, respectively.

[2] Noncarcinogenic PRGs for nonradiological COPCs are based on HQ of 1.

ECF-HANFORD-16-0133, Rev 4, *Calculation of Soil Radiological Preliminary Remedial Goals for the Outdoor Worker Scenario*

ECF-HANFORD-16-0134, Rev 1, *Calculation of Soil Nonradiological Preliminary Remedial Goals for the Outdoor Worker Scenario*

Table 3. Hanford Site Soil Background Values for the 0 to 4.6 m (15 ft) Depth Interval

Analyte Name	Analyte Class	Units	90th Percentile Background Value	Maximum Background Value	Source of Background Values
Cesium-137	RAD	pCi/g	1.1	1.6	DOE/RL-96-12, Rev.0
Cobalt-60	RAD	pCi/g	0.0084	0.039	DOE/RL-96-12, Rev.0
Europium-154	RAD	pCi/g	0.033	0.079	DOE/RL-96-12, Rev.0
Europium-155	RAD	pCi/g	0.054	0.098	DOE/RL-96-12, Rev.0
Gross beta	RAD	pCi/g	23	25	DOE/RL-96-12, Rev.0
Plutonium-238	RAD	pCi/g	0.0038	0.019	DOE/RL-96-12, Rev.0
Plutonium-239/240	RAD	pCi/g	0.025	0.033	DOE/RL-96-12, Rev.0
Potassium-40	RAD	pCi/g	17	20	DOE/RL-96-12, Rev.0
Radium-226	RAD	pCi/g	0.82	1.2	DOE/RL-96-12, Rev.0
Radium-228	RAD	pCi/g	1.8	2.3	DOE/RL-96-12, Rev.0
Strontium-90	RAD	pCi/g	0.18	0.37	DOE/RL-96-12, Rev.0
Thorium-228	RAD	pCi/g	1.4	1.6	DOE/RL-96-12, Rev.0
Thorium-232	RAD	pCi/g	1.3	1.6	DOE/RL-96-12, Rev.0
Total beta radiostrontium	RAD	pCi/g	0.18	0.37	DOE/RL-96-12, Rev.0
Uranium-233/234	RAD	pCi/g	1.1	1.5	DOE/RL-96-12, Rev.0
Uranium-234	RAD	pCi/g	1.1	1.5	DOE/RL-96-12, Rev.0
Uranium-235	RAD	pCi/g	0.11	0.39	DOE/RL-96-12, Rev.0
Uranium-238	RAD	pCi/g	1.1	1.2	DOE/RL-96-12, Rev.0
Aluminum	METAL	µg/kg	1.18E+07	2.88E+07	DOE/RL-92-24, V.1, Rev.4
Antimony	METAL	µg/kg	130	385	ECF-HANFORD-11-0038
Arsenic	METAL	µg/kg	20,000	27,700	Ecology Letter dated 6/11/2013
Barium	METAL	µg/kg	132,000	480,000	DOE/RL-92-24, V.1, Rev.4
Beryllium	METAL	µg/kg	1,510	10,000	DOE/RL-92-24, V.1, Rev.4
Boron	METAL	µg/kg	3,890	5,860	ECF-HANFORD-11-0038
Cadmium	METAL	µg/kg	563	2,980	ECF-HANFORD-11-0038
Calcium	METAL	µg/kg	1.72E+07	1.05E+08	DOE/RL-92-24, V.1, Rev.4
Chromium	METAL	µg/kg	18,500	320,000	DOE/RL-92-24, V.1, Rev.4
Cobalt	METAL	µg/kg	15,700	110,000	DOE/RL-92-24, V.1, Rev.4

Table 3. Hanford Site Soil Background Values for the 0 to 4.6 m (15 ft) Depth Interval

Analyte Name	Analyte Class	Units	90th Percentile Background Value	Maximum Background Value	Source of Background Values
Copper	METAL	µg/kg	22,000	61,000	DOE/RL-92-24, V.1, Rev.4
Iron	METAL	µg/kg	3.26E+07	6.81E+07	DOE/RL-92-24, V.1, Rev.4
Lead	METAL	µg/kg	10,200	74,100	DOE/RL-92-24, V.1, Rev.4
Lithium	METAL	µg/kg	13,300	19,200	ECF-HANFORD-11-0038
Magnesium	METAL	µg/kg	7.06E+06	3.23E+07	DOE/RL-92-24, V.1, Rev.4
Manganese	METAL	µg/kg	512,000	1.11E+06	DOE/RL-92-24, V.1, Rev.4
Mercury	METAL	µg/kg	13	29	ECF-HANFORD-11-0038
Molybdenum	METAL	µg/kg	470	3,170	ECF-HANFORD-11-0038
Nickel	METAL	µg/kg	19,100	200,000	DOE/RL-92-24, V.1, Rev.4
Potassium	METAL	µg/kg	2.15E+06	7.90E+06	DOE/RL-92-24, V.1, Rev.4
Selenium	METAL	µg/kg	780	840	ECF-HANFORD-11-0038
Silver	METAL	µg/kg	167	273	ECF-HANFORD-11-0038
Sodium	METAL	µg/kg	690,000	6.06E+06	DOE/RL-92-24, V.1, Rev.4
Thallium	METAL	µg/kg	185	523	ECF-HANFORD-11-0038
Uranium	METAL	µg/kg	3,210	4,042	Isotopic Activity Conversion based on DOE/RL-96-12 values
Vanadium	METAL	µg/kg	85,100	140,000	DOE/RL-92-24, V.1, Rev.4
Zinc	METAL	µg/kg	67,800	366,000	DOE/RL-92-24, V.1, Rev.4
Ammonia	ANIONS	µg/kg	9,230	26,400	DOE/RL-92-24, V.1, Rev.4
Chloride	ANIONS	µg/kg	100,000	1.48E+06	DOE/RL-92-24, V.1, Rev.4
Fluoride	ANIONS	µg/kg	2,810	73,300	DOE/RL-92-24, V.1, Rev.4
Nitrate	ANIONS	µg/kg	52,000	906,000	DOE/RL-92-24, V.1, Rev.4
Phosphate	ANIONS	µg/kg	785	225,000	DOE/RL-92-24, V.1, Rev.4
Sulfate	ANIONS	µg/kg	237,000	1.26E+07	DOE/RL-92-24, V.1, Rev.4

DOE/RL-92-24, Vol. 1, Revision 4, *Hanford Site Background: Part 1, Soil Background for Nonradioactive Analytes*

DOE/RL-96-12, Revision 0, *Hanford Site Background: Part 2, Soil Background for Radionuclides*

ECF-HANFORD-11-0038, *Soil Background for Interim Use at The Hanford Site*

Ecology's June 11, 2013 Memo, Issues Associated with Establishing Soil Cleanup Levels for Arsenic

Table 4. Hanford Site Soil Background Values for Depths Greater Than 4.6 m (15 ft) Depth Interval

Analyte Name	Analyte Class	Units	90th Percentile Background Value	Maximum Background Value	Source of Background Values
Uranium-233/234	RAD	pCi/g	1.1	1.5	DOE/RL-96-12, Rev.0
Uranium-234	RAD	pCi/g	1.1	1.5	DOE/RL-96-12, Rev.0
Uranium-235	RAD	pCi/g	0.11	0.39	DOE/RL-96-12, Rev.0
Uranium-238	RAD	pCi/g	1.1	1.2	DOE/RL-96-12, Rev.0

DOE/RL-96-12, Revision 0, *Hanford Site Background: Part 2, Soil Background for Radionuclides*

Table 5. Distribution Coefficients for Radiological and Nonradiological Contaminants

Analyte	CAS Number	K_d (mL/g)
2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	131
2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	128
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	0.18
2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	0.030
2-Butanone	78-93-3	0.0045
2-Chlorophenol	95-57-8	0.39
3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	209
3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	128
4-Chloro-3-methylphenol	59-50-7	0.49
Acetone	67-64-1	5.75E-04
Aluminum	7429-90-5	1,500
Americium-241	14596-10-2	200
Amylene Hydrate	75-85-4	0.0041
Antimony	7440-36-0	45
Aroclor-1260	11096-82-5	822
Arsenic	7440-38-2	29
Barium	7440-39-3	41
Beryllium	7440-41-7	790
Bis(2-ethylhexyl) adipate	103-23-1	36
Bis(2-ethylhexyl) phthalate	117-81-7	111
Boron	7440-42-8	3.0
Butylbenzylphthalate	85-68-7	14
Cadmium	7440-43-9	6.7
Carbon-14	14762-75-5	0
Cesium-137	10045-97-3	50
Chloroform	67-66-3	0.053
Cobalt	7440-48-4	45
Cobalt-60	10198-40-0	50
Copper	7440-50-8	22
Cyanide	57-12-5	9.9
Diethylphthalate	84-66-2	0.082
Europium-152	14683-23-9	200
Europium-154	15585-10-1	200
Europium-155	14391-16-3	200
Fluoride	16984-48-8	150
Hexane	110-54-3	3.4
Hexavalent Chromium	18540-29-9	0.80
Iron	7439-89-6	25
Lithium	7439-93-2	300
Manganese	7439-96-5	65
Mercury	7439-97-6	52
Methylene chloride	75-09-2	0.010
Molybdenum	7439-98-7	20

Table 5. Distribution Coefficients for Radiological and Nonradiological Contaminants

Analyte	CAS Number	K_d (mL/g)
Nickel	7440-02-0	65
Nickel-63	13981-37-8	30
Nitrate	14797-55-8	0
Nitrite	14797-65-0	0
Nitrogen in Nitrite and Nitrate	NO2+NO3-N	0
n-Nitrosodi-n-propylamine	621-64-7	0.024
Phenol	108-95-2	0.029
Plutonium-238	13981-16-3	200
Plutonium-239/240	PU-239/240	200
Pyrene	129-00-0	68
Selenium	7782-49-2	5.0
Selenium-79	15758-45-9	5.0
Silver	7440-22-4	8.3
Strontium	7440-24-6	35
Strontium-90	10098-97-2	25
Styrene	100-42-5	0.91
Technetium-99	14133-76-7	0
Thallium	7440-28-0	71
Tin	7440-31-5	250
Tin-126	15832-50-5	31
Toluene	108-88-3	0.14
Tributyl phosphate	126-73-8	2.4
Trichloromonofluoromethane	75-69-4	0.044
Tritium	10028-17-8	0
Tungsten	7440-33-7	150
Uranium	7440-61-1	0
Uranium-233/234	U-233/234	0
Uranium-234	13966-29-5	0
Uranium-235	15117-96-1	0
Uranium-238	U-238	0
Vanadium	7440-62-2	1,000
Zinc	7440-66-6	62
Zirconium	7440-67-7	3,000

Reference

ECF-HANFORD-12-0023, *Groundwater and Surface Water Cleanup Levels and Distribution Coefficients for Nonradiological and Radiological Analytes in the 100 Areas and 300 Area*

Table 6. 200-IA-1 Operable Unit Nondetected Analytes for Human Health Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20
200-IA-1	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	10/22/2015	19	0	0	0.076	6.0
200-IA-1	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	10/22/2015	19	0	0	0.17	6.0
200-IA-1	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.096	0.14
200-IA-1	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	10/22/2015	19	0	0	0.14	6.0
200-IA-1	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	10/22/2015	11	0	0	0.18	6.0
200-IA-1	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	10/22/2015	20	0	0	0.18	6.0
200-IA-1	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	10/22/2015	28	0	0	75	380
200-IA-1	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	10/22/2015	27	0	0	97	380
200-IA-1	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	10/22/2015	19	0	0	0.044	6.0
200-IA-1	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	10/22/2015	11	0	0	0.18	6.0
200-IA-1	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	10/22/2015	11	0	0	0.18	6.0
200-IA-1	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	10/22/2015	19	0	0	103	380
200-IA-1	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	10/22/2015	20	0	0	103	380
200-IA-1	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	1-Butanol	71-36-3	ug/kg	10/28/2002	8/29/2010	13	0	0	8.5	26,000
200-IA-1	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10	11
200-IA-1	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	33091-17-7	ug/kg	8/17/2010	8/29/2010	8	0	0	1.60E-04	3.20E-04
200-IA-1	2,2',3,3',4,5,5'-Heptachlorobiphenyl	52663-74-8	ug/kg	8/17/2010	8/29/2010	8	0	0	2.70E-04	3.90E-04
200-IA-1	2,2',3,3',4,5',6-Heptachlorobiphenyl	40186-70-7	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	3.50E-04
200-IA-1	2,2',3,3',4,5'-Hexachlorobiphenyl	52663-66-8	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	5.50E-04
200-IA-1	2,2',3,3',4,6-Hexachlorobiphenyl	61798-70-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.60E-04	5.60E-04
200-IA-1	2,2',3,3',4-Pentachlorobiphenyl	52663-62-4	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	6.20E-04
200-IA-1	2,2',3,3',5,5'-Hexachlorobiphenyl	35694-04-3	ug/kg	8/17/2010	8/29/2010	8	0	0	3.30E-04	5.20E-04
200-IA-1	2,2',3,3',6,6'-Hexachlorobiphenyl	38411-22-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	3.70E-04
200-IA-1	2,2',3,3',6-Pentachlorobiphenyl	52663-60-2	ug/kg	8/17/2010	8/29/2010	8	0	0	3.40E-04	6.00E-04
200-IA-1	2,2',3,4,4',5,6,6'-Octachlorobiphenyl	74472-52-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.70E-04	3.30E-04
200-IA-1	2,2',3,4,4',5,6'-Heptachlorobiphenyl	60145-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	3.40E-04
200-IA-1	2,2',3,4,4',5,6-Heptachlorobiphenyl	74472-47-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	3.50E-04
200-IA-1	2,2',3,4,4',5-Hexachlorobiphenyl	35694-06-5	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	4.70E-04

Table 6. 200-IA-1 Operable Unit Nondetected Analytes for Human Health Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	2,2',3,4,4',6,6'-Heptachlorobiphenyl	74472-48-3	ug/kg	8/17/2010	8/29/2010	8	0	0	2.00E-04	2.90E-04
200-IA-1	2,2',3,4,5,6,6'-Heptachlorobiphenyl	74472-49-4	ug/kg	8/17/2010	8/29/2010	8	0	0	2.00E-04	2.80E-04
200-IA-1	2,2',3,4',5,6,6'-Heptachlorobiphenyl	74487-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	1.70E-04	2.40E-04
200-IA-1	2,2',3,4,5,6-Hexachlorobiphenyl	41411-61-4	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	5.40E-04
200-IA-1	2,2',3,4,5',6-Hexachlorobiphenyl	68194-14-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	4.70E-04
200-IA-1	2,2',3,4',5,6'-Hexachlorobiphenyl	74472-41-6	ug/kg	8/17/2010	8/29/2010	8	0	0	3.20E-04	5.00E-04
200-IA-1	2,2',3,4,6,6'-Hexachlorobiphenyl	74472-40-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	3.60E-04
200-IA-1	2,2',3,4',6,6'-Hexachlorobiphenyl	68194-08-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.20E-04	3.50E-04
200-IA-1	2,2',3,4,6'-Pentachlorobiphenyl	73575-57-2	ug/kg	8/17/2010	8/29/2010	8	0	0	3.30E-04	5.80E-04
200-IA-1	2,2',3',4,6-Pentachlorobiphenyl	60233-25-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.80E-04	5.00E-04
200-IA-1	2,2',3,4'-Tetrachlorobiphenyl	36559-22-5	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	7.90E-04
200-IA-1	2,2',3,5,5'-Pentachlorobiphenyl	52663-61-3	ug/kg	8/17/2010	8/29/2010	8	0	0	2.90E-04	5.10E-04
200-IA-1	2,2',3,5,6,6'-Hexachlorobiphenyl	68194-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	3.50E-04
200-IA-1	2,2',3,5,6'-Pentachlorobiphenyl	73575-55-0	ug/kg	8/17/2010	8/29/2010	8	0	0	3.30E-04	5.80E-04
200-IA-1	2,2',3,5,6-Pentachlorobiphenyl	73575-56-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.90E-04	5.10E-04
200-IA-1	2,2',3,5-Tetrachlorobiphenyl	70362-46-8	ug/kg	8/17/2010	8/29/2010	8	0	0	3.20E-04	7.30E-04
200-IA-1	2,2',3,6,6'-Pentachlorobiphenyl	73575-54-9	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	4.30E-04
200-IA-1	2,2',3,6'-Tetrachlorobiphenyl	41464-47-5	ug/kg	8/17/2010	8/29/2010	8	0	0	4.20E-04	9.50E-04
200-IA-1	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.00E-04	0.0012
200-IA-1	2,2',4,4',5,6'-Hexachlorobiphenyl	60145-22-4	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	4.10E-04
200-IA-1	2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.20E-04	3.40E-04
200-IA-1	2,2',4,4',6-Pentachlorobiphenyl	39485-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.90E-04	5.10E-04
200-IA-1	2,2',4,5,6-Pentachlorobiphenyl	68194-06-9	ug/kg	8/17/2010	8/29/2010	8	0	0	2.80E-04	5.00E-04
200-IA-1	2,2',4,5',6-Pentachlorobiphenyl	60145-21-3	ug/kg	8/17/2010	8/29/2010	8	0	0	2.90E-04	5.10E-04
200-IA-1	2,2',4,5-Tetrachlorobiphenyl	70362-47-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.40E-04	7.70E-04
200-IA-1	2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8	ug/kg	8/17/2010	8/29/2010	8	0	0	2.20E-04	3.80E-04
200-IA-1	2,2',6,6'-Tetrachlorobiphenyl	15968-05-5	ug/kg	8/17/2010	8/29/2010	8	0	0	3.20E-04	8.30E-04
200-IA-1	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	5.10E-04	0.0012
200-IA-1	2,3,3',4,4',5,5',6-Octachlorobiphenyl	74472-53-0	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.40E-04
200-IA-1	2,3,3',4,4',5,5'-Heptachlorobiphenyl	39635-31-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.40E-04	2.00E-04
200-IA-1	2,3,3',4,4',5',6-Heptachlorobiphenyl	74472-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	1.90E-04	2.70E-04
200-IA-1	2,3,3',4,5,5',6-Heptachlorobiphenyl	74472-51-8	ug/kg	8/17/2010	8/29/2010	8	0	0	2.10E-04	3.00E-04
200-IA-1	2,3,3',4,5,5'-Hexachlorobiphenyl	39635-35-3	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	3.60E-04

Table 6. 200-IA-1 Operable Unit Nondetected Analytes for Human Health Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	2,3,3',4',5,5'-Hexachlorobiphenyl	39635-34-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	3.60E-04
200-IA-1	2,3,3',4,5',6-Hexachlorobiphenyl	74472-43-8	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	3.60E-04
200-IA-1	2,3,3',4',5',6-Hexachlorobiphenyl	74472-45-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	3.80E-04
200-IA-1	2,3,3',4,5-Pentachlorobiphenyl	70424-69-0	ug/kg	8/17/2010	8/29/2010	8	0	0	1.60E-04	3.10E-04
200-IA-1	2,3,3',4',5-Pentachlorobiphenyl	70424-68-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.50E-04	3.00E-04
200-IA-1	2',3,3',4,5-Pentachlorobiphenyl	76842-07-4	ug/kg	8/17/2010	8/29/2010	8	0	0	1.70E-04	3.40E-04
200-IA-1	2,3,3',4-Tetrachlorobiphenyl	74338-24-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.70E-04	6.00E-04
200-IA-1	2,3,3',5,5',6-Hexachlorobiphenyl	74472-46-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	3.90E-04
200-IA-1	2,3,3',5,5'-Pentachlorobiphenyl	39635-32-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.00E-04	3.60E-04
200-IA-1	2,3,3',5,6-Pentachlorobiphenyl	74472-36-9	ug/kg	8/17/2010	8/29/2010	8	0	0	2.20E-04	3.90E-04
200-IA-1	2,3,3',5'-Tetrachlorobiphenyl	41464-49-7	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04
200-IA-1	2,3,3',5-Tetrachlorobiphenyl	70424-67-8	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04
200-IA-1	2,3,3',6-Tetrachlorobiphenyl	74472-33-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	5.50E-04
200-IA-1	2,3',4,4',5,5'-Hexachlorobiphenyl	52663-72-6	ug/kg	8/17/2010	8/29/2010	8	0	0	1.70E-04	2.70E-04
200-IA-1	2,3,4,4',5-Pentachlorobiphenyl	74472-37-0	ug/kg	8/17/2010	8/29/2010	8	0	0	1.40E-04	2.80E-04
200-IA-1	2',3,4,4',5-Pentachlorobiphenyl	65510-44-3	ug/kg	8/17/2010	8/29/2010	8	0	0	1.60E-04	3.00E-04
200-IA-1	2,3,4,4'-Tetrachlorobiphenyl	33025-41-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.80E-04
200-IA-1	2,3',4,5,5'-Pentachlorobiphenyl	68194-12-7	ug/kg	8/17/2010	8/29/2010	8	0	0	2.10E-04	3.70E-04
200-IA-1	2,3',4,5',6-Pentachlorobiphenyl	56558-18-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.10E-04	3.70E-04
200-IA-1	2,3,4',5-Tetrachlorobiphenyl	74472-34-7	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04
200-IA-1	2,3',4,5-Tetrachlorobiphenyl	73575-53-8	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.20E-04
200-IA-1	2,3,4,6-Tetrachlorobiphenyl	54230-22-7	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	5.50E-04
200-IA-1	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	2,3',5,5'-Tetrachlorobiphenyl	41464-42-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.60E-04
200-IA-1	2,3',5',6-Tetrachlorobiphenyl	74338-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	3.20E-04	7.30E-04
200-IA-1	2,3,5-Trichlorobiphenyl	55720-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.80E-04
200-IA-1	2',3,5-Trichlorobiphenyl	37680-68-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04
200-IA-1	2,3,6-Trichlorobiphenyl	55702-45-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	8.30E-04
200-IA-1	2,3',6-Trichlorobiphenyl	38444-76-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	7.10E-04
200-IA-1	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.10E-04	0.0019
200-IA-1	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.60E-04	0.0020
200-IA-1	2,4,4',6-Tetrachlorobiphenyl	32598-12-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	5.50E-04
200-IA-1	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	9/4/2003	6	0	0	17	19

Table 6. 200-IA-1 Operable Unit Nondetected Analytes for Human Health Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	10/22/2015	27	0	0	42	960
200-IA-1	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	7/21/2015	20	0	0	48	380
200-IA-1	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	9/4/2003	6	0	0	170	190
200-IA-1	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.30E-04	0.0020
200-IA-1	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	10/22/2015	19	0	0	82	380
200-IA-1	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	10/22/2015	19	0	0	68	380
200-IA-1	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	10/22/2015	19	0	0	103	960
200-IA-1	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	10/22/2015	28	0	0	37	380
200-IA-1	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	8.40E-04	0.0020
200-IA-1	2,6-bis(1,1-dimethylethyl)-4-methyl phenol	128-37-0	ug/kg	8/17/2010	8/29/2010	8	0	0	227	236
200-IA-1	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	9.00E-04	0.0021
200-IA-1	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	10/22/2015	19	0	0	68	380
200-IA-1	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	9/10/2003	4	0	0	100	100
200-IA-1	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	10/22/2015	19	0	0	10	380
200-IA-1	2-Hexanone	591-78-6	ug/kg	8/7/2000	10/22/2015	11	0	0	1.8	12
200-IA-1	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/17/2010	8/29/2010	8	0	0	92	94
200-IA-1	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	10/22/2015	19	0	0	10	380
200-IA-1	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	11/12/2015	51	0	0	34	380
200-IA-1	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	10/22/2015	19	0	0	68	960
200-IA-1	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	10/22/2015	27	0	0	52	380
200-IA-1	2-Nitropropane	79-46-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69
200-IA-1	2-Pentanone	107-87-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1
200-IA-1	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	3,3',4,4'-Tetrachlorobiphenyl	32598-13-3	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.50E-04
200-IA-1	3,3',4,5,5'-Pentachlorobiphenyl	39635-33-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.50E-04	3.00E-04
200-IA-1	3,3',4,5'-Tetrachlorobiphenyl	41464-48-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.20E-04
200-IA-1	3,3',4,5-Tetrachlorobiphenyl	70362-49-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04
200-IA-1	3,3',4-Trichlorobiphenyl	37680-69-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04
200-IA-1	3,3',5,5'-Tetrachlorobiphenyl	33284-52-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.20E-04	5.10E-04
200-IA-1	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04

Table 6. 200-IA-1 Operable Unit Nondetected Analytes for Human Health Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	10/22/2015	19	0	0	82	380
200-IA-1	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	3,4,4',5-Tetrachlorobiphenyl	70362-50-4	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04
200-IA-1	3,4,5-Trichlorobiphenyl	53555-66-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	6.00E-04
200-IA-1	3,4',5-Trichlorobiphenyl	38444-88-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04
200-IA-1	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019
200-IA-1	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019
200-IA-1	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	7.10E-04	0.0017
200-IA-1	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	11/12/2015	42	0	0	50	360
200-IA-1	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120
200-IA-1	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04
200-IA-1	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	10/22/2015	19	0	0	68	960
200-IA-1	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	8/29/2010	14	0	0	0.085	3.7
200-IA-1	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	8/29/2010	14	0	0	0.41	3.7
200-IA-1	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	8/29/2010	14	0	0	0.65	3.7
200-IA-1	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	8.80E-04	0.0023
200-IA-1	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	10/22/2015	19	0	0	103	960
200-IA-1	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	10/22/2015	19	0	0	68	380
200-IA-1	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	10/22/2015	19	0	0	95	380
200-IA-1	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	10/22/2015	19	0	0	68	380
200-IA-1	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	10/22/2015	19	0	0	1.4	12
200-IA-1	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380
200-IA-1	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.90E-04
200-IA-1	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	10/22/2015	19	0	0	103	960
200-IA-1	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	10/22/2015	20	0	0	103	960
200-IA-1	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Acenaphthene	83-32-9	ug/kg	8/7/2000	10/22/2015	28	0	0	10	380
200-IA-1	Acenaphthylene	208-96-8	ug/kg	8/7/2000	10/22/2015	19	0	0	10	380
200-IA-1	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105

Table 6. 200-IA-1 Operable Unit Nondetected Analytes for Human Health Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	Aldrin	309-00-2	ug/kg	4/4/2003	8/29/2010	14	0	0	0.32	1.9
200-IA-1	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122
200-IA-1	Alpha-BHC	319-84-6	ug/kg	4/4/2003	8/29/2010	14	0	0	0.14	1.9
200-IA-1	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	9/4/2003	6	0	0	1.7	1.9
200-IA-1	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Anthracene	120-12-7	ug/kg	8/7/2000	10/22/2015	19	0	0	10	380
200-IA-1	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/22/2015	16	0	0	3.4	51
200-IA-1	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/22/2015	16	0	0	3.4	100
200-IA-1	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/22/2015	16	0	0	3.4	51
200-IA-1	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/22/2015	16	0	0	3.4	51
200-IA-1	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/22/2015	16	0	0	3.4	51
200-IA-1	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/22/2015	16	0	0	3.4	51
200-IA-1	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	10/22/2015	6	0	0	3.4	51
200-IA-1	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	10/22/2015	6	0	0	3.4	51
200-IA-1	Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0	0.028	0.034
200-IA-1	Benzene	71-43-2	ug/kg	8/7/2000	10/22/2015	20	0	0	0.12	6.0
200-IA-1	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	10/22/2015	27	0	0	10	380
200-IA-1	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	10/22/2015	27	0	0	10	380
200-IA-1	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	10/22/2015	27	0	0	10	380
200-IA-1	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	10/22/2015	19	0	0	10	380
200-IA-1	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	10/22/2015	27	0	0	10	380
200-IA-1	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175
200-IA-1	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	7/21/2015	6	0	0	75	380
200-IA-1	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	8/29/2010	14	0	0	0.31	1.9
200-IA-1	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	10/22/2015	19	0	0	103	380
200-IA-1	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	10/22/2015	19	0	0	103	380
200-IA-1	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	10/22/2015	19	0	0	103	380
200-IA-1	Bismuth	7440-69-9	ug/kg	10/19/2001	7/21/2015	10	0	0	91	8,310
200-IA-1	Bromide	24959-67-9	ug/kg	4/4/2003	8/29/2010	9	0	0	567	900
200-IA-1	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	10/22/2015	11	0	0	0.18	6.0
200-IA-1	Bromoform	75-25-2	ug/kg	8/7/2000	10/22/2015	11	0	0	0.18	6.0

Table 6. 200-IA-1 Operable Unit Nondetected Analytes for Human Health Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	Bromomethane	74-83-9	ug/kg	8/7/2000	10/22/2015	11	0	0	0.18	12
200-IA-1	Carbazole	86-74-8	ug/kg	8/7/2000	10/22/2015	19	0	0	10	380
200-IA-1	Carbon disulfide	75-15-0	ug/kg	8/7/2000	10/22/2015	19	0	0	0.13	6.0
200-IA-1	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	10/22/2015	19	0	0	0.077	6.0
200-IA-1	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	8/29/2010	8	0	0	176	182
200-IA-1	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12
200-IA-1	Chlorobenzene	108-90-7	ug/kg	8/7/2000	10/22/2015	20	0	0	0.071	6.0
200-IA-1	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Chloroethane	75-00-3	ug/kg	8/7/2000	10/22/2015	11	0	0	0.18	12
200-IA-1	Chloroform	67-66-3	ug/kg	8/7/2000	10/22/2015	19	0	0	0.11	6.0
200-IA-1	Chloromethane	74-87-3	ug/kg	8/7/2000	10/22/2015	11	0	0	0.18	12
200-IA-1	Chrysene	218-01-9	ug/kg	8/7/2000	10/22/2015	27	0	0	10	380
200-IA-1	cis-1,2-Dichloroethylene	156-59-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.15	0.21
200-IA-1	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	10/22/2015	11	0	0	0.18	6.0
200-IA-1	Co-elution of PCB congeners BZ 108 and 124	PCB108/124	ug/kg	8/17/2010	8/29/2010	8	0	0	2.00E-04	3.00E-04
200-IA-1	Co-elution of PCB congeners BZ 134 and 143	PCB134/143	ug/kg	8/17/2010	8/29/2010	8	0	0	4.00E-04	6.00E-04
200-IA-1	Co-elution of PCB congeners BZ 139 and 140	PCB139/140	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	5.00E-04
200-IA-1	Co-elution of PCB congeners BZ 171 and 173	PCB171/173	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	4.00E-04
200-IA-1	Co-elution of PCB congeners BZ 40, 41, and 71	PCB40/41/71	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	8.00E-04
200-IA-1	Co-elution of PCB congeners BZ 50 and 53	PCB50/53	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	8.00E-04
200-IA-1	Co-elution of PCB congeners BZ 85, 116, and 117	PCB85/116/117	ug/kg	8/17/2010	8/29/2010	8	0	0	2.00E-04	4.00E-04
200-IA-1	Co-elution of PCB congeners BZ 88 and 91	PCB88/91	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	5.00E-04
200-IA-1	Curium-242	15510-73-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24
200-IA-1	Curium-243/244	CM-243/244	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24
200-IA-1	Cyclohexanone	108-94-1	ug/kg	8/17/2010	8/29/2010	8	0	0	537	558
200-IA-1	Dalapon	75-99-0	ug/kg	4/4/2003	9/4/2003	6	0	0	170	190
200-IA-1	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Delta-BHC	319-86-8	ug/kg	4/4/2003	8/29/2010	14	0	0	0.25	1.9
200-IA-1	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	10/22/2015	27	0	0	10	380
200-IA-1	Dibenzofuran	132-64-9	ug/kg	8/7/2000	10/22/2015	19	0	0	68	380
200-IA-1	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	10/22/2015	11	0	0	0.18	6.0

Table 6. 200-IA-1 Operable Unit Nondetected Analytes for Human Health Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	8/29/2010	8	0	0	870	920
200-IA-1	Dicamba	1918-00-9	ug/kg	4/4/2003	9/4/2003	6	0	0	69	75
200-IA-1	Dichloroprop	120-36-5	ug/kg	4/4/2003	9/4/2003	6	0	0	170	190
200-IA-1	Dieldrin	60-57-1	ug/kg	4/4/2003	8/29/2010	14	0	0	0.22	3.7
200-IA-1	Diethyl ether	60-29-7	ug/kg	4/4/2003	8/29/2010	12	0	0	0.21	5,000
200-IA-1	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	10/22/2015	19	0	0	68	380
200-IA-1	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	10/22/2015	27	0	0	46	380
200-IA-1	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	7/21/2015	8	0	0	17	105
200-IA-1	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Endosulfan I	959-98-8	ug/kg	4/4/2003	9/4/2003	6	0	0	1.7	1.9
200-IA-1	Endosulfan II	33213-65-9	ug/kg	4/4/2003	9/4/2003	6	0	0	3.4	3.7
200-IA-1	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	9/4/2003	6	0	0	3.4	3.7
200-IA-1	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	9/4/2003	6	0	0	3.4	3.7
200-IA-1	Endrin ketone	53494-70-5	ug/kg	4/4/2003	9/4/2003	6	0	0	3.4	3.7
200-IA-1	Endrin	72-20-8	ug/kg	4/4/2003	8/29/2010	14	0	0	0.14	3.7
200-IA-1	Ethyl acetate	141-78-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69
200-IA-1	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Ethylbenzene	100-41-4	ug/kg	8/7/2000	10/22/2015	19	0	0	0.088	6.0
200-IA-1	Ethylene glycol	107-21-1	ug/kg	4/4/2003	8/29/2010	12	0	0	5,000	14,000
200-IA-1	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Fluoranthene	206-44-0	ug/kg	8/7/2000	10/22/2015	27	0	0	10	380
200-IA-1	Fluorene	86-73-7	ug/kg	8/7/2000	10/22/2015	19	0	0	10	380
200-IA-1	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	8/29/2010	14	0	0	0.18	1.9
200-IA-1	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	0	6.4	6.4
200-IA-1	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	0	15	15
200-IA-1	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	8/29/2010	14	0	0	0.45	1.9
200-IA-1	Heptachlor	76-44-8	ug/kg	4/4/2003	8/29/2010	14	0	0	0.099	1.9
200-IA-1	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	10/22/2015	19	0	0	68	380
200-IA-1	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	10/22/2015	27	0	0	67	380
200-IA-1	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	10/22/2015	19	0	0	103	380
200-IA-1	Hexachloroethane	67-72-1	ug/kg	8/7/2000	10/22/2015	27	0	0	103	480

Table 6. 200-IA-1 Operable Unit Nondetected Analytes for Human Health Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4,000	4,050
200-IA-1	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	10/22/2015	27	0	0	10	380
200-IA-1	Iodine-129	15046-84-1	pCi/g	8/7/2000	10/22/2015	33	0	0	0.14	12
200-IA-1	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	443	460
200-IA-1	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	69	70
200-IA-1	Isophorone	78-59-1	ug/kg	8/7/2000	10/22/2015	19	0	0	68	380
200-IA-1	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Methanol	67-56-1	ug/kg	4/4/2003	9/10/2003	4	0	0	1,000	1,000
200-IA-1	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Methoxychlor	72-43-5	ug/kg	4/4/2003	9/4/2003	6	0	0	17	19
200-IA-1	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	630	680
200-IA-1	Naphthalene	91-20-3	ug/kg	8/7/2000	10/22/2015	27	0	0	10	380
200-IA-1	n-Butylbenzene	104-51-8	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1
200-IA-1	Neptunium-237	13994-20-2	pCi/g	10/19/2001	10/22/2015	27	0	0	0.017	0.69
200-IA-1	Nitrobenzene	98-95-3	ug/kg	8/7/2000	10/22/2015	27	0	0	62	380
200-IA-1	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	9/10/2003	10	0	0	68	380
200-IA-1	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	7/21/2015	10	0	0	103	191
200-IA-1	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	9/10/2003	13	0	0	680,000	748,000
200-IA-1	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	o-Xylene	95-47-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11

Table 6. 200-IA-1 Operable Unit Nondetected Analytes for Human Health Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	10/22/2015	20	0	0	103	960
200-IA-1	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Phenanthrene	85-01-8	ug/kg	8/7/2000	10/22/2015	19	0	0	10	380
200-IA-1	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3,440	3,490
200-IA-1	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Pyridine	110-86-1	ug/kg	10/28/2002	7/21/2015	11	0	0	63	380
200-IA-1	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	9/10/2003	4	0	0	0.0090	0.015
200-IA-1	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	10/22/2015	19	0	0	0.090	6.0
200-IA-1	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Tin-126	15832-50-5	pCi/g	10/28/2002	9/10/2003	5	0	0	0.090	0.20
200-IA-1	Total cresols	1319-77-3	ug/kg	8/17/2010	7/21/2015	10	0	0	103	107
200-IA-1	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	0	200,000	200,000
200-IA-1	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	8/29/2010	14	0	0	10	2,000
200-IA-1	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	10/22/2015	13	0	0	1,150	12,300
200-IA-1	Toxaphene	8001-35-2	ug/kg	4/4/2003	9/4/2003	6	0	0	170	190
200-IA-1	trans-1,2-Dichloroethylene	156-60-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.35
200-IA-1	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	10/22/2015	19	0	0	0.18	6.0
200-IA-1	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	9/4/2003	6	0	0	1.7	1.9
200-IA-1	Trichloroethene	79-01-6	ug/kg	8/7/2000	10/22/2015	20	0	0	0.100	6.0
200-IA-1	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11
200-IA-1	Vinyl chloride	75-01-4	ug/kg	8/7/2000	10/22/2015	19	0	0	0.14	12
200-IA-1	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	10/22/2015	19	0	0	0.17	6.0

Table 7. 200-IA-1 Operable Unit Nondetected Analytes for Kd Screening Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	9/1/2010	17	0	0	0.14	0.23
200-IA-1	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	10/22/2015	48	0	0	0.076	8.0
200-IA-1	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	10/22/2015	47	0	0	0.14	8.0
200-IA-1	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/kg	8/17/2010	9/1/2010	17	0	0	0.096	0.16
200-IA-1	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	10/22/2015	47	0	0	0.14	8.0
200-IA-1	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	10/22/2015	30	0	0	0.18	8.0
200-IA-1	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	10/22/2015	57	0	0	0.18	8.0
200-IA-1	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	10/22/2015	58	0	0	75	480
200-IA-1	1,2,4-Trimethylbenzene	95-63-6	ug/kg	2/13/2008	2/13/2008	1	0	0	0.22	0.22
200-IA-1	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	10/22/2015	57	0	0	97	480
200-IA-1	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	10/22/2015	47	0	0	0.044	8.0
200-IA-1	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	10/22/2015	30	0	0	0.18	8.0
200-IA-1	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	10/22/2015	30	0	0	0.18	8.0
200-IA-1	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	10/22/2015	40	0	0	103	480
200-IA-1	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	10/22/2015	41	0	0	103	480
200-IA-1	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	1-Butanol	71-36-3	ug/kg	10/28/2002	9/1/2010	33	0	0	3.4	26,000
200-IA-1	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10	11
200-IA-1	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	33091-17-7	ug/kg	8/17/2010	8/29/2010	8	0	0	1.60E-04	3.20E-04
200-IA-1	2,2',3,3',4,5,5'-Heptachlorobiphenyl	52663-74-8	ug/kg	8/17/2010	8/29/2010	8	0	0	2.70E-04	3.90E-04
200-IA-1	2,2',3,3',4,5',6-Heptachlorobiphenyl	40186-70-7	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	3.50E-04
200-IA-1	2,2',3,3',4,5'-Hexachlorobiphenyl	52663-66-8	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	5.50E-04
200-IA-1	2,2',3,3',4,6-Hexachlorobiphenyl	61798-70-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.60E-04	5.60E-04
200-IA-1	2,2',3,3',4-Pentachlorobiphenyl	52663-62-4	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	6.20E-04
200-IA-1	2,2',3,3',5,5'-Hexachlorobiphenyl	35694-04-3	ug/kg	8/17/2010	8/29/2010	8	0	0	3.30E-04	5.20E-04
200-IA-1	2,2',3,3',6,6'-Hexachlorobiphenyl	38411-22-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	3.70E-04
200-IA-1	2,2',3,3',6-Pentachlorobiphenyl	52663-60-2	ug/kg	8/17/2010	8/29/2010	8	0	0	3.40E-04	6.00E-04
200-IA-1	2,2',3,4,4',5,6,6'-Octachlorobiphenyl	74472-52-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.70E-04	3.30E-04
200-IA-1	2,2',3,4,4',5,6'-Heptachlorobiphenyl	60145-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	3.40E-04
200-IA-1	2,2',3,4,4',5,6-Heptachlorobiphenyl	74472-47-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	3.50E-04

Table 7. 200-IA-1 Operable Unit Nondetected Analytes for Kd Screening Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	2,2',3,4,4',5-Hexachlorobiphenyl	35694-06-5	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	4.70E-04
200-IA-1	2,2',3,4,4',6,6'-Heptachlorobiphenyl	74472-48-3	ug/kg	8/17/2010	8/29/2010	8	0	0	2.00E-04	2.90E-04
200-IA-1	2,2',3,4,5,6,6'-Heptachlorobiphenyl	74472-49-4	ug/kg	8/17/2010	8/29/2010	8	0	0	2.00E-04	2.80E-04
200-IA-1	2,2',3,4',5,6,6'-Heptachlorobiphenyl	74487-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	1.70E-04	2.40E-04
200-IA-1	2,2',3,4,5,6-Hexachlorobiphenyl	41411-61-4	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	5.40E-04
200-IA-1	2,2',3,4,5',6-Hexachlorobiphenyl	68194-14-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	4.70E-04
200-IA-1	2,2',3,4',5,6'-Hexachlorobiphenyl	74472-41-6	ug/kg	8/17/2010	8/29/2010	8	0	0	3.20E-04	5.00E-04
200-IA-1	2,2',3,4,6,6'-Hexachlorobiphenyl	74472-40-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	3.60E-04
200-IA-1	2,2',3,4',6,6'-Hexachlorobiphenyl	68194-08-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.20E-04	3.50E-04
200-IA-1	2,2',3,4,6'-Pentachlorobiphenyl	73575-57-2	ug/kg	8/17/2010	8/29/2010	8	0	0	3.30E-04	5.80E-04
200-IA-1	2,2',3',4,6-Pentachlorobiphenyl	60233-25-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.80E-04	5.00E-04
200-IA-1	2,2',3,4'-Tetrachlorobiphenyl	36559-22-5	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	7.90E-04
200-IA-1	2,2',3,5,5'-Pentachlorobiphenyl	52663-61-3	ug/kg	8/17/2010	8/29/2010	8	0	0	2.90E-04	5.10E-04
200-IA-1	2,2',3,5,6,6'-Hexachlorobiphenyl	68194-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	3.50E-04
200-IA-1	2,2',3,5,6'-Pentachlorobiphenyl	73575-55-0	ug/kg	8/17/2010	8/29/2010	8	0	0	3.30E-04	5.80E-04
200-IA-1	2,2',3,5,6-Pentachlorobiphenyl	73575-56-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.90E-04	5.10E-04
200-IA-1	2,2',3,5-Tetrachlorobiphenyl	70362-46-8	ug/kg	8/17/2010	8/29/2010	8	0	0	3.20E-04	7.30E-04
200-IA-1	2,2',3,6,6'-Pentachlorobiphenyl	73575-54-9	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	4.30E-04
200-IA-1	2,2',3,6'-Tetrachlorobiphenyl	41464-47-5	ug/kg	8/17/2010	8/29/2010	8	0	0	4.20E-04	9.50E-04
200-IA-1	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.00E-04	0.0012
200-IA-1	2,2',4,4',5,6'-Hexachlorobiphenyl	60145-22-4	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	4.10E-04
200-IA-1	2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.20E-04	3.40E-04
200-IA-1	2,2',4,4',6-Pentachlorobiphenyl	39485-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.90E-04	5.10E-04
200-IA-1	2,2',4,5,6-Pentachlorobiphenyl	68194-06-9	ug/kg	8/17/2010	8/29/2010	8	0	0	2.80E-04	5.00E-04
200-IA-1	2,2',4,5',6-Pentachlorobiphenyl	60145-21-3	ug/kg	8/17/2010	8/29/2010	8	0	0	2.90E-04	5.10E-04
200-IA-1	2,2',4,5-Tetrachlorobiphenyl	70362-47-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.40E-04	7.70E-04
200-IA-1	2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8	ug/kg	8/17/2010	8/29/2010	8	0	0	2.20E-04	3.80E-04
200-IA-1	2,2',6,6'-Tetrachlorobiphenyl	15968-05-5	ug/kg	8/17/2010	8/29/2010	8	0	0	3.20E-04	8.30E-04
200-IA-1	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	5.10E-04	0.0012
200-IA-1	2,3,3',4,4',5,5',6-Octachlorobiphenyl	74472-53-0	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.40E-04
200-IA-1	2,3,3',4,4',5,5'-Heptachlorobiphenyl	39635-31-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.40E-04	2.00E-04
200-IA-1	2,3,3',4,4',5',6-Heptachlorobiphenyl	74472-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	1.90E-04	2.70E-04
200-IA-1	2,3,3',4,5,5',6-Heptachlorobiphenyl	74472-51-8	ug/kg	8/17/2010	8/29/2010	8	0	0	2.10E-04	3.00E-04

Table 7. 200-IA-1 Operable Unit Nondetected Analytes for Kd Screening Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	2,3,3',4,5,5'-Hexachlorobiphenyl	39635-35-3	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	3.60E-04
200-IA-1	2,3,3',4',5,5'-Hexachlorobiphenyl	39635-34-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	3.60E-04
200-IA-1	2,3,3',4,5',6-Hexachlorobiphenyl	74472-43-8	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	3.60E-04
200-IA-1	2,3,3',4',5',6-Hexachlorobiphenyl	74472-45-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	3.80E-04
200-IA-1	2,3,3',4,5-Pentachlorobiphenyl	70424-69-0	ug/kg	8/17/2010	8/29/2010	8	0	0	1.60E-04	3.10E-04
200-IA-1	2,3,3',4',5-Pentachlorobiphenyl	70424-68-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.50E-04	3.00E-04
200-IA-1	2',3,3',4,5-Pentachlorobiphenyl	76842-07-4	ug/kg	8/17/2010	8/29/2010	8	0	0	1.70E-04	3.40E-04
200-IA-1	2,3,3',4-Tetrachlorobiphenyl	74338-24-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.70E-04	6.00E-04
200-IA-1	2,3,3',5,5',6-Hexachlorobiphenyl	74472-46-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	3.90E-04
200-IA-1	2,3,3',5,5'-Pentachlorobiphenyl	39635-32-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.00E-04	3.60E-04
200-IA-1	2,3,3',5,6-Pentachlorobiphenyl	74472-36-9	ug/kg	8/17/2010	8/29/2010	8	0	0	2.20E-04	3.90E-04
200-IA-1	2,3,3',5'-Tetrachlorobiphenyl	41464-49-7	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04
200-IA-1	2,3,3',5-Tetrachlorobiphenyl	70424-67-8	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04
200-IA-1	2,3,3',6-Tetrachlorobiphenyl	74472-33-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	5.50E-04
200-IA-1	2,3',4,4',5,5'-Hexachlorobiphenyl	52663-72-6	ug/kg	8/17/2010	8/29/2010	8	0	0	1.70E-04	2.70E-04
200-IA-1	2,3,4,4',5-Pentachlorobiphenyl	74472-37-0	ug/kg	8/17/2010	8/29/2010	8	0	0	1.40E-04	2.80E-04
200-IA-1	2',3,4,4',5-Pentachlorobiphenyl	65510-44-3	ug/kg	8/17/2010	8/29/2010	8	0	0	1.60E-04	3.00E-04
200-IA-1	2,3,4,4'-Tetrachlorobiphenyl	33025-41-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.80E-04
200-IA-1	2,3',4,5,5'-Pentachlorobiphenyl	68194-12-7	ug/kg	8/17/2010	8/29/2010	8	0	0	2.10E-04	3.70E-04
200-IA-1	2,3',4,5',6-Pentachlorobiphenyl	56558-18-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.10E-04	3.70E-04
200-IA-1	2,3,4',5-Tetrachlorobiphenyl	74472-34-7	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04
200-IA-1	2,3',4,5-Tetrachlorobiphenyl	73575-53-8	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.20E-04
200-IA-1	2,3,4,6-Tetrachlorobiphenyl	54230-22-7	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	5.50E-04
200-IA-1	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	2,3',5,5'-Tetrachlorobiphenyl	41464-42-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.60E-04
200-IA-1	2,3',5',6-Tetrachlorobiphenyl	74338-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	3.20E-04	7.30E-04
200-IA-1	2,3,5-Trichlorobiphenyl	55720-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.80E-04
200-IA-1	2',3,5-Trichlorobiphenyl	37680-68-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04
200-IA-1	2,3,6-Trichlorobiphenyl	55702-45-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	8.30E-04
200-IA-1	2,3',6-Trichlorobiphenyl	38444-76-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	7.10E-04
200-IA-1	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.10E-04	0.0019
200-IA-1	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.60E-04	0.0020
200-IA-1	2,4,4',6-Tetrachlorobiphenyl	32598-12-2	ug/kg	8/17/2010	8/29/2010	8	0	0	2.40E-04	5.50E-04

Table 7. 200-IA-1 Operable Unit Nondetected Analytes for Kd Screening Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	9/4/2003	6	0	0	17	19
200-IA-1	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	10/22/2015	57	0	0	42	1,200
200-IA-1	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	7/21/2015	50	0	0	48	480
200-IA-1	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	9/4/2003	6	0	0	170	190
200-IA-1	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.30E-04	0.0020
200-IA-1	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	10/22/2015	40	0	0	79	480
200-IA-1	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	10/22/2015	40	0	0	66	480
200-IA-1	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	10/22/2015	40	0	0	103	1,200
200-IA-1	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	10/22/2015	58	0	0	37	480
200-IA-1	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	8.40E-04	0.0020
200-IA-1	2,6-bis(1,1-dimethylethyl)-4-methyl phenol	128-37-0	ug/kg	8/17/2010	9/1/2010	17	0	0	227	236
200-IA-1	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	9.00E-04	0.0021
200-IA-1	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	10/22/2015	40	0	0	66	480
200-IA-1	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	6/26/2012	14	0	0	99	200
200-IA-1	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	10/22/2015	40	0	0	10	480
200-IA-1	2-Hexanone	591-78-6	ug/kg	8/7/2000	10/22/2015	30	0	0	0.28	18
200-IA-1	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	10/22/2015	40	0	0	10	480
200-IA-1	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	11/12/2015	82	0	0	34	480
200-IA-1	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	10/22/2015	40	0	0	66	1,200
200-IA-1	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	10/22/2015	57	0	0	52	480
200-IA-1	2-Nitropropane	79-46-9	ug/kg	8/17/2010	9/1/2010	17	0	0	0.48	0.80
200-IA-1	2-Pentanone	107-87-9	ug/kg	4/4/2003	9/10/2003	4	0	0	2.0	2.1
200-IA-1	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	3,3',4,4'-Tetrachlorobiphenyl	32598-13-3	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.50E-04
200-IA-1	3,3',4,5,5'-Pentachlorobiphenyl	39635-33-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.50E-04	3.00E-04
200-IA-1	3,3',4,5'-Tetrachlorobiphenyl	41464-48-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.20E-04
200-IA-1	3,3',4,5-Tetrachlorobiphenyl	70362-49-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04
200-IA-1	3,3',4-Trichlorobiphenyl	37680-69-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04
200-IA-1	3,3',5,5'-Tetrachlorobiphenyl	33284-52-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.20E-04	5.10E-04
200-IA-1	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04

Table 7. 200-IA-1 Operable Unit Nondetected Analytes for Kd Screening Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	10/22/2015	40	0	0	79	480
200-IA-1	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	3,4,4',5-Tetrachlorobiphenyl	70362-50-4	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04
200-IA-1	3,4,5-Trichlorobiphenyl	53555-66-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	6.00E-04
200-IA-1	3,4',5-Trichlorobiphenyl	38444-88-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04
200-IA-1	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019
200-IA-1	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019
200-IA-1	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	7.10E-04	0.0017
200-IA-1	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	11/12/2015	63	0	0	50	480
200-IA-1	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/17/2003	10	0	0	110	120
200-IA-1	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04
200-IA-1	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	10/22/2015	40	0	0	66	1,200
200-IA-1	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	8/29/2010	14	0	0	0.085	3.7
200-IA-1	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	8/29/2010	14	0	0	0.41	3.7
200-IA-1	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	8/29/2010	14	0	0	0.65	3.7
200-IA-1	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	8.80E-04	0.0023
200-IA-1	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	10/22/2015	40	0	0	103	1,200
200-IA-1	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	10/22/2015	40	0	0	66	480
200-IA-1	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	10/22/2015	40	0	0	92	480
200-IA-1	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	10/22/2015	40	0	0	66	480
200-IA-1	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	10/22/2015	48	0	0	0.77	18
200-IA-1	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	2	0	0	350	380
200-IA-1	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.90E-04
200-IA-1	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	10/22/2015	40	0	0	103	1,200
200-IA-1	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	10/22/2015	41	0	0	103	1,200
200-IA-1	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Acenaphthene	83-32-9	ug/kg	8/7/2000	10/22/2015	58	0	0	10	480
200-IA-1	Acenaphthylene	208-96-8	ug/kg	8/7/2000	10/22/2015	40	0	0	10	480
200-IA-1	Acetonitrile	75-05-8	ug/kg	2/13/2008	6/26/2012	2	0	0	2.0	2.0

Table 7. 200-IA-1 Operable Unit Nondetected Analytes for Kd Screening Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Aldrin	309-00-2	ug/kg	4/4/2003	8/29/2010	14	0	0	0.32	1.9
200-IA-1	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122
200-IA-1	Alpha-BHC	319-84-6	ug/kg	4/4/2003	8/29/2010	14	0	0	0.14	1.9
200-IA-1	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	9/4/2003	6	0	0	1.7	1.9
200-IA-1	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Anthracene	120-12-7	ug/kg	8/7/2000	10/22/2015	40	0	0	10	480
200-IA-1	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/22/2015	19	0	0	3.4	51
200-IA-1	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/22/2015	19	0	0	3.4	100
200-IA-1	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/22/2015	19	0	0	3.4	51
200-IA-1	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/22/2015	19	0	0	3.4	51
200-IA-1	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/22/2015	19	0	0	3.4	51
200-IA-1	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/22/2015	19	0	0	2.8	51
200-IA-1	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	10/22/2015	6	0	0	3.4	51
200-IA-1	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	10/22/2015	6	0	0	3.4	51
200-IA-1	Barium-133	13981-41-4	pCi/g	11/30/2000	3/27/2009	10	0	0	0.028	0.53
200-IA-1	Barium-140	14798-08-4	pCi/g	3/26/2009	3/27/2009	8	0	0	1.1	1.3
200-IA-1	Benzene	71-43-2	ug/kg	8/7/2000	10/22/2015	57	0	0	0.12	2,000
200-IA-1	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	10/22/2015	57	0	0	10	480
200-IA-1	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	10/22/2015	57	0	0	10	480
200-IA-1	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	10/22/2015	57	0	0	10	480
200-IA-1	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	10/22/2015	40	0	0	10	480
200-IA-1	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	10/22/2015	57	0	0	10	480
200-IA-1	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175
200-IA-1	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	7/21/2015	12	0	0	75	380
200-IA-1	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	8/29/2010	14	0	0	0.31	1.9
200-IA-1	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	10/22/2015	40	0	0	103	480
200-IA-1	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	10/22/2015	40	0	0	103	480
200-IA-1	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	10/22/2015	40	0	0	103	480
200-IA-1	Bromide	24959-67-9	ug/kg	4/4/2003	2/22/2016	58	0	0	150	100,000
200-IA-1	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	10/22/2015	31	0	0	0.18	8.0
200-IA-1	Bromoform	75-25-2	ug/kg	8/7/2000	10/22/2015	30	0	0	0.18	8.0

Table 7. 200-IA-1 Operable Unit Nondetected Analytes for Kd Screening Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	Bromomethane	74-83-9	ug/kg	8/7/2000	10/22/2015	30	0	0	0.18	15
200-IA-1	Cadmium-109	14109-32-1	pCi/g	3/26/2009	3/27/2009	8	0	0	3.4	4.5
200-IA-1	Carbazole	86-74-8	ug/kg	8/7/2000	10/22/2015	40	0	0	10	480
200-IA-1	Carbon disulfide	75-15-0	ug/kg	8/7/2000	10/22/2015	47	0	0	0.13	8.0
200-IA-1	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	10/22/2015	50	0	0	0.077	8.0
200-IA-1	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	9/1/2010	17	0	0	176	182
200-IA-1	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12
200-IA-1	Chlorobenzene	108-90-7	ug/kg	8/7/2000	10/22/2015	57	0	0	0.071	2,000
200-IA-1	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Chloroethane	75-00-3	ug/kg	8/7/2000	10/22/2015	30	0	0	0.18	15
200-IA-1	Chloromethane	74-87-3	ug/kg	8/7/2000	10/22/2015	30	0	0	0.18	15
200-IA-1	Chrysene	218-01-9	ug/kg	8/7/2000	10/22/2015	57	0	0	10	480
200-IA-1	cis-1,2-Dichloroethylene	156-59-2	ug/kg	2/13/2008	9/1/2010	18	0	0	0.15	0.43
200-IA-1	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	10/22/2015	30	0	0	0.18	8.0
200-IA-1	Cobalt-57	13981-50-5	pCi/g	3/26/2009	3/27/2009	8	0	0	0.14	0.18
200-IA-1	Cobalt-58	13981-38-9	pCi/g	3/26/2009	3/27/2009	8	0	0	0.29	0.37
200-IA-1	Co-elution of PCB congeners BZ 108 and 124	PCB108/124	ug/kg	8/17/2010	8/29/2010	8	0	0	2.00E-04	3.00E-04
200-IA-1	Co-elution of PCB congeners BZ 134 and 143	PCB134/143	ug/kg	8/17/2010	8/29/2010	8	0	0	4.00E-04	6.00E-04
200-IA-1	Co-elution of PCB congeners BZ 139 and 140	PCB139/140	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	5.00E-04
200-IA-1	Co-elution of PCB congeners BZ 171 and 173	PCB171/173	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	4.00E-04
200-IA-1	Co-elution of PCB congeners BZ 40, 41, and 71	PCB40/41/71	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	8.00E-04
200-IA-1	Co-elution of PCB congeners BZ 50 and 53	PCB50/53	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	8.00E-04
200-IA-1	Co-elution of PCB congeners BZ 85, 116, and 117	PCB85/116/117	ug/kg	8/17/2010	8/29/2010	8	0	0	2.00E-04	4.00E-04
200-IA-1	Co-elution of PCB congeners BZ 88 and 91	PCB88/91	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	5.00E-04
200-IA-1	Curium-242	15510-73-3	pCi/g	8/17/2010	2/22/2016	38	0	0	0.0051	0.26
200-IA-1	Curium-243/244	CM-243/244	pCi/g	8/17/2010	2/22/2016	38	0	0	0.0092	0.26
200-IA-1	Cyclohexanone	108-94-1	ug/kg	2/13/2008	6/26/2012	19	0	0	14	558
200-IA-1	Dalapon	75-99-0	ug/kg	4/4/2003	9/4/2003	6	0	0	170	190
200-IA-1	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Delta-BHC	319-86-8	ug/kg	4/4/2003	8/29/2010	14	0	0	0.25	1.9
200-IA-1	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	10/22/2015	57	0	0	10	480
200-IA-1	Dibenzofuran	132-64-9	ug/kg	8/7/2000	10/22/2015	40	0	0	66	480

Table 7. 200-IA-1 Operable Unit Nondetected Analytes for Kd Screening Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	10/22/2015	30	0	0	0.18	8.0
200-IA-1	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	9/1/2010	17	0	0	860	920
200-IA-1	Dicamba	1918-00-9	ug/kg	4/4/2003	9/4/2003	6	0	0	69	75
200-IA-1	Dichloroprop	120-36-5	ug/kg	4/4/2003	9/4/2003	6	0	0	170	190
200-IA-1	Dieldrin	60-57-1	ug/kg	4/4/2003	8/29/2010	14	0	0	0.22	3.7
200-IA-1	Diethyl ether	60-29-7	ug/kg	4/4/2003	6/26/2012	31	0	0	0.21	5,000
200-IA-1	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	10/22/2015	40	0	0	66	480
200-IA-1	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	10/22/2015	57	0	0	46	510
200-IA-1	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	7/21/2015	8	0	0	17	105
200-IA-1	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Dodecane	112-40-3	ug/kg	6/26/2012	6/26/2012	1	0	0	200	200
200-IA-1	Endosulfan I	959-98-8	ug/kg	4/4/2003	9/4/2003	6	0	0	1.7	1.9
200-IA-1	Endosulfan II	33213-65-9	ug/kg	4/4/2003	9/4/2003	6	0	0	3.4	3.7
200-IA-1	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	9/4/2003	6	0	0	3.4	3.7
200-IA-1	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	9/4/2003	6	0	0	3.4	3.7
200-IA-1	Endrin ketone	53494-70-5	ug/kg	4/4/2003	9/4/2003	6	0	0	3.4	3.7
200-IA-1	Endrin	72-20-8	ug/kg	4/4/2003	8/29/2010	14	0	0	0.14	3.7
200-IA-1	Ethyl acetate	141-78-6	ug/kg	8/17/2010	9/1/2010	17	0	0	0.48	0.80
200-IA-1	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Ethylbenzene	100-41-4	ug/kg	8/7/2000	10/22/2015	47	0	0	0.088	8.0
200-IA-1	Ethylene glycol	107-21-1	ug/kg	4/4/2003	9/1/2010	30	0	0	5,000	15,000
200-IA-1	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Fluoranthene	206-44-0	ug/kg	8/7/2000	10/22/2015	57	0	0	10	480
200-IA-1	Fluorene	86-73-7	ug/kg	8/7/2000	10/22/2015	40	0	0	10	480
200-IA-1	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	8/29/2010	14	0	0	0.18	1.9
200-IA-1	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	8/29/2010	14	0	0	0.45	1.9
200-IA-1	Heptachlor	76-44-8	ug/kg	4/4/2003	8/29/2010	14	0	0	0.099	1.9
200-IA-1	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	10/22/2015	40	0	0	66	480
200-IA-1	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	10/22/2015	57	0	0	67	480
200-IA-1	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	10/22/2015	40	0	0	103	480
200-IA-1	Hexachloroethane	67-72-1	ug/kg	8/7/2000	10/22/2015	56	0	0	103	490

Table 7. 200-IA-1 Operable Unit Nondetected Analytes for Kd Screening Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4,000	4,050
200-IA-1	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	10/22/2015	57	0	0	10	480
200-IA-1	Iodine-129	15046-84-1	pCi/g	8/7/2000	6/2/2016	100	0	0	0.066	12
200-IA-1	Iron-59	14596-12-4	pCi/g	3/26/2009	3/27/2009	8	0	0	0.61	0.77
200-IA-1	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	9/1/2010	17	0	0	443	460
200-IA-1	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	69	70
200-IA-1	Isophorone	78-59-1	ug/kg	8/7/2000	10/22/2015	40	0	0	66	480
200-IA-1	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Lanthanum-140	13981-28-7	pCi/g	3/26/2009	3/27/2009	8	0	0	0.31	0.38
200-IA-1	Manganese-54	13966-31-9	pCi/g	3/26/2009	3/27/2009	8	0	0	0.30	0.38
200-IA-1	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Methanol	67-56-1	ug/kg	4/4/2003	6/26/2012	14	0	0	430	1,000
200-IA-1	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Methoxychlor	72-43-5	ug/kg	4/4/2003	9/4/2003	6	0	0	17	19
200-IA-1	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	9/1/2010	17	0	0	630	680
200-IA-1	Naphthalene	91-20-3	ug/kg	8/7/2000	10/22/2015	58	0	0	10	480
200-IA-1	n-Butylbenzene	104-51-8	ug/kg	4/4/2003	6/26/2012	6	0	0	0.54	2.1
200-IA-1	Neptunium-237	13994-20-2	pCi/g	10/19/2001	6/2/2016	55	0	0	0.0087	1.0
200-IA-1	Nitrobenzene	98-95-3	ug/kg	8/7/2000	10/22/2015	57	0	0	62	480
200-IA-1	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	2/22/2010	31	0	0	66	480
200-IA-1	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	7/21/2015	19	0	0	103	191
200-IA-1	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105

Table 7. 200-IA-1 Operable Unit Nondetected Analytes for Kd Screening Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	9/10/2003	22	0	0	679,000	748,000
200-IA-1	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	o-Xylene	95-47-6	ug/kg	8/17/2010	9/1/2010	17	0	0	0.076	0.13
200-IA-1	Palladium	7440-05-3	ug/kg	2/19/2016	2/22/2016	4	0	0	2,440	2,630
200-IA-1	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	10/22/2015	41	0	0	103	1,200
200-IA-1	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Phenanthrene	85-01-8	ug/kg	8/7/2000	10/22/2015	40	0	0	10	480
200-IA-1	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Plutonium-241	14119-32-5	pCi/g	2/19/2016	2/22/2016	4	0	0	1.4	2.1
200-IA-1	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3,440	3,490
200-IA-1	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Protactinium-231	14331-85-2	pCi/g	6/26/2012	6/26/2012	1	0	0	0.082	0.082
200-IA-1	Pyridine	110-86-1	ug/kg	10/28/2002	7/21/2015	21	0	0	63	380
200-IA-1	Radium-226	13982-63-3	pCi/g	2/13/2008	2/13/2008	1	0	0	0.67	0.67
200-IA-1	Rhodium	7440-16-6	ug/kg	2/19/2016	2/22/2016	4	0	0	2,440	2,630
200-IA-1	Rubidium	7440-17-7	ug/kg	2/19/2016	2/22/2016	4	0	0	11,600	12,500
200-IA-1	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	3/27/2009	21	0	0	0.0080	0.33
200-IA-1	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Silver-108 metastable	14391-65-2	pCi/g	3/26/2009	3/27/2009	8	0	0	0.33	0.42
200-IA-1	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	10/22/2015	48	0	0	0.090	8.0
200-IA-1	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105
200-IA-1	Total cresols	1319-77-3	ug/kg	8/17/2010	7/21/2015	19	0	0	103	107
200-IA-1	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	8/29/2010	25	0	0	10	2,700
200-IA-1	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	6/2/2016	32	0	0	340	17,200
200-IA-1	Toxaphene	8001-35-2	ug/kg	4/4/2003	9/4/2003	6	0	0	170	190
200-IA-1	trans-1,2-Dichloroethylene	156-60-5	ug/kg	2/13/2008	9/1/2010	18	0	0	0.22	0.41
200-IA-1	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	10/22/2015	47	0	0	0.18	8.0

Table 7. 200-IA-1 Operable Unit Nondetected Analytes for Kd Screening Evaluation

Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximim MDL or MDA
200-IA-1	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	9/4/2003	6	0	0	1.7	1.9
200-IA-1	Trichloroethene	79-01-6	ug/kg	8/7/2000	10/22/2015	57	0	0	0.100	2,000
200-IA-1	Vinyl chloride	75-01-4	ug/kg	8/7/2000	10/22/2015	47	0	0	0.14	15
200-IA-1	Xenon-131 Metastable	14683-11-5	pCi/g	3/26/2009	3/27/2009	8	0	0	8.1	10
200-IA-1	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	10/22/2015	48	0	0	0.17	8.0

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2051-24-3	ug/kg	8/29/2010	1	0	3.20E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2051-24-3	ug/kg	8/29/2010	1	0	2.80E-04
200-E-115	C7680	B26C26	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9	ug/kg	8/27/2010	1	0	3.30E-04
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9	ug/kg	8/29/2010	1	0	3.20E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9	ug/kg	8/29/2010	1	0	2.50E-04
200-E-115	C7680	B26C26	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	ug/kg	8/27/2010	1	0	2.30E-04
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	ug/kg	8/29/2010	1	0	2.20E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	ug/kg	8/29/2010	1	0	1.90E-04
200-E-115	C7680	B26C26	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/27/2010	1	0	2.40E-04
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/29/2010	1	0	2.30E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/29/2010	1	0	1.80E-04
200-E-115	C7680	B26C26	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/27/2010	1	0	3.50E-04
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/29/2010	1	0	2.60E-04
200-E-115	C7680	B26C26	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/27/2010	1	0	2.50E-04
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/29/2010	1	0	2.00E-04
200-E-115	C7680	B26C26	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	ug/kg	8/27/2010	1	0	4.50E-04
200-E-115	C7680	B26C28	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	ug/kg	8/29/2010	1	0	4.40E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	ug/kg	8/29/2010	1	0	3.70E-04
200-E-115	C7680	B26C26	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/27/2010	1	0	2.50E-04
200-E-115	C7680	B26C28	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/29/2010	1	0	2.50E-04
200-E-115	C7680	B26C30	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/29/2010	1	0	2.00E-04
200-E-115	C7680	B26C26	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/27/2010	1	0	2.60E-04
200-E-115	C7680	B26C28	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/29/2010	1	0	2.20E-04
200-E-115	C7680	B26C30	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/29/2010	1	0	1.90E-04
200-E-115	C7680	B26C26	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/27/2010	1	0	2.50E-04
200-E-115	C7680	B26C28	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/29/2010	1	0	2.20E-04
200-E-115	C7680	B26C30	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/29/2010	1	0	1.90E-04
200-E-115	C7680	B26C26	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	ug/kg	8/27/2010	1	0	3.60E-04
200-E-115	C7680	B26C28	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	ug/kg	8/29/2010	1	0	3.40E-04
200-E-115	C7680	B26C30	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	ug/kg	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C26	2,2',3,3',4',5,6-Heptachlorobiphenyl	52663-70-4	ug/kg	8/27/2010	1	0	3.70E-04
200-E-115	C7680	B26C28	2,2',3,3',4',5,6-Heptachlorobiphenyl	52663-70-4	ug/kg	8/29/2010	1	0	3.50E-04
200-E-115	C7680	B26C30	2,2',3,3',4',5,6-Heptachlorobiphenyl	52663-70-4	ug/kg	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C26	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/27/2010	1	0	2.70E-04
200-E-115	C7680	B26C28	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/29/2010	1	0	2.50E-04
200-E-115	C7680	B26C30	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/29/2010	1	0	2.20E-04
200-E-115	C7680	B26C26	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/27/2010	1	0	5.40E-04
200-E-115	C7680	B26C28	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/29/2010	1	0	4.60E-04
200-E-115	C7680	B26C30	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26JK8	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/26/2010	1	0	3.40E-04
200-E-115	C7680	B26C26	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/27/2010	1	0	2.80E-04
200-E-115	C7680	B26C28	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C30	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/29/2010	1	0	2.10E-04
200-E-115	C7680	B26C26	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/27/2010	1	0	3.80E-04
200-E-115	C7680	B26C28	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/29/2010	1	0	3.50E-04
200-E-115	C7680	B26C30	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/29/2010	1	0	3.20E-04
200-E-115	C7680	B26C26	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/27/2010	1	0	2.80E-04
200-E-115	C7680	B26C28	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/29/2010	1	0	2.60E-04
200-E-115	C7680	B26C30	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C26	2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	ug/kg	8/27/2010	1	0	5.10E-04
200-E-115	C7680	B26C28	2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	ug/kg	8/29/2010	1	0	4.10E-04
200-E-115	C7680	B26C30	2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	ug/kg	8/29/2010	1	0	3.90E-04

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C26	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	ug/kg	8/27/2010	1	0	3.30E-04
200-E-115	C7680	B26C28	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	ug/kg	8/29/2010	1	0	2.80E-04
200-E-115	C7680	B26C30	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	ug/kg	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C26	2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	ug/kg	8/27/2010	1	0	3.20E-04
200-E-115	C7680	B26C28	2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	ug/kg	8/29/2010	1	0	2.70E-04
200-E-115	C7680	B26C26	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/27/2010	1	0	4.90E-04
200-E-115	C7680	B26C28	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/29/2010	1	0	4.20E-04
200-E-115	C7680	B26C30	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/29/2010	1	0	3.70E-04
200-E-115	C7680	B26JK8	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/26/2010	1	0	3.10E-04
200-E-115	C7680	B26C26	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/27/2010	1	0	4.50E-04
200-E-115	C7680	B26C28	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/29/2010	1	0	3.90E-04
200-E-115	C7680	B26C30	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/29/2010	1	0	3.30E-04
200-E-115	C7680	B26JK8	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/26/2010	1	0	2.90E-04
200-E-115	C7680	B26C26	2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	ug/kg	8/27/2010	1	0	5.10E-04
200-E-115	C7680	B26C28	2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	ug/kg	8/29/2010	1	0	4.10E-04
200-E-115	C7680	B26C30	2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	ug/kg	8/29/2010	1	0	3.90E-04
200-E-115	C7680	B26C26	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	ug/kg	8/27/2010	1	0	4.50E-04
200-E-115	C7680	B26C28	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	ug/kg	8/29/2010	1	0	3.70E-04
200-E-115	C7680	B26C30	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	ug/kg	8/29/2010	1	0	3.60E-04
200-E-115	C7680	B26C26	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/27/2010	1	0	6.00E-04
200-E-115	C7680	B26C28	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/29/2010	1	0	6.00E-04
200-E-115	C7680	B26C30	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/29/2010	1	0	5.70E-04
200-E-115	C7680	B26JK8	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/26/2010	1	0	4.90E-04
200-E-115	C7680	B26C26	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/27/2010	1	0	0.0015
200-E-115	C7680	B26C28	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/29/2010	1	0	0.0013
200-E-115	C7680	B26C30	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/29/2010	1	0	0.0013
200-E-115	C7680	B26JK9	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/26/2010	1	0	0.0013
200-E-115	C7680	B26C26	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/27/2010	1	0	2.70E-04
200-E-115	C7680	B26C28	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/29/2010	1	0	2.50E-04
200-E-115	C7680	B26C30	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/29/2010	1	0	2.30E-04
200-E-115	C7680	B26C26	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/27/2010	1	0	3.40E-04
200-E-115	C7680	B26C28	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/29/2010	1	0	2.90E-04
200-E-115	C7680	B26C30	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/29/2010	1	0	2.50E-04
200-E-115	C7680	B26JK8	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/26/2010	1	0	2.10E-04
200-E-115	C7680	B26C26	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/27/2010	1	0	2.50E-04
200-E-115	C7680	B26C28	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/29/2010	1	0	2.10E-04
200-E-115	C7680	B26C30	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/29/2010	1	0	2.00E-04
200-E-115	C7680	B26C26	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	ug/kg	8/27/2010	1	0	3.70E-04
200-E-115	C7680	B26C28	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	ug/kg	8/29/2010	1	0	3.40E-04
200-E-115	C7680	B26C30	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	ug/kg	8/29/2010	1	0	3.20E-04
200-E-115	C7680	B26C28	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/29/2010	1	0	2.10E-04
200-E-115	C7680	B26C26	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	ug/kg	8/27/2010	1	0	3.60E-04
200-E-115	C7680	B26C28	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	ug/kg	8/29/2010	1	0	3.30E-04
200-E-115	C7680	B26C30	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	ug/kg	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C28	2,3',4,5'-Tetrachlorobiphenyl	73575-52-7	ug/kg	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C26	2,3,4',6-Tetrachlorobiphenyl	52663-58-8	ug/kg	8/27/2010	1	0	3.40E-04
200-E-115	C7680	B26C28	2,3,4',6-Tetrachlorobiphenyl	52663-58-8	ug/kg	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C30	2,3,4',6-Tetrachlorobiphenyl	52663-58-8	ug/kg	8/29/2010	1	0	2.90E-04
200-E-115	C7680	B26C26	2,3,4'-Trichlorobiphenyl	38444-85-8	ug/kg	8/27/2010	1	0	3.60E-04
200-E-115	C7680	B26C30	2,3,4'-Trichlorobiphenyl	38444-85-8	ug/kg	8/29/2010	1	0	3.30E-04
200-E-115	C7680	B26C26	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/27/2010	1	0	3.20E-04
200-E-115	C7680	B26C28	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C30	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/29/2010	1	0	3.00E-04

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26JK8	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/26/2010	1	0	2.30E-04
200-E-115	C7680	B26C26	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/27/2010	1	0	4.20E-04
200-E-115	C7680	B26C28	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/29/2010	1	0	4.30E-04
200-E-115	C7680	B26C30	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26JK8	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/26/2010	1	0	3.40E-04
200-E-115	C7680	B26C30	2,4'-Dichlorobiphenyl	34883-43-7	ug/kg	8/29/2010	1	0	0.0011
200-E-115	C7680	B26C27	2-Butanone	78-93-3	ug/kg	8/27/2010	1	0	1.9
200-E-115	C7680	B26C29	2-Butanone	78-93-3	ug/kg	8/29/2010	1	0	1.8
200-E-115	C7680	B26C31	2-Butanone	78-93-3	ug/kg	8/29/2010	1	0	2.3
200-E-115	C7680	B26JL9	2-Butanone	78-93-3	ug/kg	8/26/2010	1	0	1.6
200-E-115	C7680	B26C26	2-Chlorophenol	95-57-8	ug/kg	8/27/2010	1	0	67
200-E-115	C7680	B26C28	2-Chlorophenol	95-57-8	ug/kg	8/29/2010	1	0	66
200-E-115	C7680	B26C30	2-Chlorophenol	95-57-8	ug/kg	8/29/2010	1	0	66
200-E-115	C7680	B26JK8	2-Chlorophenol	95-57-8	ug/kg	8/26/2010	1	0	64
200-E-115	C7680	B26C26	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/27/2010	1	0	1.00E-04
200-E-115	C7680	B26C28	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/29/2010	1	0	1.10E-04
200-E-115	C7680	B26C30	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/29/2010	1	0	9.20E-05
200-E-115	C7680	B26JK8	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/26/2010	1	0	7.90E-05
200-E-115	C7680	B26C26	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/27/2010	1	0	2.80E-04
200-E-115	C7680	B26C28	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C30	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/29/2010	1	0	2.10E-04
200-E-115	C7680	B26C26	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/27/2010	1	0	2.70E-04
200-E-115	C7680	B26C28	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C30	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/29/2010	1	0	2.20E-04
200-E-115	C7680	B26C26	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/27/2010	1	0	3.60E-04
200-E-115	C7680	B26C28	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/29/2010	1	0	3.50E-04
200-E-115	C7680	B26C30	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/29/2010	1	0	3.40E-04
200-E-115	C7680	B26JK8	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/26/2010	1	0	2.50E-04
200-E-115	C7680	B26C26	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/27/2010	1	0	43
200-E-115	C7680	B26C28	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/29/2010	1	0	43
200-E-115	C7680	B26C30	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/29/2010	1	0	43
200-E-115	C7680	B26JK8	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/26/2010	1	0	42
200-E-115	C7680	B26C26	Acetate	71-50-1	ug/kg	8/27/2010	1	0	60
200-E-115	C7680	B26JK8	Acetate	71-50-1	ug/kg	8/26/2010	1	0	59
200-E-115	C7680	B26C27	Acetone	67-64-1	ug/kg	8/27/2010	1	0	2.1
200-E-115	C7680	B26C29	Acetone	67-64-1	ug/kg	8/29/2010	1	0	2.0
200-E-115	C7680	B26C31	Acetone	67-64-1	ug/kg	8/29/2010	1	0	2.6
200-E-115	C7680	B26JL8	Acetone	67-64-1	ug/kg	8/26/2010	1	0	1.8
200-E-115	C7680	B26C26	Americium-241	14596-10-2	pCi/g	8/27/2010	1	0	0.50
200-E-115	C7680	B26C28	Americium-241	14596-10-2	pCi/g	8/29/2010	1	0	0.61
200-E-115	C7680	B26C30	Americium-241	14596-10-2	pCi/g	8/29/2010	1	0	0.56
200-E-115	C7680	B26JK9	Americium-241	14596-10-2	pCi/g	8/26/2010	1	0	0.45
200-E-115	C7680	B26C30	Ammonium ion	14798-03-9	ug/kg	8/29/2010	1	0	19,900
200-E-115	C7680	B26C26	Antimony-125	14234-35-6	pCi/g	8/27/2010	1	0	1.2
200-E-115	C7680	B26C28	Antimony-125	14234-35-6	pCi/g	8/29/2010	1	0	0.80
200-E-115	C7680	B26C30	Antimony-125	14234-35-6	pCi/g	8/29/2010	1	0	0.92
200-E-115	C7680	B26JK9	Antimony-125	14234-35-6	pCi/g	8/26/2010	1	0	0.71
200-E-115	C7680	B26C26	Aroclor-1260	11096-82-5	ug/kg	8/27/2010	1	0	20
200-E-115	C7680	B26C28	Aroclor-1260	11096-82-5	ug/kg	8/29/2010	1	0	20
200-E-115	C7680	B26C30	Aroclor-1260	11096-82-5	ug/kg	8/29/2010	1	0	19
200-E-115	C7680	B26JK9	Aroclor-1260	11096-82-5	ug/kg	8/26/2010	1	0	13
200-E-115	C7680	B26C28	Beryllium	7440-41-7	ug/kg	8/29/2010	1	0	100
200-E-115	C7680	B26C26	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/27/2010	1	0	590
200-E-115	C7680	B26C28	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/29/2010	1	0	589

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C30	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/29/2010	1	0	590
200-E-115	C7680	B26JK8	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/26/2010	1	0	568
200-E-115	C7680	B26C26	Butylbenzylphthalate	85-68-7	ug/kg	8/27/2010	1	0	50
200-E-115	C7680	B26C28	Butylbenzylphthalate	85-68-7	ug/kg	8/29/2010	1	0	50
200-E-115	C7680	B26C30	Butylbenzylphthalate	85-68-7	ug/kg	8/29/2010	1	0	50
200-E-115	C7680	B26JK8	Butylbenzylphthalate	85-68-7	ug/kg	8/26/2010	1	0	48
200-E-115	C7680	B26C26	Carbon-14	14762-75-5	pCi/g	8/27/2010	1	0	1.4
200-E-115	C7680	B26C28	Carbon-14	14762-75-5	pCi/g	8/29/2010	1	0	1.4
200-E-115	C7680	B26C30	Carbon-14	14762-75-5	pCi/g	8/29/2010	1	0	1.3
200-E-115	C7680	B26JK9	Carbon-14	14762-75-5	pCi/g	8/26/2010	1	0	1.4
200-E-115	C7680	B26C26	Cesium-137	10045-97-3	pCi/g	8/27/2010	1	0	0.58
200-E-115	C7680	B26C28	Cesium-137	10045-97-3	pCi/g	8/29/2010	1	0	0.38
200-E-115	C7680	B26C30	Cesium-137	10045-97-3	pCi/g	8/29/2010	1	0	0.46
200-E-115	C7680	B26JK9	Cesium-137	10045-97-3	pCi/g	8/26/2010	1	0	0.34
200-E-115	C7680	B26C26	Cobalt-60	10198-40-0	pCi/g	8/27/2010	1	0	0.44
200-E-115	C7680	B26C28	Cobalt-60	10198-40-0	pCi/g	8/29/2010	1	0	0.30
200-E-115	C7680	B26C30	Cobalt-60	10198-40-0	pCi/g	8/29/2010	1	0	0.35
200-E-115	C7680	B26JK9	Cobalt-60	10198-40-0	pCi/g	8/26/2010	1	0	0.28
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 110 and 115	PCB110/115	ug/kg	8/27/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 110 and 115	PCB110/115	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 128 and 166	PCB128/166	ug/kg	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 128 and 166	PCB128/166	ug/kg	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 128 and 166	PCB128/166	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 129, 138, 160, and 163	PCB129/138 /160+	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 147 and 149	PCB147/149	ug/kg	8/27/2010	1	0	5.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26JK8	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/26/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 18 and 30	PCB18/30	ug/kg	8/29/2010	1	0	5.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 180 and 193	PCB180/193	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 180 and 193	PCB180/193	ug/kg	8/29/2010	1	0	2.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 183 and 185	PCB183/185	ug/kg	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 183 and 185	PCB183/185	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 183 and 185	PCB183/185	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	ug/kg	8/27/2010	1	0	3.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	ug/kg	8/29/2010	1	0	3.00E-04

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 45 and 51	PCB45/51	ug/kg	8/27/2010	1	0	5.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 45 and 51	PCB45/51	ug/kg	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 49 and 69	PCB49/69	ug/kg	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 49 and 69	PCB49/69	ug/kg	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 61, 70, 74, and 76	PCB61/70/74/76	ug/kg	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 61, 70, 74, and 76	PCB61/70/74/76	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26JK8	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/26/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26JK8	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/26/2010	1	0	2.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 90, 101, and 113	PCB90/101/113	ug/kg	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 90, 101, and 113	PCB90/101/113	ug/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Cyanide	57-12-5	ug/kg	8/27/2010	1	0	2,640
200-E-115	C7680	B26C28	Cyanide	57-12-5	ug/kg	8/29/2010	1	0	2,600
200-E-115	C7680	B26C30	Cyanide	57-12-5	ug/kg	8/29/2010	1	0	2,640
200-E-115	C7680	B26JK9	Cyanide	57-12-5	ug/kg	8/26/2010	1	0	2,640
200-E-115	C7680	B26C26	Di-n-butylphthalate	84-74-2	ug/kg	8/27/2010	1	0	562
200-E-115	C7680	B26C28	Di-n-butylphthalate	84-74-2	ug/kg	8/29/2010	1	0	562
200-E-115	C7680	B26C30	Di-n-butylphthalate	84-74-2	ug/kg	8/29/2010	1	0	562
200-E-115	C7680	B26C26	Europium-152	14683-23-9	pCi/g	8/27/2010	1	0	2.0
200-E-115	C7680	B26C28	Europium-152	14683-23-9	pCi/g	8/29/2010	1	0	1.5
200-E-115	C7680	B26C30	Europium-152	14683-23-9	pCi/g	8/29/2010	1	0	1.8
200-E-115	C7680	B26JK9	Europium-152	14683-23-9	pCi/g	8/26/2010	1	0	1.4
200-E-115	C7680	B26C26	Europium-154	15585-10-1	pCi/g	8/27/2010	1	0	1.5
200-E-115	C7680	B26C28	Europium-154	15585-10-1	pCi/g	8/29/2010	1	0	1.0
200-E-115	C7680	B26C30	Europium-154	15585-10-1	pCi/g	8/29/2010	1	0	1.2
200-E-115	C7680	B26JK9	Europium-154	15585-10-1	pCi/g	8/26/2010	1	0	0.89
200-E-115	C7680	B26C26	Europium-155	14391-16-3	pCi/g	8/27/2010	1	0	0.72
200-E-115	C7680	B26C28	Europium-155	14391-16-3	pCi/g	8/29/2010	1	0	0.50
200-E-115	C7680	B26C30	Europium-155	14391-16-3	pCi/g	8/29/2010	1	0	0.59
200-E-115	C7680	B26JK9	Europium-155	14391-16-3	pCi/g	8/26/2010	1	0	0.46
200-E-115	C7680	B26C26	Mercury	7439-97-6	ug/kg	8/27/2010	1	0	9.5
200-E-115	C7680	B26C28	Mercury	7439-97-6	ug/kg	8/29/2010	1	0	9.1
200-E-115	C7680	B26C30	Mercury	7439-97-6	ug/kg	8/29/2010	1	0	9.1
200-E-115	C7680	B26JK8	Mercury	7439-97-6	ug/kg	8/26/2010	1	0	9.4
200-E-115	C7680	B26C27	Methylene chloride	75-09-2	ug/kg	8/27/2010	1	0	0.061
200-E-115	C7680	B26C29	Methylene chloride	75-09-2	ug/kg	8/29/2010	1	0	0.059
200-E-115	C7680	B26C31	Methylene chloride	75-09-2	ug/kg	8/29/2010	1	0	0.075
200-E-115	C7680	B26JL8	Methylene chloride	75-09-2	ug/kg	8/26/2010	1	0	0.053
200-E-115	C7680	B26C26	Molybdenum	7439-98-7	ug/kg	8/27/2010	1	0	2,000
200-E-115	C7680	B26C28	Molybdenum	7439-98-7	ug/kg	8/29/2010	1	0	1,990
200-E-115	C7680	B26C30	Molybdenum	7439-98-7	ug/kg	8/29/2010	1	0	1,970
200-E-115	C7680	B26JK9	Molybdenum	7439-98-7	ug/kg	8/26/2010	1	0	1,970

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C26	Nickel-63	13981-37-8	pCi/g	8/27/2010	1	0	4.7
200-E-115	C7680	B26C28	Nickel-63	13981-37-8	pCi/g	8/29/2010	1	0	5.9
200-E-115	C7680	B26C30	Nickel-63	13981-37-8	pCi/g	8/29/2010	1	0	5.4
200-E-115	C7680	B26JK9	Nickel-63	13981-37-8	pCi/g	8/26/2010	1	0	5.7
200-E-115	C7680	B26C26	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/27/2010	1	0	58
200-E-115	C7680	B26C28	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/29/2010	1	0	58
200-E-115	C7680	B26C30	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/29/2010	1	0	58
200-E-115	C7680	B26JK8	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/26/2010	1	0	56
200-E-115	C7680	B26C28	Oxalate	338-70-5	ug/kg	8/29/2010	1	0	226
200-E-115	C7680	B26C30	Oxalate	338-70-5	ug/kg	8/29/2010	1	0	231
200-E-115	C7680	B26JK8	Oxalate	338-70-5	ug/kg	8/26/2010	1	0	227
200-E-115	C7680	B26C26	Plutonium-238	13981-16-3	pCi/g	8/27/2010	1	0	0.29
200-E-115	C7680	B26C28	Plutonium-238	13981-16-3	pCi/g	8/29/2010	1	0	0.32
200-E-115	C7680	B26C30	Plutonium-238	13981-16-3	pCi/g	8/29/2010	1	0	0.34
200-E-115	C7680	B26JK8	Plutonium-238	13981-16-3	pCi/g	8/26/2010	1	0	0.31
200-E-115	C7680	B26C26	Plutonium-239/240	PU-239/240	pCi/g	8/27/2010	1	0	0.29
200-E-115	C7680	B26C28	Plutonium-239/240	PU-239/240	pCi/g	8/29/2010	1	0	0.32
200-E-115	C7680	B26C30	Plutonium-239/240	PU-239/240	pCi/g	8/29/2010	1	0	0.34
200-E-115	C7680	B26JK8	Plutonium-239/240	PU-239/240	pCi/g	8/26/2010	1	0	0.31
200-E-115	C7680	B26C26	Pyrene	129-00-0	ug/kg	8/27/2010	1	0	63
200-E-115	C7680	B26C28	Pyrene	129-00-0	ug/kg	8/29/2010	1	0	63
200-E-115	C7680	B26C30	Pyrene	129-00-0	ug/kg	8/29/2010	1	0	63
200-E-115	C7680	B26JK8	Pyrene	129-00-0	ug/kg	8/26/2010	1	0	61
200-E-115	C7680	B26C30	Selenium-79	15758-45-9	pCi/g	8/29/2010	1	0	2.0
200-E-115	C7680	B26JK8	Selenium-79	15758-45-9	pCi/g	8/26/2010	1	0	1.8
200-E-115	C7680	B26C26	Strontium-90	10098-97-2	pCi/g	8/27/2010	1	0	0.57
200-E-115	C7680	B26C28	Strontium-90	10098-97-2	pCi/g	8/29/2010	1	0	0.24
200-E-115	C7680	B26C30	Strontium-90	10098-97-2	pCi/g	8/29/2010	1	0	0.19
200-E-115	C7680	B26JK8	Strontium-90	10098-97-2	pCi/g	8/26/2010	1	0	0.19
200-E-115	C7680	B26C29	Styrene	100-42-5	ug/kg	8/29/2010	1	0	0.32
200-E-115	C7680	B26C29	Toluene	108-88-3	ug/kg	8/29/2010	1	0	0.52
200-E-115	C7680	B26C26	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/27/2010	1	0	1,100
200-E-115	C7680	B26C28	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/29/2010	1	0	1,100
200-E-115	C7680	B26C30	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/29/2010	1	0	1,100
200-E-115	C7680	B26JK9	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/26/2010	1	0	690
200-E-115	C7680	B26C26	Tributyl phosphate	126-73-8	ug/kg	8/27/2010	1	0	108
200-E-115	C7680	B26C28	Tributyl phosphate	126-73-8	ug/kg	8/29/2010	1	0	108
200-E-115	C7680	B26C30	Tributyl phosphate	126-73-8	ug/kg	8/29/2010	1	0	108
200-E-115	C7680	B26JK9	Tributyl phosphate	126-73-8	ug/kg	8/26/2010	1	0	104
200-E-115	C7680	B26C26	Tritium	10028-17-8	pCi/g	8/27/2010	1	0	62
200-E-115	C7680	B26C28	Tritium	10028-17-8	pCi/g	8/29/2010	1	0	64
200-E-115	C7680	B26C30	Tritium	10028-17-8	pCi/g	8/29/2010	1	0	51
200-E-115	C7682	B26C53	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2051-24-3	ug/kg	8/19/2010	1	0	5.10E-04
200-E-115	C7682	B26C51	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9	ug/kg	8/18/2010	1	0	2.10E-04
200-E-115	C7682	B26C53	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9	ug/kg	8/19/2010	1	0	4.10E-04
200-E-115	C7682	B26C47	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	ug/kg	8/18/2010	1	0	2.30E-04
200-E-115	C7682	B26C51	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	ug/kg	8/18/2010	1	0	1.50E-04
200-E-115	C7682	B26C53	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	ug/kg	8/19/2010	1	0	2.00E-04
200-E-115	C7682	B26C47	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/18/2010	1	0	2.20E-04
200-E-115	C7682	B26C51	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/18/2010	1	0	1.50E-04
200-E-115	C7682	B26C53	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/19/2010	1	0	2.90E-04

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26JL0	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/17/2010	1	0	1.50E-04
200-E-115	C7682	B26C47	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/18/2010	1	0	3.30E-04
200-E-115	C7682	B26C51	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/18/2010	1	0	2.20E-04
200-E-115	C7682	B26C53	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/19/2010	1	0	2.90E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/17/2010	1	0	2.40E-04
200-E-115	C7682	B26C47	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/18/2010	1	0	2.50E-04
200-E-115	C7682	B26C51	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/18/2010	1	0	1.60E-04
200-E-115	C7682	B26C53	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/19/2010	1	0	2.20E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/17/2010	1	0	2.00E-04
200-E-115	C7682	B26C47	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	ug/kg	8/18/2010	1	0	4.10E-04
200-E-115	C7682	B26C51	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	ug/kg	8/18/2010	1	0	3.20E-04
200-E-115	C7682	B26C53	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	ug/kg	8/19/2010	1	0	4.30E-04
200-E-115	C7682	B26C47	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/18/2010	1	0	2.40E-04
200-E-115	C7682	B26C51	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/18/2010	1	0	1.60E-04
200-E-115	C7682	B26C53	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/19/2010	1	0	3.00E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/17/2010	1	0	1.60E-04
200-E-115	C7682	B26C47	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/18/2010	1	0	2.40E-04
200-E-115	C7682	B26C51	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/18/2010	1	0	1.60E-04
200-E-115	C7682	B26C53	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/19/2010	1	0	2.10E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/17/2010	1	0	1.80E-04
200-E-115	C7682	B26C47	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/18/2010	1	0	2.40E-04
200-E-115	C7682	B26C51	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/18/2010	1	0	1.50E-04
200-E-115	C7682	B26C53	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/19/2010	1	0	2.00E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/17/2010	1	0	1.70E-04
200-E-115	C7682	B26C47	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	ug/kg	8/18/2010	1	0	3.30E-04
200-E-115	C7682	B26C51	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	ug/kg	8/18/2010	1	0	2.60E-04
200-E-115	C7682	B26C53	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	ug/kg	8/19/2010	1	0	3.50E-04
200-E-115	C7682	B26C47	2,2',3,3',4',5,6-Heptachlorobiphenyl	52663-70-4	ug/kg	8/18/2010	1	0	3.40E-04
200-E-115	C7682	B26C51	2,2',3,3',4',5,6-Heptachlorobiphenyl	52663-70-4	ug/kg	8/18/2010	1	0	2.60E-04
200-E-115	C7682	B26C53	2,2',3,3',4',5,6-Heptachlorobiphenyl	52663-70-4	ug/kg	8/19/2010	1	0	3.60E-04
200-E-115	C7682	B26C47	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/18/2010	1	0	2.40E-04
200-E-115	C7682	B26C51	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/18/2010	1	0	1.90E-04
200-E-115	C7682	B26C53	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/19/2010	1	0	2.60E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/17/2010	1	0	2.50E-04
200-E-115	C7682	B26C47	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/18/2010	1	0	4.10E-04
200-E-115	C7682	B26C51	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/18/2010	1	0	3.50E-04
200-E-115	C7682	B26C53	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/19/2010	1	0	4.90E-04
200-E-115	C7682	B26C47	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/18/2010	1	0	2.70E-04
200-E-115	C7682	B26C51	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/18/2010	1	0	1.70E-04
200-E-115	C7682	B26C53	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/19/2010	1	0	2.30E-04
200-E-115	C7682	B26JL0	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/17/2010	1	0	1.90E-04
200-E-115	C7682	B26C47	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/18/2010	1	0	3.40E-04
200-E-115	C7682	B26C51	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/18/2010	1	0	2.70E-04
200-E-115	C7682	B26C53	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/19/2010	1	0	3.60E-04
200-E-115	C7682	B26JL0	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/17/2010	1	0	3.60E-04
200-E-115	C7682	B26C47	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/18/2010	1	0	2.50E-04
200-E-115	C7682	B26C51	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C53	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/19/2010	1	0	2.70E-04
200-E-115	C7682	B26JL0	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/17/2010	1	0	2.60E-04
200-E-115	C7682	B26C53	2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	ug/kg	8/19/2010	1	0	4.90E-04
200-E-115	C7682	B26C47	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	ug/kg	8/18/2010	1	0	3.10E-04
200-E-115	C7682	B26C51	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	ug/kg	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C53	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	ug/kg	8/19/2010	1	0	2.70E-04
200-E-115	C7682	B26C47	2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	ug/kg	8/18/2010	1	0	2.90E-04

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C53	2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	ug/kg	8/19/2010	1	0	3.10E-04
200-E-115	C7682	B26C47	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/18/2010	1	0	3.80E-04
200-E-115	C7682	B26C51	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/18/2010	1	0	3.20E-04
200-E-115	C7682	B26C53	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/19/2010	1	0	4.50E-04
200-E-115	C7682	B26C47	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/18/2010	1	0	3.50E-04
200-E-115	C7682	B26C51	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/19/2010	1	0	4.10E-04
200-E-115	C7682	B26C53	2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	ug/kg	8/19/2010	1	0	4.90E-04
200-E-115	C7682	B26C47	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	ug/kg	8/18/2010	1	0	3.80E-04
200-E-115	C7682	B26C47	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/18/2010	1	0	5.10E-04
200-E-115	C7682	B26C51	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/18/2010	1	0	4.70E-04
200-E-115	C7682	B26C53	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/19/2010	1	0	9.90E-04
200-E-115	C7682	B26C47	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/18/2010	1	0	0.0014
200-E-115	C7682	B26C51	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/18/2010	1	0	0.0010
200-E-115	C7682	B26C53	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/19/2010	1	0	0.0022
200-E-115	C7682	B26C47	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/18/2010	1	0	2.40E-04
200-E-115	C7682	B26C51	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/18/2010	1	0	1.90E-04
200-E-115	C7682	B26C53	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/19/2010	1	0	2.60E-04
200-E-115	C7682	B26JL0	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/17/2010	1	0	2.60E-04
200-E-115	C7682	B26C47	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/18/2010	1	0	2.60E-04
200-E-115	C7682	B26C51	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/18/2010	1	0	2.20E-04
200-E-115	C7682	B26C53	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/19/2010	1	0	3.10E-04
200-E-115	C7682	B26C47	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/18/2010	1	0	1.90E-04
200-E-115	C7682	B26C53	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/19/2010	1	0	3.00E-04
200-E-115	C7682	B26C47	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	ug/kg	8/18/2010	1	0	3.20E-04
200-E-115	C7682	B26C51	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	ug/kg	8/18/2010	1	0	2.70E-04
200-E-115	C7682	B26C53	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	ug/kg	8/19/2010	1	0	5.70E-04
200-E-115	C7682	B26C53	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/19/2010	1	0	2.80E-04
200-E-115	C7682	B26C47	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	ug/kg	8/18/2010	1	0	3.10E-04
200-E-115	C7682	B26C47	2,3',4,5'-Tetrachlorobiphenyl	73575-52-7	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26JL0	2,3',4,5'-Tetrachlorobiphenyl	73575-52-7	ug/kg	8/17/2010	1	0	2.50E-04
200-E-115	C7682	B26C47	2,3,4',6-Tetrachlorobiphenyl	52663-58-8	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	2,3,4'-Trichlorobiphenyl	38444-85-8	ug/kg	8/19/2010	1	0	5.70E-04
200-E-115	C7682	B26C47	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/18/2010	1	0	2.30E-04
200-E-115	C7682	B26JL0	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/17/2010	1	0	2.30E-04
200-E-115	C7682	B26C47	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/18/2010	1	0	3.60E-04
200-E-115	C7682	B26C51	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/18/2010	1	0	3.30E-04
200-E-115	C7682	B26JL0	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/17/2010	1	0	2.90E-04
200-E-115	C7682	B26C48	2-Butanone	78-93-3	ug/kg	8/18/2010	1	0	1.7
200-E-115	C7682	B26C50	2-Butanone	78-93-3	ug/kg	8/18/2010	1	0	2.0
200-E-115	C7682	B26C54	2-Butanone	78-93-3	ug/kg	8/19/2010	1	0	2.2
200-E-115	C7682	B26JM1	2-Butanone	78-93-3	ug/kg	8/17/2010	1	0	1.7
200-E-115	C7682	B26C47	2-Chlorophenol	95-57-8	ug/kg	8/18/2010	1	0	66
200-E-115	C7682	B26C51	2-Chlorophenol	95-57-8	ug/kg	8/18/2010	1	0	67
200-E-115	C7682	B26C53	2-Chlorophenol	95-57-8	ug/kg	8/19/2010	1	0	66
200-E-115	C7682	B26JL1	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	1	0	66
200-E-115	C7682	B26C51	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/18/2010	1	0	1.00E-04
200-E-115	C7682	B26C53	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/19/2010	1	0	1.80E-04
200-E-115	C7682	B26JL0	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/17/2010	1	0	9.40E-05
200-E-115	C7682	B26C47	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C51	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/18/2010	1	0	1.80E-04
200-E-115	C7682	B26C53	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/19/2010	1	0	2.60E-04
200-E-115	C7682	B26JL1	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/17/2010	1	0	2.20E-04

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C47	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C51	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/18/2010	1	0	1.60E-04
200-E-115	C7682	B26C53	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/19/2010	1	0	3.20E-04
200-E-115	C7682	B26JL1	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/17/2010	1	0	2.00E-04
200-E-115	C7682	B26C47	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/18/2010	1	0	3.30E-04
200-E-115	C7682	B26C51	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/18/2010	1	0	2.60E-04
200-E-115	C7682	B26C53	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/19/2010	1	0	5.90E-04
200-E-115	C7682	B26C47	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/18/2010	1	0	43
200-E-115	C7682	B26C51	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/18/2010	1	0	43
200-E-115	C7682	B26C53	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/19/2010	1	0	43
200-E-115	C7682	B26JL1	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	1	0	43
200-E-115	C7682	B26C47	Acetate	71-50-1	ug/kg	8/18/2010	1	0	60
200-E-115	C7682	B26C48	Acetone	67-64-1	ug/kg	8/18/2010	1	0	1.9
200-E-115	C7682	B26C50	Acetone	67-64-1	ug/kg	8/18/2010	1	0	2.2
200-E-115	C7682	B26C54	Acetone	67-64-1	ug/kg	8/19/2010	1	0	2.4
200-E-115	C7682	B26JM1	Acetone	67-64-1	ug/kg	8/17/2010	1	0	1.9
200-E-115	C7682	B26C47	Americium-241	14596-10-2	pCi/g	8/18/2010	1	0	0.46
200-E-115	C7682	B26C51	Americium-241	14596-10-2	pCi/g	8/18/2010	1	0	0.59
200-E-115	C7682	B26C53	Americium-241	14596-10-2	pCi/g	8/19/2010	1	0	0.50
200-E-115	C7682	B26JL0	Americium-241	14596-10-2	pCi/g	8/17/2010	1	0	0.42
200-E-115	C7682	B26C47	Antimony-125	14234-35-6	pCi/g	8/18/2010	1	0	1.00
200-E-115	C7682	B26C51	Antimony-125	14234-35-6	pCi/g	8/18/2010	1	0	1.0
200-E-115	C7682	B26C53	Antimony-125	14234-35-6	pCi/g	8/19/2010	1	0	1.0
200-E-115	C7682	B26JL0	Antimony-125	14234-35-6	pCi/g	8/17/2010	1	0	0.99
200-E-115	C7682	B26C47	Aroclor-1260	11096-82-5	ug/kg	8/18/2010	1	0	6.8
200-E-115	C7682	B26C51	Aroclor-1260	11096-82-5	ug/kg	8/18/2010	1	0	6.5
200-E-115	C7682	B26C53	Aroclor-1260	11096-82-5	ug/kg	8/19/2010	1	0	24
200-E-115	C7682	B26JL1	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	1	0	6.4
200-E-115	C7682	B26C47	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/18/2010	1	0	587
200-E-115	C7682	B26C51	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/18/2010	1	0	590
200-E-115	C7682	B26C53	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/19/2010	1	0	585
200-E-115	C7682	B26JL1	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/17/2010	1	0	588
200-E-115	C7682	B26C47	Butylbenzylphthalate	85-68-7	ug/kg	8/18/2010	1	0	50
200-E-115	C7682	B26C51	Butylbenzylphthalate	85-68-7	ug/kg	8/18/2010	1	0	50
200-E-115	C7682	B26JL1	Butylbenzylphthalate	85-68-7	ug/kg	8/17/2010	1	0	50
200-E-115	C7682	B26C51	Carbon-14	14762-75-5	pCi/g	8/18/2010	1	0	1.3
200-E-115	C7682	B26C53	Carbon-14	14762-75-5	pCi/g	8/19/2010	1	0	2.5
200-E-115	C7682	B26JL1	Carbon-14	14762-75-5	pCi/g	8/17/2010	1	0	1.3
200-E-115	C7682	B26C47	Cesium-137	10045-97-3	pCi/g	8/18/2010	1	0	0.54
200-E-115	C7682	B26C51	Cesium-137	10045-97-3	pCi/g	8/18/2010	1	0	0.53
200-E-115	C7682	B26C53	Cesium-137	10045-97-3	pCi/g	8/19/2010	1	0	0.53
200-E-115	C7682	B26JL0	Cesium-137	10045-97-3	pCi/g	8/17/2010	1	0	0.57
200-E-115	C7682	B26C47	Cobalt-60	10198-40-0	pCi/g	8/18/2010	1	0	0.40
200-E-115	C7682	B26C51	Cobalt-60	10198-40-0	pCi/g	8/18/2010	1	0	0.37
200-E-115	C7682	B26C53	Cobalt-60	10198-40-0	pCi/g	8/19/2010	1	0	0.41
200-E-115	C7682	B26JL0	Cobalt-60	10198-40-0	pCi/g	8/17/2010	1	0	0.41
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 110 and 115	PCB110/115	ug/kg	8/18/2010	1	0	7.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 128 and 166	PCB128/166	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 128 and 166	PCB128/166	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 128 and 166	PCB128/166	ug/kg	8/19/2010	1	0	4.00E-04

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 129, 138, 160, and 163	PCB129/138/160+	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 135 and 151	PCB135/151	ug/kg	8/18/2010	1	0	4.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 135 and 151	PCB135/151	ug/kg	8/18/2010	1	0	4.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 147 and 149	PCB147/149	ug/kg	8/19/2010	1	0	4.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/18/2010	1	0	4.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/19/2010	1	0	4.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 18 and 30	PCB18/30	ug/kg	8/18/2010	1	0	4.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 180 and 193	PCB180/193	ug/kg	8/19/2010	1	0	3.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 183 and 185	PCB183/185	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 183 and 185	PCB183/185	ug/kg	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 183 and 185	PCB183/185	ug/kg	8/19/2010	1	0	3.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/19/2010	1	0	3.00E-04
200-E-115	C7682	B26JL0	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/17/2010	1	0	2.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	ug/kg	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26JL0	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	ug/kg	8/17/2010	1	0	2.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 49 and 69	PCB49/69	ug/kg	8/18/2010	1	0	4.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/18/2010	1	0	4.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/19/2010	1	0	5.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/19/2010	1	0	4.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 90, 101, and 113	PCB90/101/113	ug/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C47	Cyanide	57-12-5	ug/kg	8/18/2010	1	0	2,610
200-E-115	C7682	B26C51	Cyanide	57-12-5	ug/kg	8/18/2010	1	0	2,660
200-E-115	C7682	B26C53	Cyanide	57-12-5	ug/kg	8/19/2010	1	0	2,680
200-E-115	C7682	B26JL1	Cyanide	57-12-5	ug/kg	8/17/2010	1	0	2,600
200-E-115	C7682	B26C47	Di-n-butylphthalate	84-74-2	ug/kg	8/18/2010	1	0	559
200-E-115	C7682	B26C51	Di-n-butylphthalate	84-74-2	ug/kg	8/18/2010	1	0	562
200-E-115	C7682	B26C53	Di-n-butylphthalate	84-74-2	ug/kg	8/19/2010	1	0	558
200-E-115	C7682	B26JL1	Di-n-butylphthalate	84-74-2	ug/kg	8/17/2010	1	0	560
200-E-115	C7682	B26C47	Europium-152	14683-23-9	pCi/g	8/18/2010	1	0	1.9
200-E-115	C7682	B26C51	Europium-152	14683-23-9	pCi/g	8/18/2010	1	0	2.0
200-E-115	C7682	B26C53	Europium-152	14683-23-9	pCi/g	8/19/2010	1	0	1.8
200-E-115	C7682	B26JL0	Europium-152	14683-23-9	pCi/g	8/17/2010	1	0	1.9
200-E-115	C7682	B26C47	Europium-154	15585-10-1	pCi/g	8/18/2010	1	0	1.2

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C51	Europium-154	15585-10-1	pCi/g	8/18/2010	1	0	1.3
200-E-115	C7682	B26C53	Europium-154	15585-10-1	pCi/g	8/19/2010	1	0	1.3
200-E-115	C7682	B26JL0	Europium-154	15585-10-1	pCi/g	8/17/2010	1	0	1.2
200-E-115	C7682	B26C47	Europium-155	14391-16-3	pCi/g	8/18/2010	1	0	1.0
200-E-115	C7682	B26C51	Europium-155	14391-16-3	pCi/g	8/18/2010	1	0	0.99
200-E-115	C7682	B26C53	Europium-155	14391-16-3	pCi/g	8/19/2010	1	0	1.0
200-E-115	C7682	B26JL0	Europium-155	14391-16-3	pCi/g	8/17/2010	1	0	1.0
200-E-115	C7682	B26C47	Formate	FORMATE	ug/kg	8/18/2010	1	0	47
200-E-115	C7682	B26C47	Mercury	7439-97-6	ug/kg	8/18/2010	1	0	9.8
200-E-115	C7682	B26C51	Mercury	7439-97-6	ug/kg	8/18/2010	1	0	9.0
200-E-115	C7682	B26C53	Mercury	7439-97-6	ug/kg	8/19/2010	1	0	8.2
200-E-115	C7682	B26JL1	Mercury	7439-97-6	ug/kg	8/17/2010	1	0	8.8
200-E-115	C7682	B26C48	Methylene chloride	75-09-2	ug/kg	8/18/2010	1	0	0.055
200-E-115	C7682	B26C50	Methylene chloride	75-09-2	ug/kg	8/18/2010	1	0	0.065
200-E-115	C7682	B26C54	Methylene chloride	75-09-2	ug/kg	8/19/2010	1	0	0.071
200-E-115	C7682	B26JM1	Methylene chloride	75-09-2	ug/kg	8/17/2010	1	0	0.055
200-E-115	C7682	B26C47	Molybdenum	7439-98-7	ug/kg	8/18/2010	1	0	1,660
200-E-115	C7682	B26JL1	Molybdenum	7439-98-7	ug/kg	8/17/2010	1	0	1,650
200-E-115	C7682	B26C47	Nickel-63	13981-37-8	pCi/g	8/18/2010	1	0	4.3
200-E-115	C7682	B26C51	Nickel-63	13981-37-8	pCi/g	8/18/2010	1	0	5.7
200-E-115	C7682	B26C53	Nickel-63	13981-37-8	pCi/g	8/19/2010	1	0	5.5
200-E-115	C7682	B26JL0	Nickel-63	13981-37-8	pCi/g	8/17/2010	1	0	4.7
200-E-115	C7682	B26C47	Nitrite	14797-65-0	ug/kg	8/18/2010	1	0	192
200-E-115	C7682	B26C47	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/18/2010	1	0	58
200-E-115	C7682	B26C51	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/18/2010	1	0	58
200-E-115	C7682	B26C53	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/19/2010	1	0	58
200-E-115	C7682	B26JL1	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	1	0	58
200-E-115	C7682	B26C47	Oxalate	338-70-5	ug/kg	8/18/2010	1	0	231
200-E-115	C7682	B26C51	Oxalate	338-70-5	ug/kg	8/18/2010	1	0	227
200-E-115	C7682	B26C53	Oxalate	338-70-5	ug/kg	8/19/2010	1	0	229
200-E-115	C7682	B26C47	Plutonium-238	13981-16-3	pCi/g	8/18/2010	1	0	0.29
200-E-115	C7682	B26C51	Plutonium-238	13981-16-3	pCi/g	8/18/2010	1	0	0.35
200-E-115	C7682	B26C53	Plutonium-238	13981-16-3	pCi/g	8/19/2010	1	0	0.33
200-E-115	C7682	B26JL1	Plutonium-238	13981-16-3	pCi/g	8/17/2010	1	0	0.26
200-E-115	C7682	B26C47	Plutonium-239/240	PU-239/240	pCi/g	8/18/2010	1	0	0.29
200-E-115	C7682	B26C51	Plutonium-239/240	PU-239/240	pCi/g	8/18/2010	1	0	0.35
200-E-115	C7682	B26C53	Plutonium-239/240	PU-239/240	pCi/g	8/19/2010	1	0	0.33
200-E-115	C7682	B26JL1	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	1	0	0.26
200-E-115	C7682	B26C47	Pyrene	129-00-0	ug/kg	8/18/2010	1	0	63
200-E-115	C7682	B26C51	Pyrene	129-00-0	ug/kg	8/18/2010	1	0	63
200-E-115	C7682	B26C53	Pyrene	129-00-0	ug/kg	8/19/2010	1	0	62
200-E-115	C7682	B26JL1	Pyrene	129-00-0	ug/kg	8/17/2010	1	0	63
200-E-115	C7682	B26C47	Selenium-79	15758-45-9	pCi/g	8/18/2010	1	0	2.6
200-E-115	C7682	B26C51	Selenium-79	15758-45-9	pCi/g	8/18/2010	1	0	3.0
200-E-115	C7682	B26C53	Selenium-79	15758-45-9	pCi/g	8/19/2010	1	0	2.2
200-E-115	C7682	B26JL1	Selenium-79	15758-45-9	pCi/g	8/17/2010	1	0	1.4
200-E-115	C7682	B26C47	Silver	7440-22-4	ug/kg	8/18/2010	1	0	100
200-E-115	C7682	B26C51	Silver	7440-22-4	ug/kg	8/18/2010	1	0	100
200-E-115	C7682	B26C53	Silver	7440-22-4	ug/kg	8/19/2010	1	0	100
200-E-115	C7682	B26JL1	Silver	7440-22-4	ug/kg	8/17/2010	1	0	100
200-E-115	C7682	B26C47	Strontium-90	10098-97-2	pCi/g	8/18/2010	1	0	0.18
200-E-115	C7682	B26C51	Strontium-90	10098-97-2	pCi/g	8/18/2010	1	0	0.19
200-E-115	C7682	B26C53	Strontium-90	10098-97-2	pCi/g	8/19/2010	1	0	0.18
200-E-115	C7682	B26JL1	Strontium-90	10098-97-2	pCi/g	8/17/2010	1	0	0.21

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26JL1	Thallium	7440-28-0	ug/kg	8/17/2010	1	0	100
200-E-115	C7682	B26C47	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/18/2010	1	0	370
200-E-115	C7682	B26C51	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/18/2010	1	0	350
200-E-115	C7682	B26C53	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/19/2010	1	0	1,300
200-E-115	C7682	B26C47	Tributyl phosphate	126-73-8	ug/kg	8/18/2010	1	0	107
200-E-115	C7682	B26C51	Tributyl phosphate	126-73-8	ug/kg	8/18/2010	1	0	108
200-E-115	C7682	B26C53	Tributyl phosphate	126-73-8	ug/kg	8/19/2010	1	0	107
200-E-115	C7682	B26JL1	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	1	0	107
200-E-115	C7682	B26C47	Tritium	10028-17-8	pCi/g	8/18/2010	1	0	4.0
200-W-54	299-W22-84	B139D1	2-Butanone	78-93-3	ug/kg	10/19/2001	1	0	10
200-W-54	299-W22-84	B139C3	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C3	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139D1	Americium-241	14596-10-2	pCi/g	10/19/2001	1	0	0.13
200-W-54	299-W22-84	B139C3	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	1	0	34
200-W-54	299-W22-84	B139C3	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C3	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C3	Carbon-14	14762-75-5	pCi/g	10/19/2001	1	0	3.9
200-W-54	299-W22-84	B139C3	Cobalt-60	10198-40-0	pCi/g	10/19/2001	1	0	0.044
200-W-54	299-W22-84	B139C3	Cyanide	57-12-5	ug/kg	10/19/2001	1	0	450
200-W-54	299-W22-84	B139C3	Diethylphthalate	84-66-2	ug/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C3	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139D1	Europium-152	14683-23-9	pCi/g	10/19/2001	1	0	0.10
200-W-54	299-W22-84	B139C3	Europium-154	15585-10-1	pCi/g	10/19/2001	1	0	0.14
200-W-54	299-W22-84	B139D1	Europium-155	14391-16-3	pCi/g	10/19/2001	1	0	0.11
200-W-54	299-W22-84	B139D1	Nickel-63	13981-37-8	pCi/g	10/19/2001	1	0	2.1
200-W-54	299-W22-84	B139C3	Nitrite	14797-65-0	ug/kg	10/19/2001	1	0	1,290
200-W-54	299-W22-84	B139C3	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C3	Phenol	108-95-2	ug/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139D1	Plutonium-238	13981-16-3	pCi/g	10/19/2001	1	0	0.034
200-W-54	299-W22-84	B139D1	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	1	0	0.034
200-W-54	299-W22-84	B139C3	Pyrene	129-00-0	ug/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C3	Strontium	7440-24-6	ug/kg	10/19/2001	1	0	300
200-W-54	299-W22-84	B139D1	Strontium-90	10098-97-2	pCi/g	10/19/2001	1	0	0.33
200-W-54	299-W22-84	B139D1	Styrene	100-42-5	ug/kg	10/19/2001	1	0	5.0
200-W-54	299-W22-84	B139D1	Sulfide	18496-25-8	ug/kg	10/19/2001	1	0	36,000
200-W-54	299-W22-84	B139C3	Technetium-99	14133-76-7	pCi/g	10/19/2001	1	0	0.41
200-W-54	299-W22-84	B139D1	Toluene	108-88-3	ug/kg	10/19/2001	1	0	5.0
200-W-54	299-W22-84	B139C3	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	1	0	12,300
200-W-54	299-W22-84	B139C3	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139D1	Tritium	10028-17-8	pCi/g	10/19/2001	1	0	0.10
200-W-54	299-W22-84	B139D1	Uranium-235	15117-96-1	pCi/g	10/19/2001	1	0	0.18
207-A-South	207-A-1	B32HP2	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.4
207-A-South	207-A-1	B32HP2	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.8
207-A-South	207-A-10	B32HT6	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.1
207-A-South	207-A-10	B32HT6	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7
207-A-South	207-A-11	B32HV0	Acetone	67-64-1	ug/kg	11/12/2015	1	0	2.7
207-A-South	207-A-11	B32HV0	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.5
207-A-South	207-A-12	B32HV2	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.2
207-A-South	207-A-12	B32HV2	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7
207-A-South	207-A-13	B32HV4	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.1
207-A-South	207-A-13	B32HV4	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
207-A-South	207-A-14	B32HT4	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.1
207-A-South	207-A-14	B32HT4	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7
207-A-South	207-A-15	B32HW0	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.1
207-A-South	207-A-15	B32HW0	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.6
207-A-South	207-A-16	B32HW2	Acetone	67-64-1	ug/kg	11/12/2015	1	0	4.0
207-A-South	207-A-16	B32HW2	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	6.7
207-A-South	207-A-17	B32HW4	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.1
207-A-South	207-A-17	B32HW4	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7
207-A-South	207-A-18	B32HW6	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.3
207-A-South	207-A-18	B32HW6	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7
207-A-South	207-A-19	B32HW8	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.1
207-A-South	207-A-19	B32HW8	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.6
207-A-South	207-A-2	B32HP4	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.1
207-A-South	207-A-2	B32HP4	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7
207-A-South	207-A-20	B32HY8	Acetone	67-64-1	ug/kg	11/12/2015	1	0	2.7
207-A-South	207-A-20	B32HY8	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.5
207-A-South	207-A-3	B32HP6	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.4
207-A-South	207-A-3	B32HP6	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.8
207-A-South	207-A-4	B32HP8	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.1
207-A-South	207-A-4	B32HP8	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.6
207-A-South	207-A-5	B32HR0	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.2
207-A-South	207-A-5	B32HR0	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7
207-A-South	207-A-6	B32HR6	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.2
207-A-South	207-A-6	B32HR6	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7
207-A-South	207-A-7	B32HR8	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.3
207-A-South	207-A-7	B32HR8	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7
207-A-South	207-A-8	B32HT0	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.2
207-A-South	207-A-8	B32HT0	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7
207-A-South	207-A-9	B32HT2	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.2
207-A-South	207-A-9	B32HT2	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7
207-A-South	207-A-CELL 1	B32HX0	Acetone	67-64-1	ug/kg	11/12/2015	1	0	2.9
207-A-South	207-A-CELL 1	B32HX0	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.6
207-A-South	207-A-CELL 2	B32HX8	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.2
207-A-South	207-A-CELL 2	B32HY0	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.7
207-A-South	207-A-CELL 3	B32HY2	Acetone	67-64-1	ug/kg	11/12/2015	1	0	3.0
207-A-South	207-A-CELL 3	B32HY2	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.6
207-A-South	207-A-STOCKPILE	B32J15	Acetone	67-64-1	ug/kg	11/12/2015	1	0	2.5
207-A-South	207-A-STOCKPILE	B32J15	Methylene chloride	75-09-2	ug/kg	11/12/2015	1	0	1.3
207-A-South	C4113	B17HR9	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	ug/kg	9/3/2003	1	0	18
207-A-South	C4113	B17HR9	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	9/3/2003	1	0	36
207-A-South	C4113	B17HR8	2-Butanone	78-93-3	ug/kg	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR8	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	1	0	150
207-A-South	C4113	B17HR8	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	1	0	69
207-A-South	C4113	B17HR8	Acetone	67-64-1	ug/kg	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR8	Americium-241	14596-10-2	pCi/g	9/10/2003	1	0	0.024
207-A-South	C4113	B17HR8	Ammonium ion	14798-03-9	ug/kg	9/10/2003	1	0	258
207-A-South	C4113	B17HR8	Antimony	7440-36-0	ug/kg	9/10/2003	1	0	4,860
207-A-South	C4113	B17HR8	Antimony-125	14234-35-6	pCi/g	9/10/2003	1	0	0.024
207-A-South	C4113	B17HR8	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	1	0	51
207-A-South	C4113	B17HR8	Arsenic	7440-38-2	ug/kg	9/10/2003	1	0	2,910
207-A-South	C4113	B17HR8	Beryllium	7440-41-7	ug/kg	9/10/2003	1	0	2,910

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
207-A-South	C4113	B17HR8	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	1	0	580
207-A-South	C4113	B17HR8	Boron	7440-42-8	ug/kg	9/10/2003	1	0	5,070
207-A-South	C4113	B17HR8	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	1	0	69
207-A-South	C4113	B17HR8	Cadmium	7440-43-9	ug/kg	9/10/2003	1	0	971
207-A-South	C4113	B17HR9	Carbon-14	14762-75-5	pCi/g	9/3/2003	1	0	3.8
207-A-South	C4113	B17HT0	Carbon-14	14762-75-5	pCi/g	9/3/2003	1	0	3.6
207-A-South	C4113	B17HT1	Carbon-14	14762-75-5	pCi/g	9/3/2003	1	0	2.5
207-A-South	C4113	B17HT2	Carbon-14	14762-75-5	pCi/g	9/10/2003	1	0	1.6
207-A-South	C4113	B17HR8	Cesium-134	13967-70-9	pCi/g	9/10/2003	1	0	0.031
207-A-South	C4113	B17HR8	Cesium-137	10045-97-3	pCi/g	9/10/2003	1	0	0.0080
207-A-South	C4113	B17HR8	Chromium	7440-47-3	ug/kg	9/10/2003	1	0	2,910
207-A-South	C4113	B17HR8	Cobalt-60	10198-40-0	pCi/g	9/10/2003	1	0	0.0080
207-A-South	C4113	B17HR8	Cyanide	57-12-5	ug/kg	9/10/2003	1	0	200
207-A-South	C4113	B17HR8	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	1	0	89
207-A-South	C4113	B17HR8	Europium-152	14683-23-9	pCi/g	9/10/2003	1	0	0.025
207-A-South	C4113	B17HR8	Europium-154	15585-10-1	pCi/g	9/10/2003	1	0	0.027
207-A-South	C4113	B17HR8	Europium-155	14391-16-3	pCi/g	9/10/2003	1	0	0.038
207-A-South	C4113	B17HR8	Fluoride	16984-48-8	ug/kg	9/10/2003	1	0	350
207-A-South	C4113	B17HR9	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	1	0	430
207-A-South	C4113	B17HT0	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	1	0	440
207-A-South	C4113	B17HT1	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	1	0	420
207-A-South	C4113	B17HT2	Hexavalent Chromium	18540-29-9	ug/kg	9/10/2003	1	0	410
207-A-South	C4113	B17HR8	Lead	7439-92-1	ug/kg	9/10/2003	1	0	11,700
207-A-South	C4113	B17HR8	Mercury	7439-97-6	ug/kg	9/10/2003	1	0	971
207-A-South	C4113	B17HR8	Methylene chloride	75-09-2	ug/kg	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR8	Nickel	7440-02-0	ug/kg	9/10/2003	1	0	4,860
207-A-South	C4113	B17HR9	Nickel-63	13981-37-8	pCi/g	9/3/2003	1	0	2.3
207-A-South	C4113	B17HT0	Nickel-63	13981-37-8	pCi/g	9/3/2003	1	0	2.3
207-A-South	C4113	B17HT1	Nickel-63	13981-37-8	pCi/g	9/3/2003	1	0	2.3
207-A-South	C4113	B17HT2	Nickel-63	13981-37-8	pCi/g	9/10/2003	1	0	2.4
207-A-South	C4113	B17HR8	Nitrite	14797-65-0	ug/kg	9/10/2003	1	0	1,480
207-A-South	C4113	B17HR8	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	1	0	69
207-A-South	C4113	B17HR8	Phenol	108-95-2	ug/kg	9/10/2003	1	0	100
207-A-South	C4113	B17HR8	Phosphate	14265-44-2	ug/kg	9/10/2003	1	0	1,990
207-A-South	C4113	B17HR8	Plutonium-238	13981-16-3	pCi/g	9/10/2003	1	0	0.056
207-A-South	C4113	B17HR8	Plutonium-239/240	PU-239/240	pCi/g	9/10/2003	1	0	0.022
207-A-South	C4113	B17HR8	Pyrene	129-00-0	ug/kg	9/10/2003	1	0	69
207-A-South	C4113	B17HR8	Ruthenium-106	13967-48-1	pCi/g	9/10/2003	1	0	0.069
207-A-South	C4113	B17HR8	Selenium	7782-49-2	ug/kg	9/10/2003	1	0	2,910
207-A-South	C4113	B17HT1	Strontium-90	10098-97-2	pCi/g	9/3/2003	1	0	0.25
207-A-South	C4113	B17HT2	Strontium-90	10098-97-2	pCi/g	9/10/2003	1	0	0.27
207-A-South	C4113	B17HR8	Styrene	100-42-5	ug/kg	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR9	Technetium-99	14133-76-7	pCi/g	9/3/2003	1	0	0.44
207-A-South	C4113	B17HT0	Technetium-99	14133-76-7	pCi/g	9/3/2003	1	0	0.58
207-A-South	C4113	B17HT1	Technetium-99	14133-76-7	pCi/g	9/3/2003	1	0	0.56
207-A-South	C4113	B17HT2	Technetium-99	14133-76-7	pCi/g	9/10/2003	1	0	0.59
207-A-South	C4113	B17HT1	Thorium-228	14274-82-9	pCi/g	9/3/2003	1	0	0.23
207-A-South	C4113	B17HT2	Thorium-230	14269-63-7	pCi/g	9/10/2003	1	0	0.29
207-A-South	C4113	B17HT1	Thorium-232	TH-232	pCi/g	9/3/2003	1	0	0.23
207-A-South	C4113	B17HR8	Toluene	108-88-3	ug/kg	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR8	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	1	0	3,900
207-A-South	C4113	B17HR8	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	1	0	69
207-A-South	C4113	B17HT1	Tritium	10028-17-8	pCi/g	9/3/2003	1	0	0.26

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
207-A-South	C4113	B17HT2	Tritium	10028-17-8	pCi/g	9/10/2003	1	0	0.26
207-A-South	C4113	B17HR8	Uranium	7440-61-1	ug/kg	9/10/2003	1	0	971
207-A-South	C4114	B17HX4	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	9/3/2003	1	0	36
207-A-South	C4114	B17HY3	2-Butanone	78-93-3	ug/kg	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	1	0	150
207-A-South	C4114	B17HY3	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Acetone	67-64-1	ug/kg	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	Ammonium ion	14798-03-9	ug/kg	9/10/2003	1	0	258
207-A-South	C4114	B17HY3	Antimony	7440-36-0	ug/kg	9/10/2003	1	0	4,930
207-A-South	C4114	B17HY3	Antimony-125	14234-35-6	pCi/g	9/10/2003	1	0	0.029
207-A-South	C4114	B17HY3	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	1	0	50
207-A-South	C4114	B17HY3	Arsenic	7440-38-2	ug/kg	9/10/2003	1	0	2,960
207-A-South	C4114	B17HY3	Beryllium	7440-41-7	ug/kg	9/10/2003	1	0	2,960
207-A-South	C4114	B17HY3	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	1	0	570
207-A-South	C4114	B17HY3	Boron	7440-42-8	ug/kg	9/10/2003	1	0	5,080
207-A-South	C4114	B17HY3	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Cadmium	7440-43-9	ug/kg	9/10/2003	1	0	986
207-A-South	C4114	B17HX4	Carbon-14	14762-75-5	pCi/g	9/3/2003	1	0	3.6
207-A-South	C4114	B17HX5	Carbon-14	14762-75-5	pCi/g	9/3/2003	1	0	3.4
207-A-South	C4114	B17HX6	Carbon-14	14762-75-5	pCi/g	9/4/2003	1	0	2.5
207-A-South	C4114	B17HX7	Carbon-14	14762-75-5	pCi/g	9/10/2003	1	0	2.0
207-A-South	C4114	B17HY3	Cesium-134	13967-70-9	pCi/g	9/10/2003	1	0	0.044
207-A-South	C4114	B17HY3	Chromium	7440-47-3	ug/kg	9/10/2003	1	0	2,960
207-A-South	C4114	B17HY3	Cobalt-60	10198-40-0	pCi/g	9/10/2003	1	0	0.010
207-A-South	C4114	B17HY3	Cyanide	57-12-5	ug/kg	9/10/2003	1	0	200
207-A-South	C4114	B17HY3	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	1	0	89
207-A-South	C4114	B17HY3	Europium-152	14683-23-9	pCi/g	9/10/2003	1	0	0.031
207-A-South	C4114	B17HY3	Europium-154	15585-10-1	pCi/g	9/10/2003	1	0	0.034
207-A-South	C4114	B17HY3	Europium-155	14391-16-3	pCi/g	9/10/2003	1	0	0.046
207-A-South	C4114	B17HY3	Fluoride	16984-48-8	ug/kg	9/10/2003	1	0	350
207-A-South	C4114	B17HX4	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	1	0	440
207-A-South	C4114	B17HX5	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	1	0	430
207-A-South	C4114	B17HX6	Hexavalent Chromium	18540-29-9	ug/kg	9/4/2003	1	0	420
207-A-South	C4114	B17HX7	Hexavalent Chromium	18540-29-9	ug/kg	9/10/2003	1	0	410
207-A-South	C4114	B17HY3	Lead	7439-92-1	ug/kg	9/10/2003	1	0	11,800
207-A-South	C4114	B17HY3	Mercury	7439-97-6	ug/kg	9/10/2003	1	0	986
207-A-South	C4114	B17HY3	Methylene chloride	75-09-2	ug/kg	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	Nickel	7440-02-0	ug/kg	9/10/2003	1	0	6,500
207-A-South	C4114	B17HX4	Nickel-63	13981-37-8	pCi/g	9/3/2003	1	0	2.5
207-A-South	C4114	B17HX5	Nickel-63	13981-37-8	pCi/g	9/3/2003	1	0	2.3
207-A-South	C4114	B17HX6	Nickel-63	13981-37-8	pCi/g	9/4/2003	1	0	2.3
207-A-South	C4114	B17HX7	Nickel-63	13981-37-8	pCi/g	9/10/2003	1	0	2.3
207-A-South	C4114	B17HY3	Nitrite	14797-65-0	ug/kg	9/10/2003	1	0	1,480
207-A-South	C4114	B17HY3	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Phenol	108-95-2	ug/kg	9/10/2003	1	0	100
207-A-South	C4114	B17HY3	Phosphate	14265-44-2	ug/kg	9/10/2003	1	0	1,990
207-A-South	C4114	B17HY3	Plutonium-238	13981-16-3	pCi/g	9/10/2003	1	0	0.047
207-A-South	C4114	B17HY3	Plutonium-239/240	PU-239/240	pCi/g	9/10/2003	1	0	0.015
207-A-South	C4114	B17HY3	Pyrene	129-00-0	ug/kg	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Ruthenium-106	13967-48-1	pCi/g	9/10/2003	1	0	0.090
207-A-South	C4114	B17HY3	Selenium	7782-49-2	ug/kg	9/10/2003	1	0	2,960
207-A-South	C4114	B17HY3	Silver	7440-22-4	ug/kg	9/10/2003	1	0	1,970
207-A-South	C4114	B17HX6	Strontium-90	10098-97-2	pCi/g	9/4/2003	1	0	0.27
207-A-South	C4114	B17HX7	Strontium-90	10098-97-2	pCi/g	9/10/2003	1	0	0.27

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
207-A-South	C4114	B17HY3	Styrene	100-42-5	ug/kg	9/10/2003	1	0	2.1
207-A-South	C4114	B17HX4	Technetium-99	14133-76-7	pCi/g	9/3/2003	1	0	0.56
207-A-South	C4114	B17HX5	Technetium-99	14133-76-7	pCi/g	9/3/2003	1	0	0.60
207-A-South	C4114	B17HX6	Technetium-99	14133-76-7	pCi/g	9/4/2003	1	0	0.56
207-A-South	C4114	B17HX7	Technetium-99	14133-76-7	pCi/g	9/10/2003	1	0	0.58
207-A-South	C4114	B17HY3	Toluene	108-88-3	ug/kg	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	1	0	3,900
207-A-South	C4114	B17HY3	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Uranium	7440-61-1	ug/kg	9/10/2003	1	0	986
207-A-South	C4115	B17HX9	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	ug/kg	9/3/2003	1	0	19
207-A-South	C4115	B17HY4	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	ug/kg	9/4/2003	1	0	18
207-A-South	C4115	B17J02	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	ug/kg	9/3/2003	1	0	18
207-A-South	C4115	B17HX9	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	9/3/2003	1	0	37
207-A-South	C4115	B17HY4	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	9/4/2003	1	0	35
207-A-South	C4115	B17HY9	2-Butanone	78-93-3	ug/kg	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	1	0	150
207-A-South	C4115	B17HY9	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	1	0	68
207-A-South	C4115	B17HY9	Acetone	67-64-1	ug/kg	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	Ammonium ion	14798-03-9	ug/kg	9/10/2003	1	0	258
207-A-South	C4115	B17HY9	Antimony	7440-36-0	ug/kg	9/10/2003	1	0	4,900
207-A-South	C4115	B17HY9	Antimony-125	14234-35-6	pCi/g	9/10/2003	1	0	0.037
207-A-South	C4115	B17HY9	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	1	0	49
207-A-South	C4115	B17HY9	Arsenic	7440-38-2	ug/kg	9/10/2003	1	0	2,940
207-A-South	C4115	B17HY9	Beryllium	7440-41-7	ug/kg	9/10/2003	1	0	2,940
207-A-South	C4115	B17HY9	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	1	0	570
207-A-South	C4115	B17HY9	Boron	7440-42-8	ug/kg	9/10/2003	1	0	5,100
207-A-South	C4115	B17HY9	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	1	0	68
207-A-South	C4115	B17HY9	Cadmium	7440-43-9	ug/kg	9/10/2003	1	0	979
207-A-South	C4115	B17HX9	Carbon-14	14762-75-5	pCi/g	9/3/2003	1	0	3.6
207-A-South	C4115	B17HY4	Carbon-14	14762-75-5	pCi/g	9/4/2003	1	0	3.5
207-A-South	C4115	B17HY5	Carbon-14	14762-75-5	pCi/g	9/10/2003	1	0	1.7
207-A-South	C4115	B17J02	Carbon-14	14762-75-5	pCi/g	9/3/2003	1	0	3.7
207-A-South	C4115	B17HY9	Cesium-134	13967-70-9	pCi/g	9/10/2003	1	0	0.019
207-A-South	C4115	B17HY9	Cesium-137	10045-97-3	pCi/g	9/10/2003	1	0	0.017
207-A-South	C4115	B17HY9	Chromium	7440-47-3	ug/kg	9/10/2003	1	0	2,940
207-A-South	C4115	B17HY9	Cobalt-60	10198-40-0	pCi/g	9/10/2003	1	0	0.021
207-A-South	C4115	B17HY9	Cyanide	57-12-5	ug/kg	9/10/2003	1	0	200
207-A-South	C4115	B17HY9	Diethylphthalate	84-66-2	ug/kg	9/10/2003	1	0	190
207-A-South	C4115	B17HY9	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	1	0	89
207-A-South	C4115	B17HY9	Europium-152	14683-23-9	pCi/g	9/10/2003	1	0	0.037
207-A-South	C4115	B17HY9	Europium-154	15585-10-1	pCi/g	9/10/2003	1	0	0.061
207-A-South	C4115	B17HY9	Europium-155	14391-16-3	pCi/g	9/10/2003	1	0	0.046
207-A-South	C4115	B17HY9	Fluoride	16984-48-8	ug/kg	9/10/2003	1	0	350
207-A-South	C4115	B17HX9	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	1	0	450
207-A-South	C4115	B17HY4	Hexavalent Chromium	18540-29-9	ug/kg	9/4/2003	1	0	420
207-A-South	C4115	B17HY5	Hexavalent Chromium	18540-29-9	ug/kg	9/10/2003	1	0	410
207-A-South	C4115	B17J02	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	1	0	440
207-A-South	C4115	B17HY9	Lead	7439-92-1	ug/kg	9/10/2003	1	0	11,700
207-A-South	C4115	B17HY9	Mercury	7439-97-6	ug/kg	9/10/2003	1	0	979
207-A-South	C4115	B17HY9	Methylene chloride	75-09-2	ug/kg	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	Nickel	7440-02-0	ug/kg	9/10/2003	1	0	4,900

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
207-A-South	C4115	B17HX8	Nickel-63	13981-37-8	pCi/g	9/3/2003	1	0	2.4
207-A-South	C4115	B17HX9	Nickel-63	13981-37-8	pCi/g	9/3/2003	1	0	2.8
207-A-South	C4115	B17HY4	Nickel-63	13981-37-8	pCi/g	9/4/2003	1	0	2.5
207-A-South	C4115	B17HY5	Nickel-63	13981-37-8	pCi/g	9/10/2003	1	0	2.6
207-A-South	C4115	B17HY9	Nitrite	14797-65-0	ug/kg	9/10/2003	1	0	1,480
207-A-South	C4115	B17HY9	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	1	0	68
207-A-South	C4115	B17HY9	Phenol	108-95-2	ug/kg	9/10/2003	1	0	100
207-A-South	C4115	B17HY9	Phosphate	14265-44-2	ug/kg	9/10/2003	1	0	1,990
207-A-South	C4115	B17HY9	Plutonium-238	13981-16-3	pCi/g	9/10/2003	1	0	0.048
207-A-South	C4115	B17HY9	Plutonium-239/240	PU-239/240	pCi/g	9/10/2003	1	0	0.014
207-A-South	C4115	B17HY9	Pyrene	129-00-0	ug/kg	9/10/2003	1	0	68
207-A-South	C4115	B17HY9	Ruthenium-106	13967-48-1	pCi/g	9/10/2003	1	0	0.14
207-A-South	C4115	B17HY9	Selenium	7782-49-2	ug/kg	9/10/2003	1	0	2,940
207-A-South	C4115	B17HY9	Silver	7440-22-4	ug/kg	9/10/2003	1	0	1,960
207-A-South	C4115	B17HY4	Strontium-90	10098-97-2	pCi/g	9/4/2003	1	0	0.26
207-A-South	C4115	B17HY5	Strontium-90	10098-97-2	pCi/g	9/10/2003	1	0	0.28
207-A-South	C4115	B17HY9	Styrene	100-42-5	ug/kg	9/10/2003	1	0	2.0
207-A-South	C4115	B17HX8	Technetium-99	14133-76-7	pCi/g	9/3/2003	1	0	0.57
207-A-South	C4115	B17HX9	Technetium-99	14133-76-7	pCi/g	9/3/2003	1	0	0.54
207-A-South	C4115	B17HY4	Technetium-99	14133-76-7	pCi/g	9/4/2003	1	0	0.61
207-A-South	C4115	B17HY5	Technetium-99	14133-76-7	pCi/g	9/10/2003	1	0	0.56
207-A-South	C4115	B17HY5	Thorium-230	14269-63-7	pCi/g	9/10/2003	1	0	0.31
207-A-South	C4115	B17HY9	Toluene	108-88-3	ug/kg	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	1	0	3,800
207-A-South	C4115	B17HY9	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	1	0	68
207-A-South	C4115	B17HX9	Tritium	10028-17-8	pCi/g	9/3/2003	1	0	0.25
207-A-South	C4115	B17HY9	Uranium	7440-61-1	ug/kg	9/10/2003	1	0	979
207-T	299-W11-39	B10F90	2-Butanone	78-93-3	ug/kg	11/30/2000	1	0	11
207-T	299-W11-39	B10F90	2-Chlorophenol	95-57-8	ug/kg	11/30/2000	1	0	330
207-T	299-W11-39	B10F90	4-Chloro-3-methylphenol	59-50-7	ug/kg	11/30/2000	1	0	330
207-T	299-W11-39	B10F76	Americium-241	14596-10-2	pCi/g	11/30/2000	1	0	0.21
207-T	299-W11-39	B10F77	Americium-241	14596-10-2	pCi/g	11/30/2000	1	0	0.20
207-T	299-W11-39	B10F90	Butylbenzylphthalate	85-68-7	ug/kg	11/30/2000	1	0	330
207-T	299-W11-39	B10F90	Cadmium	7440-43-9	ug/kg	11/30/2000	1	0	30
207-T	299-W11-39	B10F77	Cesium-137	10045-97-3	pCi/g	11/30/2000	1	0	0.029
207-T	299-W11-39	B10F76	Cobalt-60	10198-40-0	pCi/g	11/30/2000	1	0	0.047
207-T	299-W11-39	B10F77	Cobalt-60	10198-40-0	pCi/g	11/30/2000	1	0	0.031
207-T	299-W11-39	B10F90	Cyanide	57-12-5	ug/kg	11/30/2000	1	0	501
207-T	299-W11-39	B10F90	Diethylphthalate	84-66-2	ug/kg	11/30/2000	1	0	330
207-T	299-W11-39	B10F90	Di-n-butylphthalate	84-74-2	ug/kg	11/30/2000	1	0	330
207-T	299-W11-39	B10F76	Europium-152	14683-23-9	pCi/g	11/30/2000	1	0	0.096
207-T	299-W11-39	B10F77	Europium-152	14683-23-9	pCi/g	11/30/2000	1	0	0.066
207-T	299-W11-39	B10F76	Europium-154	15585-10-1	pCi/g	11/30/2000	1	0	0.13
207-T	299-W11-39	B10F77	Europium-154	15585-10-1	pCi/g	11/30/2000	1	0	0.11
207-T	299-W11-39	B10F76	Europium-155	14391-16-3	pCi/g	11/30/2000	1	0	0.098
207-T	299-W11-39	B10F77	Europium-155	14391-16-3	pCi/g	11/30/2000	1	0	0.094
207-T	299-W11-39	B10F90	Mercury	7439-97-6	ug/kg	11/30/2000	1	0	20
207-T	299-W11-39	B10F90	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	11/30/2000	1	0	330
207-T	299-W11-39	B10F76	Plutonium-238	13981-16-3	pCi/g	11/30/2000	1	0	0.38
207-T	299-W11-39	B10F77	Plutonium-238	13981-16-3	pCi/g	11/30/2000	1	0	0.26
207-T	299-W11-39	B10F76	Plutonium-239/240	PU-239/240	pCi/g	11/30/2000	1	0	0.38
207-T	299-W11-39	B10F77	Plutonium-239/240	PU-239/240	pCi/g	11/30/2000	1	0	0.26
207-T	299-W11-39	B10F90	Pyrene	129-00-0	ug/kg	11/30/2000	1	0	330

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
207-T	299-W11-39	B10F90	Selenium	7782-49-2	ug/kg	11/30/2000	1	0	330
207-T	299-W11-39	B10F90	Silver	7440-22-4	ug/kg	11/30/2000	1	0	110
207-T	299-W11-39	B10F76	Strontium-90	10098-97-2	pCi/g	11/30/2000	1	0	0.17
207-T	299-W11-39	B10F77	Strontium-90	10098-97-2	pCi/g	11/30/2000	1	0	0.19
207-T	299-W11-39	B10F90	Styrene	100-42-5	ug/kg	11/30/2000	1	0	6.0
207-T	299-W11-39	B10F90	Sulfide	18496-25-8	ug/kg	11/30/2000	1	0	38,900
207-T	299-W11-39	B10F76	Technetium-99	14133-76-7	pCi/g	11/30/2000	1	0	0.54
207-T	299-W11-39	B10F77	Technetium-99	14133-76-7	pCi/g	11/30/2000	1	0	0.50
207-T	299-W11-39	B10F77	Thorium-228	14274-82-9	pCi/g	11/30/2000	1	0	0.34
207-T	299-W11-39	B10F76	Thorium-232	TH-232	pCi/g	11/30/2000	1	0	0.35
207-T	299-W11-39	B10F90	Toluene	108-88-3	ug/kg	11/30/2000	1	0	6.0
207-T	299-W11-39	B10F76	Tritium	10028-17-8	pCi/g	11/30/2000	1	0	0.093
207-T	299-W11-39	B10F77	Tritium	10028-17-8	pCi/g	11/30/2000	1	0	0.090
207-T	299-W11-40	B105W3	2-Butanone	78-93-3	ug/kg	9/27/2000	1	0	11
207-T	299-W11-40	B105W3	2-Chlorophenol	95-57-8	ug/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	Acetone	67-64-1	ug/kg	9/27/2000	1	0	11
207-T	299-W11-40	B105V3	Americium-241	14596-10-2	pCi/g	9/27/2000	1	0	0.054
207-T	299-W11-40	B105V5	Americium-241	14596-10-2	pCi/g	9/29/2000	1	0	0.095
207-T	299-W11-40	B105W3	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	Butylbenzylphthalate	85-68-7	ug/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	Cadmium	7440-43-9	ug/kg	9/27/2000	1	0	30
207-T	299-W11-40	B105V3	Cesium-137	10045-97-3	pCi/g	9/27/2000	1	0	0.050
207-T	299-W11-40	B105V5	Cesium-137	10045-97-3	pCi/g	9/29/2000	1	0	0.072
207-T	299-W11-40	B105V3	Cobalt-60	10198-40-0	pCi/g	9/27/2000	1	0	0.054
207-T	299-W11-40	B105V5	Cobalt-60	10198-40-0	pCi/g	9/29/2000	1	0	0.11
207-T	299-W11-40	B105W3	Cyanide	57-12-5	ug/kg	9/27/2000	1	0	540
207-T	299-W11-40	B105W3	Diethylphthalate	84-66-2	ug/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	Di-n-butylphthalate	84-74-2	ug/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105V3	Europium-152	14683-23-9	pCi/g	9/27/2000	1	0	0.10
207-T	299-W11-40	B105V5	Europium-152	14683-23-9	pCi/g	9/29/2000	1	0	0.19
207-T	299-W11-40	B105V3	Europium-154	15585-10-1	pCi/g	9/27/2000	1	0	0.15
207-T	299-W11-40	B105V5	Europium-154	15585-10-1	pCi/g	9/29/2000	1	0	0.29
207-T	299-W11-40	B105V3	Europium-155	14391-16-3	pCi/g	9/27/2000	1	0	0.15
207-T	299-W11-40	B105V5	Europium-155	14391-16-3	pCi/g	9/29/2000	1	0	0.13
207-T	299-W11-40	B105W3	Mercury	7439-97-6	ug/kg	9/27/2000	1	0	20
207-T	299-W11-40	B105W3	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	Phenol	108-95-2	ug/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105V3	Plutonium-238	13981-16-3	pCi/g	9/27/2000	1	0	0.028
207-T	299-W11-40	B105V5	Plutonium-238	13981-16-3	pCi/g	9/29/2000	1	0	0.038
207-T	299-W11-40	B105V3	Plutonium-239/240	PU-239/240	pCi/g	9/27/2000	1	0	0.028
207-T	299-W11-40	B105V5	Plutonium-239/240	PU-239/240	pCi/g	9/29/2000	1	0	0.037
207-T	299-W11-40	B105W3	Pyrene	129-00-0	ug/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	Selenium	7782-49-2	ug/kg	9/27/2000	1	0	440
207-T	299-W11-40	B105W3	Silver	7440-22-4	ug/kg	9/27/2000	1	0	110
207-T	299-W11-40	B105V3	Strontium-90	10098-97-2	pCi/g	9/27/2000	1	0	0.17
207-T	299-W11-40	B105V5	Strontium-90	10098-97-2	pCi/g	9/29/2000	1	0	0.20
207-T	299-W11-40	B105W3	Styrene	100-42-5	ug/kg	9/27/2000	1	0	6.0
207-T	299-W11-40	B105W3	Sulfide	18496-25-8	ug/kg	9/27/2000	1	0	40,300
207-T	299-W11-40	B105V5	Technetium-99	14133-76-7	pCi/g	9/29/2000	1	0	0.60
207-T	299-W11-40	B105W3	Toluene	108-88-3	ug/kg	9/27/2000	1	0	6.0
207-T	299-W11-40	B105V3	Tritium	10028-17-8	pCi/g	9/27/2000	1	0	0.083
207-T/200-W-53	299-W11-41	B0YVX8	2-Butanone	78-93-3	ug/kg	8/7/2000	1	0	11
207-T/200-W-53	299-W11-41	B0YVX8	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	1	0	350

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
207-T/200-W-53	299-W11-41	B0YVX8	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVX8	Acetone	67-64-1	ug/kg	8/7/2000	1	0	11
207-T/200-W-53	299-W11-41	B0YVX6	Americium-241	14596-10-2	pCi/g	8/7/2000	1	0	0.050
207-T/200-W-53	299-W11-41	B0YVX7	Americium-241	14596-10-2	pCi/g	8/7/2000	1	0	0.16
207-T/200-W-53	299-W11-41	B0YVX8	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVX8	Cadmium	7440-43-9	ug/kg	8/7/2000	1	0	30
207-T/200-W-53	299-W11-41	B0YVX7	Cesium-137	10045-97-3	pCi/g	8/7/2000	1	0	0.049
207-T/200-W-53	299-W11-41	B0YVX6	Cobalt-60	10198-40-0	pCi/g	8/7/2000	1	0	0.12
207-T/200-W-53	299-W11-41	B0YVX7	Cobalt-60	10198-40-0	pCi/g	8/7/2000	1	0	0.047
207-T/200-W-53	299-W11-41	B0YVX8	Cyanide	57-12-5	ug/kg	8/7/2000	1	0	490
207-T/200-W-53	299-W11-41	B0YVX8	Diethylphthalate	84-66-2	ug/kg	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVX8	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVX6	Europium-152	14683-23-9	pCi/g	8/7/2000	1	0	0.26
207-T/200-W-53	299-W11-41	B0YVX7	Europium-152	14683-23-9	pCi/g	8/7/2000	1	0	0.12
207-T/200-W-53	299-W11-41	B0YVX6	Europium-154	15585-10-1	pCi/g	8/7/2000	1	0	0.38
207-T/200-W-53	299-W11-41	B0YVX7	Europium-154	15585-10-1	pCi/g	8/7/2000	1	0	0.17
207-T/200-W-53	299-W11-41	B0YVX6	Europium-155	14391-16-3	pCi/g	8/7/2000	1	0	0.23
207-T/200-W-53	299-W11-41	B0YVX7	Europium-155	14391-16-3	pCi/g	8/7/2000	1	0	0.11
207-T/200-W-53	299-W11-41	B0YVX8	Mercury	7439-97-6	ug/kg	8/7/2000	1	0	20
207-T/200-W-53	299-W11-41	B0YVX8	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVX8	Phenol	108-95-2	ug/kg	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVX6	Plutonium-238	13981-16-3	pCi/g	8/7/2000	1	0	0.063
207-T/200-W-53	299-W11-41	B0YVX7	Plutonium-238	13981-16-3	pCi/g	8/7/2000	1	0	0.068
207-T/200-W-53	299-W11-41	B0YVX6	Plutonium-239/240	PU-239/240	pCi/g	8/7/2000	1	0	0.049
207-T/200-W-53	299-W11-41	B0YVX7	Plutonium-239/240	PU-239/240	pCi/g	8/7/2000	1	0	0.068
207-T/200-W-53	299-W11-41	B0YVX8	Pyrene	129-00-0	ug/kg	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVX8	Selenium	7782-49-2	ug/kg	8/7/2000	1	0	400
207-T/200-W-53	299-W11-41	B0YVX8	Silver	7440-22-4	ug/kg	8/7/2000	1	0	100
207-T/200-W-53	299-W11-41	B0YVX6	Strontium-90	10098-97-2	pCi/g	8/7/2000	1	0	0.16
207-T/200-W-53	299-W11-41	B0YVX7	Strontium-90	10098-97-2	pCi/g	8/7/2000	1	0	0.16
207-T/200-W-53	299-W11-41	B0YVX8	Styrene	100-42-5	ug/kg	8/7/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B0YVX8	Sulfide	18496-25-8	ug/kg	8/7/2000	1	0	37,700
207-T/200-W-53	299-W11-41	B0YVX8	Toluene	108-88-3	ug/kg	8/7/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B0YVX6	Tritium	10028-17-8	pCi/g	8/7/2000	1	0	0.091
207-T/200-W-53	299-W11-41	B0YVX7	Tritium	10028-17-8	pCi/g	8/7/2000	1	0	0.092
207-T/200-W-53	299-W11-41	B0YVX6	Uranium-235	15117-96-1	pCi/g	8/7/2000	1	0	0.12
207-T/200-W-53	299-W11-41	B0YVX7	Uranium-235	15117-96-1	pCi/g	8/7/2000	1	0	0.20
207-T/200-W-53	D018	S976724	Antimony-125	14234-35-6	pCi/g	6/9/2016	1	0	0.12
207-T/200-W-53	D018	S976724	Cesium-134	13967-70-9	pCi/g	6/9/2016	1	0	0.052
207-T/200-W-53	D018	S976724	Cobalt-60	10198-40-0	pCi/g	6/9/2016	1	0	0.043
207-T/200-W-53	D018	S976724	Europium-152	14683-23-9	pCi/g	6/9/2016	1	0	0.12
207-T/200-W-53	D018	S976724	Europium-154	15585-10-1	pCi/g	6/9/2016	1	0	0.12
207-T/200-W-53	D018	S976724	Europium-155	14391-16-3	pCi/g	6/9/2016	1	0	0.14
207-T/200-W-53	D018	S976724	Ruthenium-106	13967-48-1	pCi/g	6/9/2016	1	0	0.38
207-T/200-W-53	D018	S976724	Uranium-235	15117-96-1	pCi/g	6/9/2016	1	0	0.046
216-A-34	C3245	B16RW4	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	ug/kg	4/4/2003	1	0	17
216-A-34	C3245	B16RW4	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	1	0	34
216-A-34	C3245	B16RX6	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	1	0	150
216-A-34	C3245	B16RX6	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	1	0	69
216-A-34	C3245	B16RX6	Antimony	7440-36-0	ug/kg	4/4/2003	1	0	239
216-A-34	C3245	B16RX6	Antimony-125	14234-35-6	pCi/g	4/4/2003	1	0	0.036
216-A-34	C3245	B16RX6	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	1	0	69
216-A-34	C3245	B16RW5	Carbon-14	14762-75-5	pCi/g	4/4/2003	1	0	1.9

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
216-A-34	C3245	B16RX6	Cesium-134	13967-70-9	pCi/g	4/4/2003	1	0	0.017
216-A-34	C3245	B16RX6	Cesium-137	10045-97-3	pCi/g	4/4/2003	1	0	0.014
216-A-34	C3245	B16RX6	Cobalt-60	10198-40-0	pCi/g	4/4/2003	1	0	0.012
216-A-34	C3245	B16RX6	Cyanide	57-12-5	ug/kg	4/4/2003	1	0	190
216-A-34	C3245	B16RX6	Diethylphthalate	84-66-2	ug/kg	4/4/2003	1	0	190
216-A-34	C3245	B16RX6	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	1	0	89
216-A-34	C3245	B16RX6	Europium-152	14683-23-9	pCi/g	4/4/2003	1	0	0.040
216-A-34	C3245	B16RX6	Europium-154	15585-10-1	pCi/g	4/4/2003	1	0	0.038
216-A-34	C3245	B16RW5	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	1	0	420
216-A-34	C3245	B16RX6	Mercury	7439-97-6	ug/kg	4/4/2003	1	0	48
216-A-34	C3245	B16RX6	Molybdenum	7439-98-7	ug/kg	4/4/2003	1	0	1,430
216-A-34	C3245	B16RX6	Nitrite	14797-65-0	ug/kg	4/4/2003	1	0	591
216-A-34	C3245	B16RX6	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	1	0	69
216-A-34	C3245	B16RX6	Phenol	108-95-2	ug/kg	4/4/2003	1	0	100
216-A-34	C3245	B16RX6	Plutonium-238	13981-16-3	pCi/g	4/4/2003	1	0	0.28
216-A-34	C3245	B16RX6	Pyrene	129-00-0	ug/kg	4/4/2003	1	0	69
216-A-34	C3245	B16RX6	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	1	0	0.12
216-A-34	C3245	B16RX6	Selenium	7782-49-2	ug/kg	4/4/2003	1	0	1,430
216-A-34	C3245	B16RX6	Silver	7440-22-4	ug/kg	4/4/2003	1	0	96
216-A-34	C3245	B16RW5	Technetium-99	14133-76-7	pCi/g	4/4/2003	1	0	0.58
216-A-34	C3245	B16RX6	Toluene	108-88-3	ug/kg	4/4/2003	1	0	2.0
216-A-34	C3245	B16RW5	Tritium	10028-17-8	pCi/g	4/4/2003	1	0	0.17
UPR-200-E-64	C5942	B1TFN9	Cadmium	7440-43-9	ug/kg	2/11/2008	1	0	100
UPR-200-E-64	C5942	B1TFP0	Cadmium	7440-43-9	ug/kg	2/12/2008	1	0	99
UPR-200-E-64	C5942	B1TFN9	Cobalt-60	10198-40-0	pCi/g	2/11/2008	1	0	0.013
UPR-200-E-64	C5942	B1TFP0	Cobalt-60	10198-40-0	pCi/g	2/12/2008	1	0	0.064
UPR-200-E-64	C5942	B1TFN9	Europium-152	14683-23-9	pCi/g	2/11/2008	1	0	0.036
UPR-200-E-64	C5942	B1TFP0	Europium-152	14683-23-9	pCi/g	2/12/2008	1	0	0.98
UPR-200-E-64	C5942	B1TFN9	Europium-154	15585-10-1	pCi/g	2/11/2008	1	0	0.039
UPR-200-E-64	C5942	B1TFN9	Europium-155	14391-16-3	pCi/g	2/11/2008	1	0	0.053
UPR-200-E-64	C5942	B1TFP0	Europium-155	14391-16-3	pCi/g	2/12/2008	1	0	1.1
UPR-200-E-64	C5942	B1TFN9	Fluoride	16984-48-8	ug/kg	2/11/2008	1	0	294
UPR-200-E-64	C5942	B1TFP0	Fluoride	16984-48-8	ug/kg	2/12/2008	1	0	300
UPR-200-E-64	C5942	B1TFN9	Mercury	7439-97-6	ug/kg	2/11/2008	1	0	50
UPR-200-E-64	C5942	B1TFR1	Nickel-63	13981-37-8	pCi/g	2/11/2008	1	0	3.4
UPR-200-E-64	C5942	B1TFR2	Nickel-63	13981-37-8	pCi/g	2/12/2008	1	0	6.3
UPR-200-E-64	C5942	B1TFN9	Nitrite	14797-65-0	ug/kg	2/11/2008	1	0	1,610
UPR-200-E-64	C5942	B1TFP0	Nitrite	14797-65-0	ug/kg	2/12/2008	1	0	1,640
UPR-200-E-64	C5942	B1TFN9	Plutonium-238	13981-16-3	pCi/g	2/11/2008	1	0	0.049
UPR-200-E-64	C5942	B1TFN9	Silver	7440-22-4	ug/kg	2/11/2008	1	0	100
UPR-200-E-64	C5942	B1TFP0	Silver	7440-22-4	ug/kg	2/12/2008	1	0	99
UPR-200-E-64	C5942	B1TFN9	Strontium-90	10098-97-2	pCi/g	2/11/2008	1	0	0.48
UPR-200-E-64	C5942	B1TFP0	Strontium-90	10098-97-2	pCi/g	2/12/2008	1	0	12
UPR-200-E-64	C5942	B1TFR1	Technetium-99	14133-76-7	pCi/g	2/11/2008	1	0	0.39
UPR-200-E-64	C5942	B1TFR2	Technetium-99	14133-76-7	pCi/g	2/12/2008	1	0	0.74
UPR-200-E-64	C5942	B1TFR1	Tritium	10028-17-8	pCi/g	2/11/2008	1	0	4.0
UPR-200-E-64	C5942	B1TFR2	Tritium	10028-17-8	pCi/g	2/12/2008	1	0	4.2
UPR-200-E-64	C5942	B1TFP0	Uranium-235	15117-96-1	pCi/g	2/12/2008	1	0	1.3
UPR-200-E-89	299-E33-341	B1TP22	Antimony	7440-36-0	ug/kg	4/29/2008	1	0	77
UPR-200-E-89	299-E33-341	B1TP22	Cobalt-60	10198-40-0	pCi/g	4/29/2008	1	0	0.16
UPR-200-E-89	299-E33-341	B1TP22	Europium-152	14683-23-9	pCi/g	4/29/2008	1	0	0.72
UPR-200-E-89	299-E33-341	B1TP22	Europium-154	15585-10-1	pCi/g	4/29/2008	1	0	0.48
UPR-200-E-89	299-E33-341	B1TP22	Europium-155	14391-16-3	pCi/g	4/29/2008	1	0	0.86
UPR-200-E-89	299-E33-341	B1TP22	Nitrite	14797-65-0	ug/kg	4/29/2008	1	0	1,010

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	299-E33-341	B1TP22	Phosphate	14265-44-2	ug/kg	4/29/2008	1	0	1,520
UPR-200-E-89	299-E33-341	B1TP22	Selenium	7782-49-2	ug/kg	4/29/2008	1	0	1,110
UPR-200-E-89	299-E33-341	B1TP22	Silver	7440-22-4	ug/kg	4/29/2008	1	0	67
UPR-200-E-89	C8706	B33B19	2-Butanone	78-93-3	ug/kg	10/22/2015	1	0	1.8
UPR-200-E-89	C8706	B33B28	2-Butanone	78-93-3	ug/kg	10/22/2015	1	0	2.0
UPR-200-E-89	C8706	B33B16	2-Chlorophenol	95-57-8	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	2-Chlorophenol	95-57-8	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	2-Chlorophenol	95-57-8	ug/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/22/2015	1	0	139
UPR-200-E-89	C8706	B33B24	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/22/2015	1	0	138
UPR-200-E-89	C8706	B33B29	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/22/2015	1	0	138
UPR-200-E-89	C8706	B33B16	Americium-241	14596-10-2	pCi/g	10/22/2015	1	0	0.44
UPR-200-E-89	C8706	B33B24	Americium-241	14596-10-2	pCi/g	10/22/2015	1	0	0.39
UPR-200-E-89	C8706	B33B29	Americium-241	14596-10-2	pCi/g	10/22/2015	1	0	0.46
UPR-200-E-89	C8706	B33B24	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	1	0	3.5
UPR-200-E-89	C8706	B33B29	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	1	0	3.4
UPR-200-E-89	C8706	B33B16	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	Butylbenzylphthalate	85-68-7	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Butylbenzylphthalate	85-68-7	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Butylbenzylphthalate	85-68-7	ug/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B24	Carbon-14	14762-75-5	pCi/g	10/22/2015	1	0	3.5
UPR-200-E-89	C8706	B33B29	Carbon-14	14762-75-5	pCi/g	10/22/2015	1	0	3.5
UPR-200-E-89	C8706	B33B20	Cobalt-60	10198-40-0	pCi/g	10/22/2015	1	0	0.043
UPR-200-E-89	C8706	B33B29	Cobalt-60	10198-40-0	pCi/g	10/22/2015	1	0	0.042
UPR-200-E-89	C8706	B33B29	Cyanide	57-12-5	ug/kg	10/22/2015	1	0	78
UPR-200-E-89	C8706	B33B16	Diethylphthalate	84-66-2	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Diethylphthalate	84-66-2	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Diethylphthalate	84-66-2	ug/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	Di-n-butylphthalate	84-74-2	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Di-n-butylphthalate	84-74-2	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Di-n-butylphthalate	84-74-2	ug/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B24	Europium-152	14683-23-9	pCi/g	10/22/2015	1	0	0.11
UPR-200-E-89	C8706	B33B29	Europium-152	14683-23-9	pCi/g	10/22/2015	1	0	0.11
UPR-200-E-89	C8706	B33B24	Europium-154	15585-10-1	pCi/g	10/22/2015	1	0	0.11
UPR-200-E-89	C8706	B33B29	Europium-154	15585-10-1	pCi/g	10/22/2015	1	0	0.13
UPR-200-E-89	C8706	B33B20	Europium-155	14391-16-3	pCi/g	10/22/2015	1	0	0.10
UPR-200-E-89	C8706	B33B29	Europium-155	14391-16-3	pCi/g	10/22/2015	1	0	0.12
UPR-200-E-89	C8706	B33B29	Hexavalent Chromium	18540-29-9	ug/kg	10/22/2015	1	0	124
UPR-200-E-89	C8706	B33B24	Mercury	7439-97-6	ug/kg	10/22/2015	1	0	3.9
UPR-200-E-89	C8706	B33B29	Mercury	7439-97-6	ug/kg	10/22/2015	1	0	3.8
UPR-200-E-89	C8706	B33B19	Methylene chloride	75-09-2	ug/kg	10/22/2015	1	0	0.95
UPR-200-E-89	C8706	B33B28	Methylene chloride	75-09-2	ug/kg	10/22/2015	1	0	1.1
UPR-200-E-89	C8706	B33B16	Nickel-63	13981-37-8	pCi/g	10/22/2015	1	0	13
UPR-200-E-89	C8706	B33B24	Nickel-63	13981-37-8	pCi/g	10/22/2015	1	0	12
UPR-200-E-89	C8706	B33B29	Nickel-63	13981-37-8	pCi/g	10/22/2015	1	0	16
UPR-200-E-89	C8706	B33B17	Nitrite	14797-65-0	ug/kg	10/22/2015	1	0	1,110
UPR-200-E-89	C8706	B33B26	Nitrite	14797-65-0	ug/kg	10/22/2015	1	0	1,110
UPR-200-E-89	C8706	B33B31	Nitrite	14797-65-0	ug/kg	10/22/2015	1	0	1,100
UPR-200-E-89	C8706	B33B16	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	Phenol	108-95-2	ug/kg	10/22/2015	1	0	104

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8706	B33B24	Phenol	108-95-2	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Phenol	108-95-2	ug/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B17	Phosphate	14265-44-2	ug/kg	10/22/2015	1	0	2,110
UPR-200-E-89	C8706	B33B22	Phosphate	14265-44-2	ug/kg	10/22/2015	1	0	2,100
UPR-200-E-89	C8706	B33B31	Phosphate	14265-44-2	ug/kg	10/22/2015	1	0	2,090
UPR-200-E-89	C8706	B33B16	Plutonium-238	13981-16-3	pCi/g	10/22/2015	1	0	0.35
UPR-200-E-89	C8706	B33B20	Plutonium-238	13981-16-3	pCi/g	10/22/2015	1	0	0.28
UPR-200-E-89	C8706	B33B29	Plutonium-238	13981-16-3	pCi/g	10/22/2015	1	0	0.52
UPR-200-E-89	C8706	B33B16	Plutonium-239/240	PU-239/240	pCi/g	10/22/2015	1	0	0.42
UPR-200-E-89	C8706	B33B24	Plutonium-239/240	PU-239/240	pCi/g	10/22/2015	1	0	0.40
UPR-200-E-89	C8706	B33B29	Plutonium-239/240	PU-239/240	pCi/g	10/22/2015	1	0	0.54
UPR-200-E-89	C8706	B33B16	Pyrene	129-00-0	ug/kg	10/22/2015	1	0	10
UPR-200-E-89	C8706	B33B24	Pyrene	129-00-0	ug/kg	10/22/2015	1	0	10
UPR-200-E-89	C8706	B33B29	Pyrene	129-00-0	ug/kg	10/22/2015	1	0	10
UPR-200-E-89	C8706	B33B24	Silver	7440-22-4	ug/kg	10/22/2015	1	0	101
UPR-200-E-89	C8706	B33B29	Silver	7440-22-4	ug/kg	10/22/2015	1	0	97
UPR-200-E-89	C8706	B33B29	Strontium-90	10098-97-2	pCi/g	10/22/2015	1	0	1.8
UPR-200-E-89	C8706	B33B19	Styrene	100-42-5	ug/kg	10/22/2015	1	0	0.18
UPR-200-E-89	C8706	B33B28	Styrene	100-42-5	ug/kg	10/22/2015	1	0	0.20
UPR-200-E-89	C8706	B33B24	Technetium-99	14133-76-7	pCi/g	10/22/2015	1	0	10
UPR-200-E-89	C8706	B33B29	Technetium-99	14133-76-7	pCi/g	10/22/2015	1	0	11
UPR-200-E-89	C8706	B33B28	Toluene	108-88-3	ug/kg	10/22/2015	1	0	0.20
UPR-200-E-89	C8706	B33B16	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/22/2015	1	0	2,260
UPR-200-E-89	C8706	B33B24	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/22/2015	1	0	2,250
UPR-200-E-89	C8706	B33B16	Tributyl phosphate	126-73-8	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Tributyl phosphate	126-73-8	ug/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Tributyl phosphate	126-73-8	ug/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	Tritium	10028-17-8	pCi/g	10/22/2015	1	0	22
UPR-200-E-89	C8706	B33B20	Tritium	10028-17-8	pCi/g	10/22/2015	1	0	21
UPR-200-E-89	C8706	B33B29	Tritium	10028-17-8	pCi/g	10/22/2015	1	0	21
UPR-200-E-89	C8706	B33B16	Uranium-233/234	U-233/234	pCi/g	10/22/2015	1	0	0.45
UPR-200-E-89	C8706	B33B16	Uranium-235	15117-96-1	pCi/g	10/22/2015	1	0	0.38
UPR-200-E-89	C8706	B33B24	Uranium-235	15117-96-1	pCi/g	10/22/2015	1	0	0.37
UPR-200-E-89	C8706	B33B29	Uranium-235	15117-96-1	pCi/g	10/22/2015	1	0	0.41
UPR-200-E-89	C8707	B320N6	2-Chlorophenol	95-57-8	ug/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	2-Chlorophenol	95-57-8	ug/kg	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/21/2015	1	0	141
UPR-200-E-89	C8707	B320P2	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/21/2015	1	0	138
UPR-200-E-89	C8707	B320N6	Americium-241	14596-10-2	pCi/g	7/21/2015	1	0	0.29
UPR-200-E-89	C8707	B320P2	Americium-241	14596-10-2	pCi/g	7/21/2015	1	0	0.46
UPR-200-E-89	C8707	B320N6	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	Butylbenzylphthalate	85-68-7	ug/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Butylbenzylphthalate	85-68-7	ug/kg	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	Carbon-14	14762-75-5	pCi/g	7/21/2015	1	0	3.3
UPR-200-E-89	C8707	B320P2	Carbon-14	14762-75-5	pCi/g	7/21/2015	1	0	2.9
UPR-200-E-89	C8707	B320P2	Cyanide	57-12-5	ug/kg	7/21/2015	1	0	63
UPR-200-E-89	C8707	B320N6	Diethylphthalate	84-66-2	ug/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Diethylphthalate	84-66-2	ug/kg	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320P2	Mercury	7439-97-6	ug/kg	7/21/2015	1	0	4.0
UPR-200-E-89	C8707	B320N6	Nickel-63	13981-37-8	pCi/g	7/21/2015	1	0	18
UPR-200-E-89	C8707	B320P2	Nickel-63	13981-37-8	pCi/g	7/21/2015	1	0	17

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8707	B320N7	Nitrite	14797-65-0	ug/kg	7/21/2015	1	0	1,140
UPR-200-E-89	C8707	B320P3	Nitrite	14797-65-0	ug/kg	7/21/2015	1	0	1,120
UPR-200-E-89	C8707	B320N6	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	Phenol	108-95-2	ug/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Phenol	108-95-2	ug/kg	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	Plutonium-238	13981-16-3	pCi/g	7/21/2015	1	0	0.25
UPR-200-E-89	C8707	B320P2	Plutonium-238	13981-16-3	pCi/g	7/21/2015	1	0	0.62
UPR-200-E-89	C8707	B320N6	Plutonium-239/240	PU-239/240	pCi/g	7/21/2015	1	0	0.40
UPR-200-E-89	C8707	B320P2	Plutonium-239/240	PU-239/240	pCi/g	7/21/2015	1	0	0.68
UPR-200-E-89	C8707	B320N6	Pyrene	129-00-0	ug/kg	7/21/2015	1	0	11
UPR-200-E-89	C8707	B320P2	Pyrene	129-00-0	ug/kg	7/21/2015	1	0	10
UPR-200-E-89	C8707	B320P2	Selenium	7782-49-2	ug/kg	7/21/2015	1	0	339
UPR-200-E-89	C8707	B320P2	Technetium-99	14133-76-7	pCi/g	7/21/2015	1	0	12
UPR-200-E-89	C8707	B320N6	Tributyl phosphate	126-73-8	ug/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Tributyl phosphate	126-73-8	ug/kg	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	Tritium	10028-17-8	pCi/g	7/21/2015	1	0	27
UPR-200-E-89	C8707	B320P2	Tritium	10028-17-8	pCi/g	7/21/2015	1	0	24
UPR-200-E-89	C8707	B320N6	Uranium-235	15117-96-1	pCi/g	7/21/2015	1	0	0.88
UPR-200-E-89	C8707	B320P2	Uranium-235	15117-96-1	pCi/g	7/21/2015	1	0	0.71
UPR-200-E-89	C8707	B320N6	Uranium-238	U-238	pCi/g	7/21/2015	1	0	0.71
UPR-200-E-89	C8711	B320V6	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	1	0	140
UPR-200-E-89	C8711	B320W8	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	1	0	139
UPR-200-E-89	C8711	B320V6	Americium-241	14596-10-2	pCi/g	7/16/2015	1	0	0.47
UPR-200-E-89	C8711	B320W8	Americium-241	14596-10-2	pCi/g	7/16/2015	1	0	0.40
UPR-200-E-89	C8711	B320V6	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Boron	7440-42-8	ug/kg	7/16/2015	1	0	727
UPR-200-E-89	C8711	B320V6	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	Carbon-14	14762-75-5	pCi/g	7/16/2015	1	0	3.0
UPR-200-E-89	C8711	B320W8	Carbon-14	14762-75-5	pCi/g	7/16/2015	1	0	2.5
UPR-200-E-89	C8711	B320W8	Cyanide	57-12-5	ug/kg	7/16/2015	1	0	77
UPR-200-E-89	C8711	B320V6	Diethylphthalate	84-66-2	ug/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Diethylphthalate	84-66-2	ug/kg	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	Di-n-butylphthalate	84-74-2	ug/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W3	Mercury	7439-97-6	ug/kg	7/16/2015	1	0	4.0
UPR-200-E-89	C8711	B320V6	Nickel-63	13981-37-8	pCi/g	7/16/2015	1	0	15
UPR-200-E-89	C8711	B320W8	Nickel-63	13981-37-8	pCi/g	7/16/2015	1	0	15
UPR-200-E-89	C8711	B320V7	Nitrite	14797-65-0	ug/kg	7/16/2015	1	0	1,130
UPR-200-E-89	C8711	B320W9	Nitrite	14797-65-0	ug/kg	7/16/2015	1	0	1,130
UPR-200-E-89	C8711	B320V6	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	Phenol	108-95-2	ug/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Phenol	108-95-2	ug/kg	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320W9	Phosphate	14265-44-2	ug/kg	7/16/2015	1	0	2,150
UPR-200-E-89	C8711	B320V6	Plutonium-238	13981-16-3	pCi/g	7/16/2015	1	0	0.38
UPR-200-E-89	C8711	B320W3	Plutonium-238	13981-16-3	pCi/g	7/16/2015	1	0	0.21
UPR-200-E-89	C8711	B320V6	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	1	0	0.48
UPR-200-E-89	C8711	B320W3	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	1	0	0.43
UPR-200-E-89	C8711	B320V6	Pyrene	129-00-0	ug/kg	7/16/2015	1	0	11
UPR-200-E-89	C8711	B320W8	Pyrene	129-00-0	ug/kg	7/16/2015	1	0	10
UPR-200-E-89	C8711	B320W8	Selenium	7782-49-2	ug/kg	7/16/2015	1	0	300

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8711	B320W3	Silver	7440-22-4	ug/kg	7/16/2015	1	0	89
UPR-200-E-89	C8711	B320W3	Technetium-99	14133-76-7	pCi/g	7/16/2015	1	0	11
UPR-200-E-89	C8711	B320V6	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	Tritium	10028-17-8	pCi/g	7/16/2015	1	0	14
UPR-200-E-89	C8711	B320W3	Tritium	10028-17-8	pCi/g	7/16/2015	1	0	16
UPR-200-E-89	C8711	B320V6	Uranium-233/234	U-233/234	pCi/g	7/16/2015	1	0	0.58
UPR-200-E-89	C8711	B320V6	Uranium-235	15117-96-1	pCi/g	7/16/2015	1	0	0.31
UPR-200-E-89	C8711	B320W3	Uranium-235	15117-96-1	pCi/g	7/16/2015	1	0	0.28
UPR-200-E-89	C9549	B33122	2-Chlorophenol	95-57-8	ug/kg	10/6/2015	1	0	105
UPR-200-E-89	C9549	B33122	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/6/2015	1	0	139
UPR-200-E-89	C9549	B33122	Americium-241	14596-10-2	pCi/g	10/6/2015	1	0	0.19
UPR-200-E-89	C9549	B33122	Butylbenzylphthalate	85-68-7	ug/kg	10/6/2015	1	0	105
UPR-200-E-89	C9549	B33122	Carbon-14	14762-75-5	pCi/g	10/6/2015	1	0	4.1
UPR-200-E-89	C9549	B33122	Diethylphthalate	84-66-2	ug/kg	10/6/2015	1	0	105
UPR-200-E-89	C9549	B33122	Nickel-63	13981-37-8	pCi/g	10/6/2015	1	0	12
UPR-200-E-89	C9549	B33123	Nitrite	14797-65-0	ug/kg	10/6/2015	1	0	1,130
UPR-200-E-89	C9549	B33122	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/6/2015	1	0	105
UPR-200-E-89	C9549	B33122	Phenol	108-95-2	ug/kg	10/6/2015	1	0	105
UPR-200-E-89	C9549	B33122	Plutonium-238	13981-16-3	pCi/g	10/6/2015	1	0	0.57
UPR-200-E-89	C9549	B33122	Plutonium-239/240	PU-239/240	pCi/g	10/6/2015	1	0	0.75
UPR-200-E-89	C9549	B33122	Pyrene	129-00-0	ug/kg	10/6/2015	1	0	11
UPR-200-E-89	C9549	B33122	Technetium-99	14133-76-7	pCi/g	10/6/2015	1	0	9.5
UPR-200-E-89	C9549	B33122	Tributyl phosphate	126-73-8	ug/kg	10/6/2015	1	0	105
UPR-200-E-89	C9549	B33122	Tritium	10028-17-8	pCi/g	10/6/2015	1	0	27
UPR-200-E-89	C9549	B33122	Uranium-235	15117-96-1	pCi/g	10/6/2015	1	0	0.19
UPR-200-E-89	C9550	B320W0	2-Chlorophenol	95-57-8	ug/kg	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/1/2015	1	0	139
UPR-200-E-89	C9550	B320W0	Americium-241	14596-10-2	pCi/g	10/1/2015	1	0	0.16
UPR-200-E-89	C9550	B320W0	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	Butylbenzylphthalate	85-68-7	ug/kg	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	Carbon-14	14762-75-5	pCi/g	10/1/2015	1	0	4.4
UPR-200-E-89	C9550	B320W0	Cyanide	57-12-5	ug/kg	10/1/2015	1	0	84
UPR-200-E-89	C9550	B320W0	Diethylphthalate	84-66-2	ug/kg	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	Nickel-63	13981-37-8	pCi/g	10/1/2015	1	0	12
UPR-200-E-89	C9550	B32195	Nitrite	14797-65-0	ug/kg	10/1/2015	1	0	1,120
UPR-200-E-89	C9550	B320W0	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	Phenol	108-95-2	ug/kg	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	Plutonium-238	13981-16-3	pCi/g	10/1/2015	1	0	0.21
UPR-200-E-89	C9550	B320W0	Plutonium-239/240	PU-239/240	pCi/g	10/1/2015	1	0	0.39
UPR-200-E-89	C9550	B320W0	Pyrene	129-00-0	ug/kg	10/1/2015	1	0	11
UPR-200-E-89	C9550	B320W0	Selenium	7782-49-2	ug/kg	10/1/2015	1	0	345
UPR-200-E-89	C9550	B320W0	Strontium-90	10098-97-2	pCi/g	10/1/2015	1	0	1.9
UPR-200-E-89	C9550	B320W0	Technetium-99	14133-76-7	pCi/g	10/1/2015	1	0	10.0
UPR-200-E-89	C9550	B320W0	Tributyl phosphate	126-73-8	ug/kg	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	Tritium	10028-17-8	pCi/g	10/1/2015	1	0	28
UPR-200-E-89	C9550	B320W0	Uranium-235	15117-96-1	pCi/g	10/1/2015	1	0	0.21
UPR-200-W-99	299-W14-15	B0YVY7	2-Chlorophenol	95-57-8	ug/kg	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YVY7	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YVY5	Americium-241	14596-10-2	pCi/g	8/22/2000	1	0	0.028
UPR-200-W-99	299-W14-15	B0YVY7	Americium-241	14596-10-2	pCi/g	8/22/2000	1	0	0.028
UPR-200-W-99	299-W14-15	B0YVY7	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YVY5	Cobalt-60	10198-40-0	pCi/g	8/22/2000	1	0	0.024
UPR-200-W-99	299-W14-15	B0YVY7	Cobalt-60	10198-40-0	pCi/g	8/22/2000	1	0	0.034

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-W-99	299-W14-15	B0YVY7	Cyanide	57-12-5	ug/kg	8/22/2000	1	0	480
UPR-200-W-99	299-W14-15	B0YVY7	Diethylphthalate	84-66-2	ug/kg	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YVY7	Di-n-butylphthalate	84-74-2	ug/kg	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YVY5	Europium-152	14683-23-9	pCi/g	8/22/2000	1	0	0.098
UPR-200-W-99	299-W14-15	B0YVY7	Europium-152	14683-23-9	pCi/g	8/22/2000	1	0	0.096
UPR-200-W-99	299-W14-15	B0YVY5	Europium-154	15585-10-1	pCi/g	8/22/2000	1	0	0.10
UPR-200-W-99	299-W14-15	B0YVY7	Europium-154	15585-10-1	pCi/g	8/22/2000	1	0	0.11
UPR-200-W-99	299-W14-15	B0YVY5	Europium-155	14391-16-3	pCi/g	8/22/2000	1	0	0.088
UPR-200-W-99	299-W14-15	B0YVY7	Europium-155	14391-16-3	pCi/g	8/22/2000	1	0	0.076
UPR-200-W-99	299-W14-15	B0YVY7	Mercury	7439-97-6	ug/kg	8/22/2000	1	0	20
UPR-200-W-99	299-W14-15	B0YVY7	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YVY7	Phenol	108-95-2	ug/kg	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YVY5	Plutonium-238	13981-16-3	pCi/g	8/22/2000	1	0	0.030
UPR-200-W-99	299-W14-15	B0YVY7	Plutonium-238	13981-16-3	pCi/g	8/22/2000	1	0	0.023
UPR-200-W-99	299-W14-15	B0YVY5	Plutonium-239/240	PU-239/240	pCi/g	8/22/2000	1	0	0.023
UPR-200-W-99	299-W14-15	B0YVY7	Pyrene	129-00-0	ug/kg	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YVY7	Selenium	7782-49-2	ug/kg	8/22/2000	1	0	400
UPR-200-W-99	299-W14-15	B0YVY7	Silver	7440-22-4	ug/kg	8/22/2000	1	0	100
UPR-200-W-99	299-W14-15	B0YVY7	Styrene	100-42-5	ug/kg	8/22/2000	1	0	6.0
UPR-200-W-99	299-W14-15	B0YVY7	Sulfide	18496-25-8	ug/kg	8/22/2000	1	0	20,600
UPR-200-W-99	299-W14-15	B0YVY5	Technetium-99	14133-76-7	pCi/g	8/22/2000	1	0	0.59
UPR-200-W-99	299-W14-15	B0YVY6	Technetium-99	14133-76-7	pCi/g	8/22/2000	1	0	0.48
UPR-200-W-99	299-W14-15	B0YVY7	Toluene	108-88-3	ug/kg	8/22/2000	1	0	6.0
UPR-200-W-99	299-W14-15	B0YVY5	Tritium	10028-17-8	pCi/g	8/22/2000	1	0	0.092
UPR-200-W-99	299-W14-15	B0YVY6	Tritium	10028-17-8	pCi/g	8/22/2000	1	0	0.091
UPR-200-W-99	299-W14-15	B0YVY5	Uranium-235	15117-96-1	pCi/g	8/22/2000	1	0	0.13
UPR-200-W-99	299-W14-15	B0YVY6	Uranium-235	15117-96-1	pCi/g	8/22/2000	1	0	0.17
UPR-200-W-99	299-W14-19	B15VT5	2-Butanone	78-93-3	ug/kg	10/28/2002	1	0	12
UPR-200-W-99	299-W14-19	B15VT5	Acetone	67-64-1	ug/kg	10/28/2002	1	0	12
UPR-200-W-99	299-W14-19	B15VT5	Americium-241	14596-10-2	pCi/g	10/28/2002	1	0	0.28
UPR-200-W-99	299-W14-19	B15VT5	Ammonia	7664-41-7	ug/kg	10/28/2002	1	0	3,650
UPR-200-W-99	299-W14-19	B15VT5	Antimony	7440-36-0	ug/kg	10/28/2002	1	0	190
UPR-200-W-99	299-W14-19	B15VT5	Antimony-125	14234-35-6	pCi/g	10/28/2002	1	0	0.22
UPR-200-W-99	299-W14-19	B15VT5	Aroclor-1260	11096-82-5	ug/kg	10/28/2002	1	0	38
UPR-200-W-99	299-W14-19	B15VT5	Butylbenzylphthalate	85-68-7	ug/kg	10/28/2002	1	0	380
UPR-200-W-99	299-W14-19	B15VT5	Cadmium	7440-43-9	ug/kg	10/28/2002	1	0	50
UPR-200-W-99	299-W14-19	B15VT5	Cesium-134	13967-70-9	pCi/g	10/28/2002	1	0	0.12
UPR-200-W-99	299-W14-19	B15VT5	Cesium-137	10045-97-3	pCi/g	10/28/2002	1	0	0.10
UPR-200-W-99	299-W14-19	B15VT5	Cobalt-60	10198-40-0	pCi/g	10/28/2002	1	0	0.10
UPR-200-W-99	299-W14-19	B15VT5	Cyanide	57-12-5	ug/kg	10/28/2002	1	0	550
UPR-200-W-99	299-W14-19	B15VT5	Diethylphthalate	84-66-2	ug/kg	10/28/2002	1	0	380
UPR-200-W-99	299-W14-19	B15VT5	Europium-152	14683-23-9	pCi/g	10/28/2002	1	0	0.23
UPR-200-W-99	299-W14-19	B15VT5	Europium-154	15585-10-1	pCi/g	10/28/2002	1	0	0.35
UPR-200-W-99	299-W14-19	B15VT5	Europium-155	14391-16-3	pCi/g	10/28/2002	1	0	0.19
UPR-200-W-99	299-W14-19	B15VT5	Mercury	7439-97-6	ug/kg	10/28/2002	1	0	20
UPR-200-W-99	299-W14-19	B15VT5	Nickel-63	13981-37-8	pCi/g	10/28/2002	1	0	2.2
UPR-200-W-99	299-W14-19	B15VT5	Nitrite	14797-65-0	ug/kg	10/28/2002	1	0	1,440
UPR-200-W-99	299-W14-19	B15VT5	Plutonium-238	13981-16-3	pCi/g	10/28/2002	1	0	0.19
UPR-200-W-99	299-W14-19	B15VT5	Plutonium-239/240	PU-239/240	pCi/g	10/28/2002	1	0	0.19
UPR-200-W-99	299-W14-19	B15VT5	Silver	7440-22-4	ug/kg	10/28/2002	1	0	160
UPR-200-W-99	299-W14-19	B15VT5	Strontium-90	10098-97-2	pCi/g	10/28/2002	1	0	0.20
UPR-200-W-99	299-W14-19	B15VT5	Styrene	100-42-5	ug/kg	10/28/2002	1	0	6.0
UPR-200-W-99	299-W14-19	B15VT5	Technetium-99	14133-76-7	pCi/g	10/28/2002	1	0	0.61
UPR-200-W-99	299-W14-19	B15VT5	Toluene	108-88-3	ug/kg	10/28/2002	1	0	6.0

Table 8. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Human Health Risk Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-W-99	299-W14-19	B15VT5	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	1	0	380
UPR-200-W-99	299-W14-19	B15VT5	Tritium	10028-17-8	pCi/g	10/28/2002	1	0	0.19
UPR-200-W-99	299-W14-19	B15VT5	Uranium-233/234	U-233/234	pCi/g	10/28/2002	1	0	0.35
UPR-200-W-99	299-W14-19	B15VT5	Uranium-235	15117-96-1	pCi/g	10/28/2002	1	0	0.42
UPR-200-W-99	299-W14-20	B20KP2	2-Chlorophenol	95-57-8	ug/kg	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B20KP2	4-Chloro-3-methylphenol	59-50-7	ug/kg	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B20KP2	Antimony-125	14234-35-6	pCi/g	5/12/2009	1	0	0.030
UPR-200-W-99	299-W14-20	B20KP2	Cadmium	7440-43-9	ug/kg	5/12/2009	1	0	99
UPR-200-W-99	299-W14-20	B20KP2	Carbon-14	14762-75-5	pCi/g	5/12/2009	1	0	2.9
UPR-200-W-99	299-W14-20	B20KP2	Cesium-134	13967-70-9	pCi/g	5/12/2009	1	0	0.014
UPR-200-W-99	299-W14-20	B20KP2	Cobalt-60	10198-40-0	pCi/g	5/12/2009	1	0	0.010
UPR-200-W-99	299-W14-20	B20KP2	Cyanide	57-12-5	ug/kg	5/12/2009	1	0	200
UPR-200-W-99	299-W14-20	B20KP2	Europium-152	14683-23-9	pCi/g	5/12/2009	1	0	0.033
UPR-200-W-99	299-W14-20	B20KP2	Europium-154	15585-10-1	pCi/g	5/12/2009	1	0	0.031
UPR-200-W-99	299-W14-20	B20KP2	Europium-155	14391-16-3	pCi/g	5/12/2009	1	0	0.046
UPR-200-W-99	299-W14-20	B20KP2	Mercury	7439-97-6	ug/kg	5/12/2009	1	0	50
UPR-200-W-99	299-W14-20	B20KP2	Nickel-63	13981-37-8	pCi/g	5/12/2009	1	0	3.3
UPR-200-W-99	299-W14-20	B20KP2	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B20KP2	Phenol	108-95-2	ug/kg	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B20KP2	Plutonium-238	13981-16-3	pCi/g	5/12/2009	1	0	0.074
UPR-200-W-99	299-W14-20	B20KP2	Plutonium-239/240	PU-239/240	pCi/g	5/12/2009	1	0	0.016
UPR-200-W-99	299-W14-20	B20KP2	Pyrene	129-00-0	ug/kg	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B20KP2	Silver	7440-22-4	ug/kg	5/12/2009	1	0	99
UPR-200-W-99	299-W14-20	B20KP2	Strontium-90	10098-97-2	pCi/g	5/12/2009	1	0	0.32
UPR-200-W-99	299-W14-20	B20KP2	Technetium-99	14133-76-7	pCi/g	5/12/2009	1	0	0.38
UPR-200-W-99	299-W14-20	B20KP2	Tributyl phosphate	126-73-8	ug/kg	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B20KP2	Tritium	10028-17-8	pCi/g	5/12/2009	1	0	3.6

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	299-E27-26	B34JP2	2-Hydroxyacetate	GLYCOLATE	ug/kg	2/22/2016	2/22/2016	1	0	160
200-E-115	299-E27-26	B34JP7	2-Hydroxyacetate	GLYCOLATE	ug/kg	2/22/2016	2/22/2016	1	0	160
200-E-115	299-E27-26	B34JR9	2-Hydroxyacetate	GLYCOLATE	ug/kg	2/19/2016	2/19/2016	1	0	160
200-E-115	299-E27-26	B34JR9	Acetate	71-50-1	ug/kg	2/19/2016	2/19/2016	1	0	280
200-E-115	299-E27-26	B34JN6	Americium-241	14596-10-2	pCi/g	2/19/2016	2/19/2016	1	0	0.015
200-E-115	299-E27-26	B34JP2	Americium-241	14596-10-2	pCi/g	2/22/2016	2/22/2016	1	0	0.016
200-E-115	299-E27-26	B34JP7	Americium-241	14596-10-2	pCi/g	2/22/2016	2/22/2016	1	0	0.012
200-E-115	299-E27-26	B34JR9	Americium-241	14596-10-2	pCi/g	2/19/2016	2/19/2016	1	0	0.016
200-E-115	299-E27-26	B34JN6	Antimony-125	14234-35-6	pCi/g	2/19/2016	2/19/2016	1	0	0.55
200-E-115	299-E27-26	B34JP2	Antimony-125	14234-35-6	pCi/g	2/22/2016	2/22/2016	1	0	0.33
200-E-115	299-E27-26	B34JP7	Antimony-125	14234-35-6	pCi/g	2/22/2016	2/22/2016	1	0	0.24
200-E-115	299-E27-26	B34JR9	Antimony-125	14234-35-6	pCi/g	2/19/2016	2/19/2016	1	0	0.31
200-E-115	299-E27-26	B34JN6	Beryllium	7440-41-7	ug/kg	2/19/2016	2/19/2016	1	0	219
200-E-115	299-E27-26	B34JP2	Beryllium	7440-41-7	ug/kg	2/22/2016	2/22/2016	1	0	204
200-E-115	299-E27-26	B34JP7	Beryllium	7440-41-7	ug/kg	2/22/2016	2/22/2016	1	0	209
200-E-115	299-E27-26	B34JR9	Beryllium	7440-41-7	ug/kg	2/19/2016	2/19/2016	1	0	203
200-E-115	299-E27-26	B34JN6	Bismuth	7440-69-9	ug/kg	2/19/2016	2/19/2016	1	0	4,160
200-E-115	299-E27-26	B34JP2	Bismuth	7440-69-9	ug/kg	2/22/2016	2/22/2016	1	0	3,880
200-E-115	299-E27-26	B34JP7	Bismuth	7440-69-9	ug/kg	2/22/2016	2/22/2016	1	0	3,960
200-E-115	299-E27-26	B34JR9	Bismuth	7440-69-9	ug/kg	2/19/2016	2/19/2016	1	0	3,860
200-E-115	299-E27-26	B34JN6	Carbon-14	14762-75-5	pCi/g	2/19/2016	2/19/2016	1	0	0.63
200-E-115	299-E27-26	B34JP2	Carbon-14	14762-75-5	pCi/g	2/22/2016	2/22/2016	1	0	0.70
200-E-115	299-E27-26	B34JP7	Carbon-14	14762-75-5	pCi/g	2/22/2016	2/22/2016	1	0	0.53
200-E-115	299-E27-26	B34JR9	Carbon-14	14762-75-5	pCi/g	2/19/2016	2/19/2016	1	0	0.39
200-E-115	299-E27-26	B34JN6	Cerium	7440-45-1	ug/kg	2/19/2016	2/19/2016	1	0	5,470
200-E-115	299-E27-26	B34JP2	Cerium	7440-45-1	ug/kg	2/22/2016	2/22/2016	1	0	5,110
200-E-115	299-E27-26	B34JP7	Cerium	7440-45-1	ug/kg	2/22/2016	2/22/2016	1	0	5,210
200-E-115	299-E27-26	B34JR9	Cerium	7440-45-1	ug/kg	2/19/2016	2/19/2016	1	0	5,070
200-E-115	299-E27-26	B34JN6	Cesium-137	10045-97-3	pCi/g	2/19/2016	2/19/2016	1	0	0.20
200-E-115	299-E27-26	B34JP2	Cesium-137	10045-97-3	pCi/g	2/22/2016	2/22/2016	1	0	0.20
200-E-115	299-E27-26	B34JP7	Cesium-137	10045-97-3	pCi/g	2/22/2016	2/22/2016	1	0	0.13
200-E-115	299-E27-26	B34JR9	Cesium-137	10045-97-3	pCi/g	2/19/2016	2/19/2016	1	0	0.16
200-E-115	299-E27-26	B34JN6	Cobalt-60	10198-40-0	pCi/g	2/19/2016	2/19/2016	1	0	0.20
200-E-115	299-E27-26	B34JP2	Cobalt-60	10198-40-0	pCi/g	2/22/2016	2/22/2016	1	0	0.17
200-E-115	299-E27-26	B34JP7	Cobalt-60	10198-40-0	pCi/g	2/22/2016	2/22/2016	1	0	0.12
200-E-115	299-E27-26	B34JR9	Cobalt-60	10198-40-0	pCi/g	2/19/2016	2/19/2016	1	0	0.15
200-E-115	299-E27-26	B34JN6	Cyanide	57-12-5	ug/kg	2/19/2016	2/19/2016	1	0	385
200-E-115	299-E27-26	B34JP2	Cyanide	57-12-5	ug/kg	2/22/2016	2/22/2016	1	0	385
200-E-115	299-E27-26	B34JP7	Cyanide	57-12-5	ug/kg	2/22/2016	2/22/2016	1	0	355
200-E-115	299-E27-26	B34JR9	Cyanide	57-12-5	ug/kg	2/19/2016	2/19/2016	1	0	373
200-E-115	299-E27-26	B34JP7	Europium	7440-53-1	ug/kg	2/22/2016	2/22/2016	1	0	209
200-E-115	299-E27-26	B34JN6	Europium-152	14683-23-9	pCi/g	2/19/2016	2/19/2016	1	0	0.59
200-E-115	299-E27-26	B34JP2	Europium-152	14683-23-9	pCi/g	2/22/2016	2/22/2016	1	0	0.35
200-E-115	299-E27-26	B34JP7	Europium-152	14683-23-9	pCi/g	2/22/2016	2/22/2016	1	0	0.24
200-E-115	299-E27-26	B34JR9	Europium-152	14683-23-9	pCi/g	2/19/2016	2/19/2016	1	0	0.35
200-E-115	299-E27-26	B34JN6	Europium-154	15585-10-1	pCi/g	2/19/2016	2/19/2016	1	0	0.52
200-E-115	299-E27-26	B34JP2	Europium-154	15585-10-1	pCi/g	2/22/2016	2/22/2016	1	0	0.46
200-E-115	299-E27-26	B34JP7	Europium-154	15585-10-1	pCi/g	2/22/2016	2/22/2016	1	0	0.26
200-E-115	299-E27-26	B34JR9	Europium-154	15585-10-1	pCi/g	2/19/2016	2/19/2016	1	0	0.36
200-E-115	299-E27-26	B34JN6	Europium-155	14391-16-3	pCi/g	2/19/2016	2/19/2016	1	0	0.64
200-E-115	299-E27-26	B34JP2	Europium-155	14391-16-3	pCi/g	2/22/2016	2/22/2016	1	0	0.48
200-E-115	299-E27-26	B34JP7	Europium-155	14391-16-3	pCi/g	2/22/2016	2/22/2016	1	0	0.20
200-E-115	299-E27-26	B34JR9	Europium-155	14391-16-3	pCi/g	2/19/2016	2/19/2016	1	0	0.25
200-E-115	299-E27-26	B34JN6	Molybdenum	7439-98-7	ug/kg	2/19/2016	2/19/2016	1	0	438

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	299-E27-26	B34JP2	Molybdenum	7439-98-7	ug/kg	2/22/2016	2/22/2016	1	0	409
200-E-115	299-E27-26	B34JR9	Molybdenum	7439-98-7	ug/kg	2/19/2016	2/19/2016	1	0	406
200-E-115	299-E27-26	B34JN6	Nickel-63	13981-37-8	pCi/g	2/19/2016	2/19/2016	1	0	1.4
200-E-115	299-E27-26	B34JP2	Nickel-63	13981-37-8	pCi/g	2/22/2016	2/22/2016	1	0	1.3
200-E-115	299-E27-26	B34JP7	Nickel-63	13981-37-8	pCi/g	2/22/2016	2/22/2016	1	0	1.4
200-E-115	299-E27-26	B34JR9	Nickel-63	13981-37-8	pCi/g	2/19/2016	2/19/2016	1	0	1.4
200-E-115	299-E27-26	B34JR9	Nitrite	14797-65-0	ug/kg	2/19/2016	2/19/2016	1	0	700
200-E-115	299-E27-26	B34JN6	Plutonium-238	13981-16-3	pCi/g	2/19/2016	2/19/2016	1	0	0.017
200-E-115	299-E27-26	B34JP2	Plutonium-238	13981-16-3	pCi/g	2/22/2016	2/22/2016	1	0	0.019
200-E-115	299-E27-26	B34JP7	Plutonium-238	13981-16-3	pCi/g	2/22/2016	2/22/2016	1	0	0.018
200-E-115	299-E27-26	B34JR9	Plutonium-238	13981-16-3	pCi/g	2/19/2016	2/19/2016	1	0	0.018
200-E-115	299-E27-26	B34JN6	Plutonium-239/240	PU-239/240	pCi/g	2/19/2016	2/19/2016	1	0	0.0090
200-E-115	299-E27-26	B34JP2	Plutonium-239/240	PU-239/240	pCi/g	2/22/2016	2/22/2016	1	0	0.012
200-E-115	299-E27-26	B34JP7	Plutonium-239/240	PU-239/240	pCi/g	2/22/2016	2/22/2016	1	0	0.012
200-E-115	299-E27-26	B34JR9	Plutonium-239/240	PU-239/240	pCi/g	2/19/2016	2/19/2016	1	0	0.015
200-E-115	299-E27-26	B34JN6	Praseodymium	7440-10-0	ug/kg	2/19/2016	2/19/2016	1	0	5,690
200-E-115	299-E27-26	B34JP2	Praseodymium	7440-10-0	ug/kg	2/22/2016	2/22/2016	1	0	5,310
200-E-115	299-E27-26	B34JP7	Praseodymium	7440-10-0	ug/kg	2/22/2016	2/22/2016	1	0	5,420
200-E-115	299-E27-26	B34JR9	Praseodymium	7440-10-0	ug/kg	2/19/2016	2/19/2016	1	0	5,280
200-E-115	299-E27-26	B34JN6	Ruthenium	7440-18-8	ug/kg	2/19/2016	2/19/2016	1	0	1,090
200-E-115	299-E27-26	B34JP2	Ruthenium	7440-18-8	ug/kg	2/22/2016	2/22/2016	1	0	1,020
200-E-115	299-E27-26	B34JP7	Ruthenium	7440-18-8	ug/kg	2/22/2016	2/22/2016	1	0	1,040
200-E-115	299-E27-26	B34JR9	Ruthenium	7440-18-8	ug/kg	2/19/2016	2/19/2016	1	0	1,010
200-E-115	299-E27-26	B34JN6	Selenium-79	15758-45-9	pCi/g	2/19/2016	2/19/2016	1	0	0.11
200-E-115	299-E27-26	B34JP2	Selenium-79	15758-45-9	pCi/g	2/22/2016	2/22/2016	1	0	0.11
200-E-115	299-E27-26	B34JP7	Selenium-79	15758-45-9	pCi/g	2/22/2016	2/22/2016	1	0	0.095
200-E-115	299-E27-26	B34JR9	Selenium-79	15758-45-9	pCi/g	2/19/2016	2/19/2016	1	0	0.11
200-E-115	299-E27-26	B34JN6	Strontium-90	10098-97-2	pCi/g	2/19/2016	2/19/2016	1	0	0.13
200-E-115	299-E27-26	B34JP2	Strontium-90	10098-97-2	pCi/g	2/22/2016	2/22/2016	1	0	0.13
200-E-115	299-E27-26	B34JP7	Strontium-90	10098-97-2	pCi/g	2/22/2016	2/22/2016	1	0	0.11
200-E-115	299-E27-26	B34JR9	Strontium-90	10098-97-2	pCi/g	2/19/2016	2/19/2016	1	0	0.18
200-E-115	299-E27-26	B34JP2	Tellurium	13494-80-9	ug/kg	2/22/2016	2/22/2016	1	0	1,840
200-E-115	299-E27-26	B34JP7	Tellurium	13494-80-9	ug/kg	2/22/2016	2/22/2016	1	0	1,880
200-E-115	299-E27-26	B34JN6	Tin	7440-31-5	ug/kg	2/19/2016	2/19/2016	1	0	1,750
200-E-115	299-E27-26	B34JP2	Tin	7440-31-5	ug/kg	2/22/2016	2/22/2016	1	0	1,630
200-E-115	299-E27-26	B34JP7	Tin	7440-31-5	ug/kg	2/22/2016	2/22/2016	1	0	1,670
200-E-115	299-E27-26	B34JR9	Tin	7440-31-5	ug/kg	2/19/2016	2/19/2016	1	0	1,620
200-E-115	299-E27-26	B34JN6	Tritium	10028-17-8	pCi/g	2/19/2016	2/19/2016	1	0	7.3
200-E-115	299-E27-26	B34JP2	Tritium	10028-17-8	pCi/g	2/22/2016	2/22/2016	1	0	6.8
200-E-115	299-E27-26	B34JP7	Tritium	10028-17-8	pCi/g	2/22/2016	2/22/2016	1	0	7.0
200-E-115	299-E27-26	B34JR9	Tritium	10028-17-8	pCi/g	2/19/2016	2/19/2016	1	0	7.4
200-E-115	299-E27-26	B34JN6	Tungsten	7440-33-7	ug/kg	2/19/2016	2/19/2016	1	0	3,500
200-E-115	299-E27-26	B34JP2	Tungsten	7440-33-7	ug/kg	2/22/2016	2/22/2016	1	0	3,270
200-E-115	299-E27-26	B34JP7	Tungsten	7440-33-7	ug/kg	2/22/2016	2/22/2016	1	0	3,340
200-E-115	299-E27-26	B34JR9	Tungsten	7440-33-7	ug/kg	2/19/2016	2/19/2016	1	0	3,250
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2051-24-3	ug/kg	8/29/2010	8/29/2010	1	0	3.20E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2051-24-3	ug/kg	8/29/2010	8/29/2010	1	0	2.80E-04
200-E-115	C7680	B26C26	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9	ug/kg	8/27/2010	8/27/2010	1	0	3.30E-04
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9	ug/kg	8/29/2010	8/29/2010	1	0	3.20E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9	ug/kg	8/29/2010	8/29/2010	1	0	2.50E-04

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C26	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	ug/kg	8/27/2010	8/27/2010	1	0	2.30E-04
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	ug/kg	8/29/2010	8/29/2010	1	0	2.20E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	ug/kg	8/29/2010	8/29/2010	1	0	1.90E-04
200-E-115	C7680	B26C26	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/27/2010	8/27/2010	1	0	2.40E-04
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/29/2010	8/29/2010	1	0	2.30E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/29/2010	8/29/2010	1	0	1.80E-04
200-E-115	C7680	B26C26	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/27/2010	8/27/2010	1	0	3.50E-04
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/29/2010	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/29/2010	8/29/2010	1	0	2.60E-04
200-E-115	C7680	B26C26	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/27/2010	8/27/2010	1	0	2.50E-04
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/29/2010	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/29/2010	8/29/2010	1	0	2.00E-04
200-E-115	C7680	B26C26	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	ug/kg	8/27/2010	8/27/2010	1	0	4.50E-04
200-E-115	C7680	B26C28	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	ug/kg	8/29/2010	8/29/2010	1	0	4.40E-04
200-E-115	C7680	B26C30	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	ug/kg	8/29/2010	8/29/2010	1	0	3.70E-04
200-E-115	C7680	B26C26	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/27/2010	8/27/2010	1	0	2.50E-04
200-E-115	C7680	B26C28	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/29/2010	8/29/2010	1	0	2.50E-04
200-E-115	C7680	B26C30	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/29/2010	8/29/2010	1	0	2.00E-04
200-E-115	C7680	B26C26	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/27/2010	8/27/2010	1	0	2.60E-04
200-E-115	C7680	B26C28	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/29/2010	8/29/2010	1	0	2.20E-04
200-E-115	C7680	B26C30	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/29/2010	8/29/2010	1	0	1.90E-04
200-E-115	C7680	B26C26	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/27/2010	8/27/2010	1	0	2.50E-04
200-E-115	C7680	B26C28	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/29/2010	8/29/2010	1	0	2.20E-04
200-E-115	C7680	B26C30	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/29/2010	8/29/2010	1	0	1.90E-04
200-E-115	C7680	B26C26	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	ug/kg	8/27/2010	8/27/2010	1	0	3.60E-04
200-E-115	C7680	B26C28	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	ug/kg	8/29/2010	8/29/2010	1	0	3.40E-04
200-E-115	C7680	B26C30	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	ug/kg	8/29/2010	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C26	2,2',3,3',4',5,6-Heptachlorobiphenyl	52663-70-4	ug/kg	8/27/2010	8/27/2010	1	0	3.70E-04
200-E-115	C7680	B26C28	2,2',3,3',4',5,6-Heptachlorobiphenyl	52663-70-4	ug/kg	8/29/2010	8/29/2010	1	0	3.50E-04
200-E-115	C7680	B26C30	2,2',3,3',4',5,6-Heptachlorobiphenyl	52663-70-4	ug/kg	8/29/2010	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C26	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/27/2010	8/27/2010	1	0	2.70E-04
200-E-115	C7680	B26C28	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/29/2010	8/29/2010	1	0	2.50E-04
200-E-115	C7680	B26C30	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/29/2010	8/29/2010	1	0	2.20E-04
200-E-115	C7680	B26C26	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/27/2010	8/27/2010	1	0	5.40E-04
200-E-115	C7680	B26C28	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/29/2010	8/29/2010	1	0	4.60E-04
200-E-115	C7680	B26C30	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/29/2010	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26JK8	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/26/2010	8/26/2010	1	0	3.40E-04
200-E-115	C7680	B26C26	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/27/2010	8/27/2010	1	0	2.80E-04

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C28	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/29/2010	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C30	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/29/2010	8/29/2010	1	0	2.10E-04
200-E-115	C7680	B26C26	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/27/2010	8/27/2010	1	0	3.80E-04
200-E-115	C7680	B26C28	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/29/2010	8/29/2010	1	0	3.50E-04
200-E-115	C7680	B26C30	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/29/2010	8/29/2010	1	0	3.20E-04
200-E-115	C7680	B26C26	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/27/2010	8/27/2010	1	0	2.80E-04
200-E-115	C7680	B26C28	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/29/2010	8/29/2010	1	0	2.60E-04
200-E-115	C7680	B26C30	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/29/2010	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C26	2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	ug/kg	8/27/2010	8/27/2010	1	0	5.10E-04
200-E-115	C7680	B26C28	2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	ug/kg	8/29/2010	8/29/2010	1	0	4.10E-04
200-E-115	C7680	B26C30	2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	ug/kg	8/29/2010	8/29/2010	1	0	3.90E-04
200-E-115	C7680	B26C26	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	ug/kg	8/27/2010	8/27/2010	1	0	3.30E-04
200-E-115	C7680	B26C28	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	ug/kg	8/29/2010	8/29/2010	1	0	2.80E-04
200-E-115	C7680	B26C30	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	ug/kg	8/29/2010	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C26	2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	ug/kg	8/27/2010	8/27/2010	1	0	3.20E-04
200-E-115	C7680	B26C28	2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	ug/kg	8/29/2010	8/29/2010	1	0	2.70E-04
200-E-115	C7680	B26C26	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/27/2010	8/27/2010	1	0	4.90E-04
200-E-115	C7680	B26C28	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/29/2010	8/29/2010	1	0	4.20E-04
200-E-115	C7680	B26C30	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/29/2010	8/29/2010	1	0	3.70E-04
200-E-115	C7680	B26JK8	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/26/2010	8/26/2010	1	0	3.10E-04
200-E-115	C7680	B26C26	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/27/2010	8/27/2010	1	0	4.50E-04
200-E-115	C7680	B26C28	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/29/2010	8/29/2010	1	0	3.90E-04
200-E-115	C7680	B26C30	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/29/2010	8/29/2010	1	0	3.30E-04
200-E-115	C7680	B26JK8	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/26/2010	8/26/2010	1	0	2.90E-04
200-E-115	C7680	B26C26	2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	ug/kg	8/27/2010	8/27/2010	1	0	5.10E-04
200-E-115	C7680	B26C28	2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	ug/kg	8/29/2010	8/29/2010	1	0	4.10E-04
200-E-115	C7680	B26C30	2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	ug/kg	8/29/2010	8/29/2010	1	0	3.90E-04
200-E-115	C7680	B26C26	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	ug/kg	8/27/2010	8/27/2010	1	0	4.50E-04
200-E-115	C7680	B26C28	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	ug/kg	8/29/2010	8/29/2010	1	0	3.70E-04
200-E-115	C7680	B26C30	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	ug/kg	8/29/2010	8/29/2010	1	0	3.60E-04
200-E-115	C7680	B26C26	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/27/2010	8/27/2010	1	0	6.00E-04
200-E-115	C7680	B26C28	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/29/2010	8/29/2010	1	0	6.00E-04
200-E-115	C7680	B26C30	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/29/2010	8/29/2010	1	0	5.70E-04
200-E-115	C7680	B26JK8	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/26/2010	8/26/2010	1	0	4.90E-04
200-E-115	C7680	B26C26	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/27/2010	8/27/2010	1	0	0.0015
200-E-115	C7680	B26C28	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/29/2010	8/29/2010	1	0	0.0013
200-E-115	C7680	B26C30	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/29/2010	8/29/2010	1	0	0.0013
200-E-115	C7680	B26JK9	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/26/2010	8/26/2010	1	0	0.0013
200-E-115	C7680	B26C26	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/27/2010	8/27/2010	1	0	2.70E-04
200-E-115	C7680	B26C28	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/29/2010	8/29/2010	1	0	2.50E-04
200-E-115	C7680	B26C30	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/29/2010	8/29/2010	1	0	2.30E-04
200-E-115	C7680	B26C26	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/27/2010	8/27/2010	1	0	3.40E-04
200-E-115	C7680	B26C28	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/29/2010	8/29/2010	1	0	2.90E-04
200-E-115	C7680	B26C30	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/29/2010	8/29/2010	1	0	2.50E-04
200-E-115	C7680	B26JK8	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/26/2010	8/26/2010	1	0	2.10E-04
200-E-115	C7680	B26C26	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/27/2010	8/27/2010	1	0	2.50E-04
200-E-115	C7680	B26C28	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/29/2010	8/29/2010	1	0	2.10E-04
200-E-115	C7680	B26C30	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/29/2010	8/29/2010	1	0	2.00E-04
200-E-115	C7680	B26C26	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	ug/kg	8/27/2010	8/27/2010	1	0	3.70E-04

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C28	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	ug/kg	8/29/2010	8/29/2010	1	0	3.40E-04
200-E-115	C7680	B26C30	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	ug/kg	8/29/2010	8/29/2010	1	0	3.20E-04
200-E-115	C7680	B26C28	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/29/2010	8/29/2010	1	0	2.10E-04
200-E-115	C7680	B26C26	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	ug/kg	8/27/2010	8/27/2010	1	0	3.60E-04
200-E-115	C7680	B26C28	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	ug/kg	8/29/2010	8/29/2010	1	0	3.30E-04
200-E-115	C7680	B26C30	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	ug/kg	8/29/2010	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C28	2,3',4,5'-Tetrachlorobiphenyl	73575-52-7	ug/kg	8/29/2010	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C26	2,3,4',6-Tetrachlorobiphenyl	52663-58-8	ug/kg	8/27/2010	8/27/2010	1	0	3.40E-04
200-E-115	C7680	B26C28	2,3,4',6-Tetrachlorobiphenyl	52663-58-8	ug/kg	8/29/2010	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C30	2,3,4',6-Tetrachlorobiphenyl	52663-58-8	ug/kg	8/29/2010	8/29/2010	1	0	2.90E-04
200-E-115	C7680	B26C26	2,3,4'-Trichlorobiphenyl	38444-85-8	ug/kg	8/27/2010	8/27/2010	1	0	3.60E-04
200-E-115	C7680	B26C30	2,3,4'-Trichlorobiphenyl	38444-85-8	ug/kg	8/29/2010	8/29/2010	1	0	3.30E-04
200-E-115	C7680	B26C26	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/27/2010	8/27/2010	1	0	3.20E-04
200-E-115	C7680	B26C28	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/29/2010	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C30	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26JK8	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/26/2010	8/26/2010	1	0	2.30E-04
200-E-115	C7680	B26C26	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/27/2010	8/27/2010	1	0	4.20E-04
200-E-115	C7680	B26C28	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/29/2010	8/29/2010	1	0	4.30E-04
200-E-115	C7680	B26C30	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/29/2010	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26JK8	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/26/2010	8/26/2010	1	0	3.40E-04
200-E-115	C7680	B26C30	2,4'-Dichlorobiphenyl	34883-43-7	ug/kg	8/29/2010	8/29/2010	1	0	0.0011
200-E-115	C7680	B26C27	2-Butanone	78-93-3	ug/kg	8/27/2010	8/27/2010	1	0	1.9
200-E-115	C7680	B26C29	2-Butanone	78-93-3	ug/kg	8/29/2010	8/29/2010	1	0	1.8
200-E-115	C7680	B26C31	2-Butanone	78-93-3	ug/kg	8/29/2010	8/29/2010	1	0	2.3
200-E-115	C7680	B26C33	2-Butanone	78-93-3	ug/kg	8/29/2010	8/29/2010	1	0	2.1
200-E-115	C7680	B26C35	2-Butanone	78-93-3	ug/kg	8/31/2010	8/31/2010	1	0	1.9
200-E-115	C7680	B26C37	2-Butanone	78-93-3	ug/kg	9/1/2010	9/1/2010	1	0	2.1
200-E-115	C7680	B26C39	2-Butanone	78-93-3	ug/kg	9/1/2010	9/1/2010	1	0	2.0
200-E-115	C7680	B26C41	2-Butanone	78-93-3	ug/kg	9/1/2010	9/1/2010	1	0	1.8
200-E-115	C7680	B26JL9	2-Butanone	78-93-3	ug/kg	8/26/2010	8/26/2010	1	0	1.6
200-E-115	C7680	B26C26	2-Chlorophenol	95-57-8	ug/kg	8/27/2010	8/27/2010	1	0	67
200-E-115	C7680	B26C28	2-Chlorophenol	95-57-8	ug/kg	8/29/2010	8/29/2010	1	0	66
200-E-115	C7680	B26C30	2-Chlorophenol	95-57-8	ug/kg	8/29/2010	8/29/2010	1	0	66
200-E-115	C7680	B26C32	2-Chlorophenol	95-57-8	ug/kg	8/29/2010	8/29/2010	1	0	66
200-E-115	C7680	B26C34	2-Chlorophenol	95-57-8	ug/kg	8/31/2010	8/31/2010	1	0	67
200-E-115	C7680	B26C36	2-Chlorophenol	95-57-8	ug/kg	9/1/2010	9/1/2010	1	0	66
200-E-115	C7680	B26C38	2-Chlorophenol	95-57-8	ug/kg	9/1/2010	9/1/2010	1	0	66
200-E-115	C7680	B26C40	2-Chlorophenol	95-57-8	ug/kg	9/1/2010	9/1/2010	1	0	66
200-E-115	C7680	B26JK8	2-Chlorophenol	95-57-8	ug/kg	8/26/2010	8/26/2010	1	0	64
200-E-115	C7680	B26C26	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/27/2010	8/27/2010	1	0	94
200-E-115	C7680	B26C28	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/29/2010	8/29/2010	1	0	92
200-E-115	C7680	B26C30	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/29/2010	8/29/2010	1	0	94
200-E-115	C7680	B26C32	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/29/2010	8/29/2010	1	0	94
200-E-115	C7680	B26C34	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/31/2010	8/31/2010	1	0	94
200-E-115	C7680	B26C36	2-Hydroxyacetate	GLYCOLATE	ug/kg	9/1/2010	9/1/2010	1	0	94
200-E-115	C7680	B26C38	2-Hydroxyacetate	GLYCOLATE	ug/kg	9/1/2010	9/1/2010	1	0	94
200-E-115	C7680	B26C40	2-Hydroxyacetate	GLYCOLATE	ug/kg	9/1/2010	9/1/2010	1	0	93
200-E-115	C7680	B26JK8	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/26/2010	8/26/2010	1	0	92
200-E-115	C7680	B26C26	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/27/2010	8/27/2010	1	0	1.00E-04
200-E-115	C7680	B26C28	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/29/2010	8/29/2010	1	0	1.10E-04
200-E-115	C7680	B26C30	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/29/2010	8/29/2010	1	0	9.20E-05
200-E-115	C7680	B26JK8	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/26/2010	8/26/2010	1	0	7.90E-05
200-E-115	C7680	B26C26	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/27/2010	8/27/2010	1	0	2.80E-04
200-E-115	C7680	B26C28	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/29/2010	8/29/2010	1	0	2.40E-04

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C30	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/29/2010	8/29/2010	1	0	2.10E-04
200-E-115	C7680	B26C26	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/27/2010	8/27/2010	1	0	2.70E-04
200-E-115	C7680	B26C28	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/29/2010	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C30	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/29/2010	8/29/2010	1	0	2.20E-04
200-E-115	C7680	B26C26	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/27/2010	8/27/2010	1	0	3.60E-04
200-E-115	C7680	B26C28	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/29/2010	8/29/2010	1	0	3.50E-04
200-E-115	C7680	B26C30	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/29/2010	8/29/2010	1	0	3.40E-04
200-E-115	C7680	B26JK8	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/26/2010	8/26/2010	1	0	2.50E-04
200-E-115	C7680	B26C26	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/27/2010	8/27/2010	1	0	43
200-E-115	C7680	B26C28	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/29/2010	8/29/2010	1	0	43
200-E-115	C7680	B26C30	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/29/2010	8/29/2010	1	0	43
200-E-115	C7680	B26C32	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/29/2010	8/29/2010	1	0	43
200-E-115	C7680	B26C34	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/31/2010	8/31/2010	1	0	43
200-E-115	C7680	B26C36	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/1/2010	9/1/2010	1	0	43
200-E-115	C7680	B26C38	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/1/2010	9/1/2010	1	0	43
200-E-115	C7680	B26C40	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/1/2010	9/1/2010	1	0	43
200-E-115	C7680	B26JK8	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/26/2010	8/26/2010	1	0	42
200-E-115	C7680	B26C26	Acetate	71-50-1	ug/kg	8/27/2010	8/27/2010	1	0	60
200-E-115	C7680	B26JK8	Acetate	71-50-1	ug/kg	8/26/2010	8/26/2010	1	0	59
200-E-115	C7680	B26C27	Acetone	67-64-1	ug/kg	8/27/2010	8/27/2010	1	0	2.1
200-E-115	C7680	B26C29	Acetone	67-64-1	ug/kg	8/29/2010	8/29/2010	1	0	2.0
200-E-115	C7680	B26C31	Acetone	67-64-1	ug/kg	8/29/2010	8/29/2010	1	0	2.6
200-E-115	C7680	B26C33	Acetone	67-64-1	ug/kg	8/29/2010	8/29/2010	1	0	2.3
200-E-115	C7680	B26C35	Acetone	67-64-1	ug/kg	8/31/2010	8/31/2010	1	0	2.1
200-E-115	C7680	B26C37	Acetone	67-64-1	ug/kg	9/1/2010	9/1/2010	1	0	2.4
200-E-115	C7680	B26C39	Acetone	67-64-1	ug/kg	9/1/2010	9/1/2010	1	0	2.2
200-E-115	C7680	B26C41	Acetone	67-64-1	ug/kg	9/1/2010	9/1/2010	1	0	2.0
200-E-115	C7680	B26JL8	Acetone	67-64-1	ug/kg	8/26/2010	8/26/2010	1	0	1.8
200-E-115	C7680	B26C26	Americium-241	14596-10-2	pCi/g	8/27/2010	8/27/2010	1	0	0.50
200-E-115	C7680	B26C28	Americium-241	14596-10-2	pCi/g	8/29/2010	8/29/2010	1	0	0.61
200-E-115	C7680	B26C30	Americium-241	14596-10-2	pCi/g	8/29/2010	8/29/2010	1	0	0.56
200-E-115	C7680	B26C32	Americium-241	14596-10-2	pCi/g	8/29/2010	8/29/2010	1	0	0.51
200-E-115	C7680	B26C34	Americium-241	14596-10-2	pCi/g	8/31/2010	8/31/2010	1	0	0.46
200-E-115	C7680	B26C36	Americium-241	14596-10-2	pCi/g	9/1/2010	9/1/2010	1	0	0.55
200-E-115	C7680	B26C38	Americium-241	14596-10-2	pCi/g	9/1/2010	9/1/2010	1	0	0.42
200-E-115	C7680	B26C40	Americium-241	14596-10-2	pCi/g	9/1/2010	9/1/2010	1	0	0.45
200-E-115	C7680	B26JK9	Americium-241	14596-10-2	pCi/g	8/26/2010	8/26/2010	1	0	0.45
200-E-115	C7680	B26C30	Ammonium ion	14798-03-9	ug/kg	8/29/2010	8/29/2010	1	0	19,900
200-E-115	C7680	B26C38	Ammonium ion	14798-03-9	ug/kg	9/1/2010	9/1/2010	1	0	2,100
200-E-115	C7680	B26C26	Antimony-125	14234-35-6	pCi/g	8/27/2010	8/27/2010	1	0	1.2
200-E-115	C7680	B26C28	Antimony-125	14234-35-6	pCi/g	8/29/2010	8/29/2010	1	0	0.80
200-E-115	C7680	B26C30	Antimony-125	14234-35-6	pCi/g	8/29/2010	8/29/2010	1	0	0.92
200-E-115	C7680	B26C32	Antimony-125	14234-35-6	pCi/g	8/29/2010	8/29/2010	1	0	1.0
200-E-115	C7680	B26C34	Antimony-125	14234-35-6	pCi/g	8/31/2010	8/31/2010	1	0	0.88
200-E-115	C7680	B26C36	Antimony-125	14234-35-6	pCi/g	9/1/2010	9/1/2010	1	0	0.78
200-E-115	C7680	B26C38	Antimony-125	14234-35-6	pCi/g	9/1/2010	9/1/2010	1	0	0.79
200-E-115	C7680	B26C40	Antimony-125	14234-35-6	pCi/g	9/1/2010	9/1/2010	1	0	0.71
200-E-115	C7680	B26JK9	Antimony-125	14234-35-6	pCi/g	8/26/2010	8/26/2010	1	0	0.71
200-E-115	C7680	B26C26	Aroclor-1260	11096-82-5	ug/kg	8/27/2010	8/27/2010	1	0	20
200-E-115	C7680	B26C28	Aroclor-1260	11096-82-5	ug/kg	8/29/2010	8/29/2010	1	0	20
200-E-115	C7680	B26C30	Aroclor-1260	11096-82-5	ug/kg	8/29/2010	8/29/2010	1	0	19
200-E-115	C7680	B26JK9	Aroclor-1260	11096-82-5	ug/kg	8/26/2010	8/26/2010	1	0	13
200-E-115	C7680	B26C28	Beryllium	7440-41-7	ug/kg	8/29/2010	8/29/2010	1	0	100
200-E-115	C7680	B26C26	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/27/2010	8/27/2010	1	0	590

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C28	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/29/2010	8/29/2010	1	0	589
200-E-115	C7680	B26C30	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/29/2010	8/29/2010	1	0	590
200-E-115	C7680	B26C32	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/29/2010	8/29/2010	1	0	588
200-E-115	C7680	B26C34	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/31/2010	8/31/2010	1	0	590
200-E-115	C7680	B26C40	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/1/2010	9/1/2010	1	0	588
200-E-115	C7680	B26JK8	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/26/2010	8/26/2010	1	0	568
200-E-115	C7680	B26C26	Butylbenzylphthalate	85-68-7	ug/kg	8/27/2010	8/27/2010	1	0	50
200-E-115	C7680	B26C28	Butylbenzylphthalate	85-68-7	ug/kg	8/29/2010	8/29/2010	1	0	50
200-E-115	C7680	B26C30	Butylbenzylphthalate	85-68-7	ug/kg	8/29/2010	8/29/2010	1	0	50
200-E-115	C7680	B26C32	Butylbenzylphthalate	85-68-7	ug/kg	8/29/2010	8/29/2010	1	0	50
200-E-115	C7680	B26C34	Butylbenzylphthalate	85-68-7	ug/kg	8/31/2010	8/31/2010	1	0	50
200-E-115	C7680	B26C36	Butylbenzylphthalate	85-68-7	ug/kg	9/1/2010	9/1/2010	1	0	49
200-E-115	C7680	B26C38	Butylbenzylphthalate	85-68-7	ug/kg	9/1/2010	9/1/2010	1	0	49
200-E-115	C7680	B26C40	Butylbenzylphthalate	85-68-7	ug/kg	9/1/2010	9/1/2010	1	0	50
200-E-115	C7680	B26JK8	Butylbenzylphthalate	85-68-7	ug/kg	8/26/2010	8/26/2010	1	0	48
200-E-115	C7680	B26C26	Carbon-14	14762-75-5	pCi/g	8/27/2010	8/27/2010	1	0	1.4
200-E-115	C7680	B26C28	Carbon-14	14762-75-5	pCi/g	8/29/2010	8/29/2010	1	0	1.4
200-E-115	C7680	B26C30	Carbon-14	14762-75-5	pCi/g	8/29/2010	8/29/2010	1	0	1.3
200-E-115	C7680	B26C32	Carbon-14	14762-75-5	pCi/g	8/29/2010	8/29/2010	1	0	1.3
200-E-115	C7680	B26C34	Carbon-14	14762-75-5	pCi/g	8/31/2010	8/31/2010	1	0	1.3
200-E-115	C7680	B26C36	Carbon-14	14762-75-5	pCi/g	9/1/2010	9/1/2010	1	0	1.3
200-E-115	C7680	B26C38	Carbon-14	14762-75-5	pCi/g	9/1/2010	9/1/2010	1	0	1.3
200-E-115	C7680	B26C40	Carbon-14	14762-75-5	pCi/g	9/1/2010	9/1/2010	1	0	1.3
200-E-115	C7680	B26JK9	Carbon-14	14762-75-5	pCi/g	8/26/2010	8/26/2010	1	0	1.4
200-E-115	C7680	B26C26	Cesium-137	10045-97-3	pCi/g	8/27/2010	8/27/2010	1	0	0.58
200-E-115	C7680	B26C28	Cesium-137	10045-97-3	pCi/g	8/29/2010	8/29/2010	1	0	0.38
200-E-115	C7680	B26C30	Cesium-137	10045-97-3	pCi/g	8/29/2010	8/29/2010	1	0	0.46
200-E-115	C7680	B26C32	Cesium-137	10045-97-3	pCi/g	8/29/2010	8/29/2010	1	0	0.48
200-E-115	C7680	B26C34	Cesium-137	10045-97-3	pCi/g	8/31/2010	8/31/2010	1	0	0.41
200-E-115	C7680	B26C36	Cesium-137	10045-97-3	pCi/g	9/1/2010	9/1/2010	1	0	0.41
200-E-115	C7680	B26C38	Cesium-137	10045-97-3	pCi/g	9/1/2010	9/1/2010	1	0	0.37
200-E-115	C7680	B26C40	Cesium-137	10045-97-3	pCi/g	9/1/2010	9/1/2010	1	0	0.35
200-E-115	C7680	B26JK9	Cesium-137	10045-97-3	pCi/g	8/26/2010	8/26/2010	1	0	0.34
200-E-115	C7680	B26C27	Chloroform	67-66-3	ug/kg	8/27/2010	8/27/2010	1	0	0.12
200-E-115	C7680	B26C29	Chloroform	67-66-3	ug/kg	8/29/2010	8/29/2010	1	0	0.12
200-E-115	C7680	B26C31	Chloroform	67-66-3	ug/kg	8/29/2010	8/29/2010	1	0	0.15
200-E-115	C7680	B26C33	Chloroform	67-66-3	ug/kg	8/29/2010	8/29/2010	1	0	0.14
200-E-115	C7680	B26C35	Chloroform	67-66-3	ug/kg	8/31/2010	8/31/2010	1	0	0.12
200-E-115	C7680	B26C37	Chloroform	67-66-3	ug/kg	9/1/2010	9/1/2010	1	0	0.14
200-E-115	C7680	B26C39	Chloroform	67-66-3	ug/kg	9/1/2010	9/1/2010	1	0	0.13
200-E-115	C7680	B26C41	Chloroform	67-66-3	ug/kg	9/1/2010	9/1/2010	1	0	0.12
200-E-115	C7680	B26JL9	Chloroform	67-66-3	ug/kg	8/26/2010	8/26/2010	1	0	0.11
200-E-115	C7680	B26C26	Cobalt-60	10198-40-0	pCi/g	8/27/2010	8/27/2010	1	0	0.44
200-E-115	C7680	B26C28	Cobalt-60	10198-40-0	pCi/g	8/29/2010	8/29/2010	1	0	0.30
200-E-115	C7680	B26C30	Cobalt-60	10198-40-0	pCi/g	8/29/2010	8/29/2010	1	0	0.35
200-E-115	C7680	B26C32	Cobalt-60	10198-40-0	pCi/g	8/29/2010	8/29/2010	1	0	0.41
200-E-115	C7680	B26C34	Cobalt-60	10198-40-0	pCi/g	8/31/2010	8/31/2010	1	0	0.30
200-E-115	C7680	B26C36	Cobalt-60	10198-40-0	pCi/g	9/1/2010	9/1/2010	1	0	0.34
200-E-115	C7680	B26C38	Cobalt-60	10198-40-0	pCi/g	9/1/2010	9/1/2010	1	0	0.31
200-E-115	C7680	B26C40	Cobalt-60	10198-40-0	pCi/g	9/1/2010	9/1/2010	1	0	0.30
200-E-115	C7680	B26JK9	Cobalt-60	10198-40-0	pCi/g	8/26/2010	8/26/2010	1	0	0.28
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 110 and 115	PCB110/115	ug/kg	8/27/2010	8/27/2010	1	0	3.00E-04

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 110 and 115	PCB110/115	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 128 and 166	PCB128/166	ug/kg	8/27/2010	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 128 and 166	PCB128/166	ug/kg	8/29/2010	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 128 and 166	PCB128/166	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 129, 138, 160, and 163	PCB129/138/160+	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 147 and 149	PCB147/149	ug/kg	8/27/2010	8/27/2010	1	0	5.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/27/2010	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/29/2010	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26JK8	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/26/2010	8/26/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 18 and 30	PCB18/30	ug/kg	8/29/2010	8/29/2010	1	0	5.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 180 and 193	PCB180/193	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 180 and 193	PCB180/193	ug/kg	8/29/2010	8/29/2010	1	0	2.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 183 and 185	PCB183/185	ug/kg	8/27/2010	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 183 and 185	PCB183/185	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 183 and 185	PCB183/185	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/27/2010	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	ug/kg	8/27/2010	8/27/2010	1	0	3.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 45 and 51	PCB45/51	ug/kg	8/27/2010	8/27/2010	1	0	5.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 45 and 51	PCB45/51	ug/kg	8/29/2010	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 49 and 69	PCB49/69	ug/kg	8/27/2010	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 49 and 69	PCB49/69	ug/kg	8/29/2010	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 61, 70, 74, and 76	PCB61/70/74/76	ug/kg	8/27/2010	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 61, 70, 74, and 76	PCB61/70/74/76	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/27/2010	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/29/2010	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/29/2010	8/29/2010	1	0	4.00E-04

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26JK8	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/26/2010	8/26/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/27/2010	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26JK8	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/26/2010	8/26/2010	1	0	2.00E-04
200-E-115	C7680	B26C26	Co-elution of PCB congeners BZ 90, 101, and 113	PCB90/101/113	ug/kg	8/27/2010	8/27/2010	1	0	4.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 90, 101, and 113	PCB90/101/113	ug/kg	8/29/2010	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Cyanide	57-12-5	ug/kg	8/27/2010	8/27/2010	1	0	2,640
200-E-115	C7680	B26C28	Cyanide	57-12-5	ug/kg	8/29/2010	8/29/2010	1	0	2,600
200-E-115	C7680	B26C30	Cyanide	57-12-5	ug/kg	8/29/2010	8/29/2010	1	0	2,640
200-E-115	C7680	B26C32	Cyanide	57-12-5	ug/kg	8/29/2010	8/29/2010	1	0	2,620
200-E-115	C7680	B26C34	Cyanide	57-12-5	ug/kg	8/31/2010	8/31/2010	1	0	2,600
200-E-115	C7680	B26C36	Cyanide	57-12-5	ug/kg	9/1/2010	9/1/2010	1	0	2,620
200-E-115	C7680	B26C38	Cyanide	57-12-5	ug/kg	9/1/2010	9/1/2010	1	0	2,660
200-E-115	C7680	B26C40	Cyanide	57-12-5	ug/kg	9/1/2010	9/1/2010	1	0	2,650
200-E-115	C7680	B26JK9	Cyanide	57-12-5	ug/kg	8/26/2010	8/26/2010	1	0	2,640
200-E-115	C7680	B26C26	Di-n-butylphthalate	84-74-2	ug/kg	8/27/2010	8/27/2010	1	0	562
200-E-115	C7680	B26C28	Di-n-butylphthalate	84-74-2	ug/kg	8/29/2010	8/29/2010	1	0	562
200-E-115	C7680	B26C30	Di-n-butylphthalate	84-74-2	ug/kg	8/29/2010	8/29/2010	1	0	562
200-E-115	C7680	B26C32	Di-n-butylphthalate	84-74-2	ug/kg	8/29/2010	8/29/2010	1	0	561
200-E-115	C7680	B26C34	Di-n-butylphthalate	84-74-2	ug/kg	8/31/2010	8/31/2010	1	0	562
200-E-115	C7680	B26C36	Di-n-butylphthalate	84-74-2	ug/kg	9/1/2010	9/1/2010	1	0	555
200-E-115	C7680	B26C38	Di-n-butylphthalate	84-74-2	ug/kg	9/1/2010	9/1/2010	1	0	555
200-E-115	C7680	B26C40	Di-n-butylphthalate	84-74-2	ug/kg	9/1/2010	9/1/2010	1	0	561
200-E-115	C7680	B26C26	Europium-152	14683-23-9	pCi/g	8/27/2010	8/27/2010	1	0	2.0
200-E-115	C7680	B26C28	Europium-152	14683-23-9	pCi/g	8/29/2010	8/29/2010	1	0	1.5
200-E-115	C7680	B26C30	Europium-152	14683-23-9	pCi/g	8/29/2010	8/29/2010	1	0	1.8
200-E-115	C7680	B26C32	Europium-152	14683-23-9	pCi/g	8/29/2010	8/29/2010	1	0	1.8
200-E-115	C7680	B26C34	Europium-152	14683-23-9	pCi/g	8/31/2010	8/31/2010	1	0	1.6
200-E-115	C7680	B26C36	Europium-152	14683-23-9	pCi/g	9/1/2010	9/1/2010	1	0	1.5
200-E-115	C7680	B26C38	Europium-152	14683-23-9	pCi/g	9/1/2010	9/1/2010	1	0	1.5
200-E-115	C7680	B26C40	Europium-152	14683-23-9	pCi/g	9/1/2010	9/1/2010	1	0	1.3
200-E-115	C7680	B26JK9	Europium-152	14683-23-9	pCi/g	8/26/2010	8/26/2010	1	0	1.4
200-E-115	C7680	B26C26	Europium-154	15585-10-1	pCi/g	8/27/2010	8/27/2010	1	0	1.5
200-E-115	C7680	B26C28	Europium-154	15585-10-1	pCi/g	8/29/2010	8/29/2010	1	0	1.0
200-E-115	C7680	B26C30	Europium-154	15585-10-1	pCi/g	8/29/2010	8/29/2010	1	0	1.2
200-E-115	C7680	B26C32	Europium-154	15585-10-1	pCi/g	8/29/2010	8/29/2010	1	0	1.3
200-E-115	C7680	B26C34	Europium-154	15585-10-1	pCi/g	8/31/2010	8/31/2010	1	0	0.97
200-E-115	C7680	B26C36	Europium-154	15585-10-1	pCi/g	9/1/2010	9/1/2010	1	0	1.1
200-E-115	C7680	B26C38	Europium-154	15585-10-1	pCi/g	9/1/2010	9/1/2010	1	0	0.97
200-E-115	C7680	B26C40	Europium-154	15585-10-1	pCi/g	9/1/2010	9/1/2010	1	0	0.88
200-E-115	C7680	B26JK9	Europium-154	15585-10-1	pCi/g	8/26/2010	8/26/2010	1	0	0.89
200-E-115	C7680	B26C26	Europium-155	14391-16-3	pCi/g	8/27/2010	8/27/2010	1	0	0.72
200-E-115	C7680	B26C28	Europium-155	14391-16-3	pCi/g	8/29/2010	8/29/2010	1	0	0.50
200-E-115	C7680	B26C30	Europium-155	14391-16-3	pCi/g	8/29/2010	8/29/2010	1	0	0.59
200-E-115	C7680	B26C32	Europium-155	14391-16-3	pCi/g	8/29/2010	8/29/2010	1	0	0.67
200-E-115	C7680	B26C34	Europium-155	14391-16-3	pCi/g	8/31/2010	8/31/2010	1	0	0.55
200-E-115	C7680	B26C36	Europium-155	14391-16-3	pCi/g	9/1/2010	9/1/2010	1	0	0.55
200-E-115	C7680	B26C38	Europium-155	14391-16-3	pCi/g	9/1/2010	9/1/2010	1	0	0.48

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C40	Europium-155	14391-16-3	pCi/g	9/1/2010	9/1/2010	1	0	0.48
200-E-115	C7680	B26JK9	Europium-155	14391-16-3	pCi/g	8/26/2010	8/26/2010	1	0	0.46
200-E-115	C7680	B26C36	Lead-212	15092-94-1	pCi/g	9/1/2010	9/1/2010	1	0	0.44
200-E-115	C7680	B26C36	Lead-214	15067-28-4	pCi/g	9/1/2010	9/1/2010	1	0	0.80
200-E-115	C7680	B26C38	Lead-214	15067-28-4	pCi/g	9/1/2010	9/1/2010	1	0	0.75
200-E-115	C7680	B26C26	Mercury	7439-97-6	ug/kg	8/27/2010	8/27/2010	1	0	9.5
200-E-115	C7680	B26C28	Mercury	7439-97-6	ug/kg	8/29/2010	8/29/2010	1	0	9.1
200-E-115	C7680	B26C30	Mercury	7439-97-6	ug/kg	8/29/2010	8/29/2010	1	0	9.1
200-E-115	C7680	B26C32	Mercury	7439-97-6	ug/kg	8/29/2010	8/29/2010	1	0	9.1
200-E-115	C7680	B26C34	Mercury	7439-97-6	ug/kg	8/31/2010	8/31/2010	1	0	10
200-E-115	C7680	B26C36	Mercury	7439-97-6	ug/kg	9/1/2010	9/1/2010	1	0	8.9
200-E-115	C7680	B26C38	Mercury	7439-97-6	ug/kg	9/1/2010	9/1/2010	1	0	9.3
200-E-115	C7680	B26C40	Mercury	7439-97-6	ug/kg	9/1/2010	9/1/2010	1	0	8.9
200-E-115	C7680	B26JK8	Mercury	7439-97-6	ug/kg	8/26/2010	8/26/2010	1	0	9.4
200-E-115	C7680	B26C27	Methylene chloride	75-09-2	ug/kg	8/27/2010	8/27/2010	1	0	0.061
200-E-115	C7680	B26C29	Methylene chloride	75-09-2	ug/kg	8/29/2010	8/29/2010	1	0	0.059
200-E-115	C7680	B26C31	Methylene chloride	75-09-2	ug/kg	8/29/2010	8/29/2010	1	0	0.075
200-E-115	C7680	B26C33	Methylene chloride	75-09-2	ug/kg	8/29/2010	8/29/2010	1	0	0.068
200-E-115	C7680	B26C35	Methylene chloride	75-09-2	ug/kg	8/31/2010	8/31/2010	1	0	0.061
200-E-115	C7680	B26C37	Methylene chloride	75-09-2	ug/kg	9/1/2010	9/1/2010	1	0	0.069
200-E-115	C7680	B26C39	Methylene chloride	75-09-2	ug/kg	9/1/2010	9/1/2010	1	0	0.064
200-E-115	C7680	B26C41	Methylene chloride	75-09-2	ug/kg	9/1/2010	9/1/2010	1	0	0.059
200-E-115	C7680	B26JL8	Methylene chloride	75-09-2	ug/kg	8/26/2010	8/26/2010	1	0	0.053
200-E-115	C7680	B26C26	Molybdenum	7439-98-7	ug/kg	8/27/2010	8/27/2010	1	0	2,000
200-E-115	C7680	B26C28	Molybdenum	7439-98-7	ug/kg	8/29/2010	8/29/2010	1	0	1,990
200-E-115	C7680	B26C30	Molybdenum	7439-98-7	ug/kg	8/29/2010	8/29/2010	1	0	1,970
200-E-115	C7680	B26C32	Molybdenum	7439-98-7	ug/kg	8/29/2010	8/29/2010	1	0	1,990
200-E-115	C7680	B26C34	Molybdenum	7439-98-7	ug/kg	8/31/2010	8/31/2010	1	0	1,980
200-E-115	C7680	B26C36	Molybdenum	7439-98-7	ug/kg	9/1/2010	9/1/2010	1	0	1,980
200-E-115	C7680	B26C38	Molybdenum	7439-98-7	ug/kg	9/1/2010	9/1/2010	1	0	1,970
200-E-115	C7680	B26C40	Molybdenum	7439-98-7	ug/kg	9/1/2010	9/1/2010	1	0	1,970
200-E-115	C7680	B26JK9	Molybdenum	7439-98-7	ug/kg	8/26/2010	8/26/2010	1	0	1,970
200-E-115	C7680	B26C26	Nickel-63	13981-37-8	pCi/g	8/27/2010	8/27/2010	1	0	4.7
200-E-115	C7680	B26C28	Nickel-63	13981-37-8	pCi/g	8/29/2010	8/29/2010	1	0	5.9
200-E-115	C7680	B26C30	Nickel-63	13981-37-8	pCi/g	8/29/2010	8/29/2010	1	0	5.4
200-E-115	C7680	B26C32	Nickel-63	13981-37-8	pCi/g	8/29/2010	8/29/2010	1	0	5.9
200-E-115	C7680	B26C34	Nickel-63	13981-37-8	pCi/g	8/31/2010	8/31/2010	1	0	8.7
200-E-115	C7680	B26C36	Nickel-63	13981-37-8	pCi/g	9/1/2010	9/1/2010	1	0	6.0
200-E-115	C7680	B26C38	Nickel-63	13981-37-8	pCi/g	9/1/2010	9/1/2010	1	0	5.8
200-E-115	C7680	B26C40	Nickel-63	13981-37-8	pCi/g	9/1/2010	9/1/2010	1	0	10
200-E-115	C7680	B26JK9	Nickel-63	13981-37-8	pCi/g	8/26/2010	8/26/2010	1	0	5.7
200-E-115	C7680	B26C26	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/27/2010	8/27/2010	1	0	58
200-E-115	C7680	B26C28	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/29/2010	8/29/2010	1	0	58
200-E-115	C7680	B26C30	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/29/2010	8/29/2010	1	0	58
200-E-115	C7680	B26C32	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/29/2010	8/29/2010	1	0	58
200-E-115	C7680	B26C34	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/31/2010	8/31/2010	1	0	58
200-E-115	C7680	B26C36	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/1/2010	9/1/2010	1	0	57
200-E-115	C7680	B26C38	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/1/2010	9/1/2010	1	0	57
200-E-115	C7680	B26C40	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/1/2010	9/1/2010	1	0	58
200-E-115	C7680	B26JK8	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/26/2010	8/26/2010	1	0	56
200-E-115	C7680	B26C28	Oxalate	338-70-5	ug/kg	8/29/2010	8/29/2010	1	0	226
200-E-115	C7680	B26C30	Oxalate	338-70-5	ug/kg	8/29/2010	8/29/2010	1	0	231
200-E-115	C7680	B26C34	Oxalate	338-70-5	ug/kg	8/31/2010	8/31/2010	1	0	230
200-E-115	C7680	B26C36	Oxalate	338-70-5	ug/kg	9/1/2010	9/1/2010	1	0	231

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C38	Oxalate	338-70-5	ug/kg	9/1/2010	9/1/2010	1	0	231
200-E-115	C7680	B26C40	Oxalate	338-70-5	ug/kg	9/1/2010	9/1/2010	1	0	229
200-E-115	C7680	B26JK8	Oxalate	338-70-5	ug/kg	8/26/2010	8/26/2010	1	0	227
200-E-115	C7680	B26C36	Phosphate	14265-44-2	ug/kg	9/1/2010	9/1/2010	1	0	167
200-E-115	C7680	B26C26	Plutonium-238	13981-16-3	pCi/g	8/27/2010	8/27/2010	1	0	0.29
200-E-115	C7680	B26C28	Plutonium-238	13981-16-3	pCi/g	8/29/2010	8/29/2010	1	0	0.32
200-E-115	C7680	B26C30	Plutonium-238	13981-16-3	pCi/g	8/29/2010	8/29/2010	1	0	0.34
200-E-115	C7680	B26C32	Plutonium-238	13981-16-3	pCi/g	8/29/2010	8/29/2010	1	0	0.31
200-E-115	C7680	B26C34	Plutonium-238	13981-16-3	pCi/g	8/31/2010	8/31/2010	1	0	0.29
200-E-115	C7680	B26C36	Plutonium-238	13981-16-3	pCi/g	9/1/2010	9/1/2010	1	0	0.34
200-E-115	C7680	B26C38	Plutonium-238	13981-16-3	pCi/g	9/1/2010	9/1/2010	1	0	0.29
200-E-115	C7680	B26C40	Plutonium-238	13981-16-3	pCi/g	9/1/2010	9/1/2010	1	0	0.34
200-E-115	C7680	B26JK8	Plutonium-238	13981-16-3	pCi/g	8/26/2010	8/26/2010	1	0	0.31
200-E-115	C7680	B26C26	Plutonium-239/240	PU-239/240	pCi/g	8/27/2010	8/27/2010	1	0	0.29
200-E-115	C7680	B26C28	Plutonium-239/240	PU-239/240	pCi/g	8/29/2010	8/29/2010	1	0	0.32
200-E-115	C7680	B26C30	Plutonium-239/240	PU-239/240	pCi/g	8/29/2010	8/29/2010	1	0	0.34
200-E-115	C7680	B26C32	Plutonium-239/240	PU-239/240	pCi/g	8/29/2010	8/29/2010	1	0	0.31
200-E-115	C7680	B26C34	Plutonium-239/240	PU-239/240	pCi/g	8/31/2010	8/31/2010	1	0	0.29
200-E-115	C7680	B26C36	Plutonium-239/240	PU-239/240	pCi/g	9/1/2010	9/1/2010	1	0	0.34
200-E-115	C7680	B26C38	Plutonium-239/240	PU-239/240	pCi/g	9/1/2010	9/1/2010	1	0	0.29
200-E-115	C7680	B26C40	Plutonium-239/240	PU-239/240	pCi/g	9/1/2010	9/1/2010	1	0	0.34
200-E-115	C7680	B26JK8	Plutonium-239/240	PU-239/240	pCi/g	8/26/2010	8/26/2010	1	0	0.31
200-E-115	C7680	B26C26	Pyrene	129-00-0	ug/kg	8/27/2010	8/27/2010	1	0	63
200-E-115	C7680	B26C28	Pyrene	129-00-0	ug/kg	8/29/2010	8/29/2010	1	0	63
200-E-115	C7680	B26C30	Pyrene	129-00-0	ug/kg	8/29/2010	8/29/2010	1	0	63
200-E-115	C7680	B26C32	Pyrene	129-00-0	ug/kg	8/29/2010	8/29/2010	1	0	63
200-E-115	C7680	B26C34	Pyrene	129-00-0	ug/kg	8/31/2010	8/31/2010	1	0	63
200-E-115	C7680	B26C36	Pyrene	129-00-0	ug/kg	9/1/2010	9/1/2010	1	0	62
200-E-115	C7680	B26C38	Pyrene	129-00-0	ug/kg	9/1/2010	9/1/2010	1	0	62
200-E-115	C7680	B26C40	Pyrene	129-00-0	ug/kg	9/1/2010	9/1/2010	1	0	63
200-E-115	C7680	B26JK8	Pyrene	129-00-0	ug/kg	8/26/2010	8/26/2010	1	0	61
200-E-115	C7680	B26C30	Selenium-79	15758-45-9	pCi/g	8/29/2010	8/29/2010	1	0	2.0
200-E-115	C7680	B26C34	Selenium-79	15758-45-9	pCi/g	8/31/2010	8/31/2010	1	0	2.9
200-E-115	C7680	B26C36	Selenium-79	15758-45-9	pCi/g	9/1/2010	9/1/2010	1	0	2.5
200-E-115	C7680	B26C40	Selenium-79	15758-45-9	pCi/g	9/1/2010	9/1/2010	1	0	4.0
200-E-115	C7680	B26JK8	Selenium-79	15758-45-9	pCi/g	8/26/2010	8/26/2010	1	0	1.8
200-E-115	C7680	B26C26	Strontium-90	10098-97-2	pCi/g	8/27/2010	8/27/2010	1	0	0.57
200-E-115	C7680	B26C28	Strontium-90	10098-97-2	pCi/g	8/29/2010	8/29/2010	1	0	0.24
200-E-115	C7680	B26C30	Strontium-90	10098-97-2	pCi/g	8/29/2010	8/29/2010	1	0	0.19
200-E-115	C7680	B26C32	Strontium-90	10098-97-2	pCi/g	8/29/2010	8/29/2010	1	0	0.57
200-E-115	C7680	B26C34	Strontium-90	10098-97-2	pCi/g	8/31/2010	8/31/2010	1	0	0.56
200-E-115	C7680	B26C36	Strontium-90	10098-97-2	pCi/g	9/1/2010	9/1/2010	1	0	0.20
200-E-115	C7680	B26C38	Strontium-90	10098-97-2	pCi/g	9/1/2010	9/1/2010	1	0	0.27
200-E-115	C7680	B26C40	Strontium-90	10098-97-2	pCi/g	9/1/2010	9/1/2010	1	0	0.21
200-E-115	C7680	B26JK8	Strontium-90	10098-97-2	pCi/g	8/26/2010	8/26/2010	1	0	0.19
200-E-115	C7680	B26C29	Styrene	100-42-5	ug/kg	8/29/2010	8/29/2010	1	0	0.32
200-E-115	C7680	B26C34	Sulfide	18496-25-8	ug/kg	8/31/2010	8/31/2010	1	0	7,020
200-E-115	C7680	B26C36	Sulfide	18496-25-8	ug/kg	9/1/2010	9/1/2010	1	0	7,100
200-E-115	C7680	B26C29	Toluene	108-88-3	ug/kg	8/29/2010	8/29/2010	1	0	0.52
200-E-115	C7680	B26C37	Toluene	108-88-3	ug/kg	9/1/2010	9/1/2010	1	0	0.43
200-E-115	C7680	B26C26	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/27/2010	8/27/2010	1	0	1,100
200-E-115	C7680	B26C28	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/29/2010	8/29/2010	1	0	1,100

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7680	B26C30	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/29/2010	8/29/2010	1	0	1,100
200-E-115	C7680	B26JK9	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/26/2010	8/26/2010	1	0	690
200-E-115	C7680	B26C26	Tributyl phosphate	126-73-8	ug/kg	8/27/2010	8/27/2010	1	0	108
200-E-115	C7680	B26C28	Tributyl phosphate	126-73-8	ug/kg	8/29/2010	8/29/2010	1	0	108
200-E-115	C7680	B26C30	Tributyl phosphate	126-73-8	ug/kg	8/29/2010	8/29/2010	1	0	108
200-E-115	C7680	B26C32	Tributyl phosphate	126-73-8	ug/kg	8/29/2010	8/29/2010	1	0	107
200-E-115	C7680	B26C34	Tributyl phosphate	126-73-8	ug/kg	8/31/2010	8/31/2010	1	0	108
200-E-115	C7680	B26C36	Tributyl phosphate	126-73-8	ug/kg	9/1/2010	9/1/2010	1	0	106
200-E-115	C7680	B26C38	Tributyl phosphate	126-73-8	ug/kg	9/1/2010	9/1/2010	1	0	106
200-E-115	C7680	B26C40	Tributyl phosphate	126-73-8	ug/kg	9/1/2010	9/1/2010	1	0	107
200-E-115	C7680	B26JK9	Tributyl phosphate	126-73-8	ug/kg	8/26/2010	8/26/2010	1	0	104
200-E-115	C7680	B26C27	Trichloromonofluoromethane	75-69-4	ug/kg	8/27/2010	8/27/2010	1	0	0.089
200-E-115	C7680	B26C29	Trichloromonofluoromethane	75-69-4	ug/kg	8/29/2010	8/29/2010	1	0	0.087
200-E-115	C7680	B26C31	Trichloromonofluoromethane	75-69-4	ug/kg	8/29/2010	8/29/2010	1	0	0.11
200-E-115	C7680	B26C33	Trichloromonofluoromethane	75-69-4	ug/kg	8/29/2010	8/29/2010	1	0	0.100
200-E-115	C7680	B26C35	Trichloromonofluoromethane	75-69-4	ug/kg	8/31/2010	8/31/2010	1	0	0.089
200-E-115	C7680	B26C37	Trichloromonofluoromethane	75-69-4	ug/kg	9/1/2010	9/1/2010	1	0	0.10
200-E-115	C7680	B26C39	Trichloromonofluoromethane	75-69-4	ug/kg	9/1/2010	9/1/2010	1	0	0.093
200-E-115	C7680	B26C41	Trichloromonofluoromethane	75-69-4	ug/kg	9/1/2010	9/1/2010	1	0	0.086
200-E-115	C7680	B26JL8	Trichloromonofluoromethane	75-69-4	ug/kg	8/26/2010	8/26/2010	1	0	0.077
200-E-115	C7680	B26C26	Tritium	10028-17-8	pCi/g	8/27/2010	8/27/2010	1	0	62
200-E-115	C7680	B26C28	Tritium	10028-17-8	pCi/g	8/29/2010	8/29/2010	1	0	64
200-E-115	C7680	B26C30	Tritium	10028-17-8	pCi/g	8/29/2010	8/29/2010	1	0	51
200-E-115	C7680	B26C32	Tritium	10028-17-8	pCi/g	8/29/2010	8/29/2010	1	0	97
200-E-115	C7680	B26C34	Tritium	10028-17-8	pCi/g	8/31/2010	8/31/2010	1	0	52
200-E-115	C7680	B26C36	Tritium	10028-17-8	pCi/g	9/1/2010	9/1/2010	1	0	102
200-E-115	C7680	B26C40	Tritium	10028-17-8	pCi/g	9/1/2010	9/1/2010	1	0	52
200-E-115	C7682	B26C53	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2051-24-3	ug/kg	8/19/2010	8/19/2010	1	0	5.10E-04
200-E-115	C7682	B26C51	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9	ug/kg	8/18/2010	8/18/2010	1	0	2.10E-04
200-E-115	C7682	B26C53	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9	ug/kg	8/19/2010	8/19/2010	1	0	4.10E-04
200-E-115	C7682	B26C47	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	ug/kg	8/18/2010	8/18/2010	1	0	2.30E-04
200-E-115	C7682	B26C51	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	ug/kg	8/18/2010	8/18/2010	1	0	1.50E-04
200-E-115	C7682	B26C53	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	ug/kg	8/19/2010	8/19/2010	1	0	2.00E-04
200-E-115	C7682	B26C47	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/18/2010	8/18/2010	1	0	2.20E-04
200-E-115	C7682	B26C51	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/18/2010	8/18/2010	1	0	1.50E-04
200-E-115	C7682	B26C53	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/19/2010	8/19/2010	1	0	2.90E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	ug/kg	8/17/2010	8/17/2010	1	0	1.50E-04
200-E-115	C7682	B26C47	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/18/2010	8/18/2010	1	0	3.30E-04
200-E-115	C7682	B26C51	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/18/2010	8/18/2010	1	0	2.20E-04
200-E-115	C7682	B26C53	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/19/2010	8/19/2010	1	0	2.90E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	ug/kg	8/17/2010	8/17/2010	1	0	2.40E-04
200-E-115	C7682	B26C47	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/18/2010	8/18/2010	1	0	2.50E-04

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C51	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/18/2010	8/18/2010	1	0	1.60E-04
200-E-115	C7682	B26C53	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/19/2010	8/19/2010	1	0	2.20E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	ug/kg	8/17/2010	8/17/2010	1	0	2.00E-04
200-E-115	C7682	B26C47	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	ug/kg	8/18/2010	8/18/2010	1	0	4.10E-04
200-E-115	C7682	B26C51	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	ug/kg	8/18/2010	8/18/2010	1	0	3.20E-04
200-E-115	C7682	B26C53	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	ug/kg	8/19/2010	8/19/2010	1	0	4.30E-04
200-E-115	C7682	B26C47	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/18/2010	8/18/2010	1	0	2.40E-04
200-E-115	C7682	B26C51	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/18/2010	8/18/2010	1	0	1.60E-04
200-E-115	C7682	B26C53	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/19/2010	8/19/2010	1	0	3.00E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	ug/kg	8/17/2010	8/17/2010	1	0	1.60E-04
200-E-115	C7682	B26C47	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/18/2010	8/18/2010	1	0	2.40E-04
200-E-115	C7682	B26C51	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/18/2010	8/18/2010	1	0	1.60E-04
200-E-115	C7682	B26C53	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/19/2010	8/19/2010	1	0	2.10E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	ug/kg	8/17/2010	8/17/2010	1	0	1.80E-04
200-E-115	C7682	B26C47	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/18/2010	8/18/2010	1	0	2.40E-04
200-E-115	C7682	B26C51	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/18/2010	8/18/2010	1	0	1.50E-04
200-E-115	C7682	B26C53	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/19/2010	8/19/2010	1	0	2.00E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	ug/kg	8/17/2010	8/17/2010	1	0	1.70E-04
200-E-115	C7682	B26C47	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	ug/kg	8/18/2010	8/18/2010	1	0	3.30E-04
200-E-115	C7682	B26C51	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	ug/kg	8/18/2010	8/18/2010	1	0	2.60E-04
200-E-115	C7682	B26C53	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	ug/kg	8/19/2010	8/19/2010	1	0	3.50E-04
200-E-115	C7682	B26C47	2,2',3,3',4',5,6-Heptachlorobiphenyl	52663-70-4	ug/kg	8/18/2010	8/18/2010	1	0	3.40E-04
200-E-115	C7682	B26C51	2,2',3,3',4',5,6-Heptachlorobiphenyl	52663-70-4	ug/kg	8/18/2010	8/18/2010	1	0	2.60E-04
200-E-115	C7682	B26C53	2,2',3,3',4',5,6-Heptachlorobiphenyl	52663-70-4	ug/kg	8/19/2010	8/19/2010	1	0	3.60E-04
200-E-115	C7682	B26C47	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/18/2010	8/18/2010	1	0	2.40E-04
200-E-115	C7682	B26C51	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/18/2010	8/18/2010	1	0	1.90E-04
200-E-115	C7682	B26C53	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/19/2010	8/19/2010	1	0	2.60E-04
200-E-115	C7682	B26JL0	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	ug/kg	8/17/2010	8/17/2010	1	0	2.50E-04
200-E-115	C7682	B26C47	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/18/2010	8/18/2010	1	0	4.10E-04
200-E-115	C7682	B26C51	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/18/2010	8/18/2010	1	0	3.50E-04
200-E-115	C7682	B26C53	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	ug/kg	8/19/2010	8/19/2010	1	0	4.90E-04
200-E-115	C7682	B26C47	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/18/2010	8/18/2010	1	0	2.70E-04
200-E-115	C7682	B26C51	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/18/2010	8/18/2010	1	0	1.70E-04
200-E-115	C7682	B26C53	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/19/2010	8/19/2010	1	0	2.30E-04
200-E-115	C7682	B26JL0	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	ug/kg	8/17/2010	8/17/2010	1	0	1.90E-04
200-E-115	C7682	B26C47	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/18/2010	8/18/2010	1	0	3.40E-04
200-E-115	C7682	B26C51	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/18/2010	8/18/2010	1	0	2.70E-04
200-E-115	C7682	B26C53	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/19/2010	8/19/2010	1	0	3.60E-04
200-E-115	C7682	B26JL0	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	ug/kg	8/17/2010	8/17/2010	1	0	3.60E-04
200-E-115	C7682	B26C47	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/18/2010	8/18/2010	1	0	2.50E-04

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C51	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/18/2010	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C53	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/19/2010	8/19/2010	1	0	2.70E-04
200-E-115	C7682	B26JL0	2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	ug/kg	8/17/2010	8/17/2010	1	0	2.60E-04
200-E-115	C7682	B26C53	2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	ug/kg	8/19/2010	8/19/2010	1	0	4.90E-04
200-E-115	C7682	B26C47	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	ug/kg	8/18/2010	8/18/2010	1	0	3.10E-04
200-E-115	C7682	B26C51	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	ug/kg	8/18/2010	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C53	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	ug/kg	8/19/2010	8/19/2010	1	0	2.70E-04
200-E-115	C7682	B26C47	2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	ug/kg	8/18/2010	8/18/2010	1	0	2.90E-04
200-E-115	C7682	B26C53	2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	ug/kg	8/19/2010	8/19/2010	1	0	3.10E-04
200-E-115	C7682	B26C47	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/18/2010	8/18/2010	1	0	3.80E-04
200-E-115	C7682	B26C51	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/18/2010	8/18/2010	1	0	3.20E-04
200-E-115	C7682	B26C53	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	ug/kg	8/19/2010	8/19/2010	1	0	4.50E-04
200-E-115	C7682	B26C47	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/18/2010	8/18/2010	1	0	3.50E-04
200-E-115	C7682	B26C51	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	ug/kg	8/19/2010	8/19/2010	1	0	4.10E-04
200-E-115	C7682	B26C53	2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	ug/kg	8/19/2010	8/19/2010	1	0	4.90E-04
200-E-115	C7682	B26C47	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	ug/kg	8/18/2010	8/18/2010	1	0	3.80E-04
200-E-115	C7682	B26C47	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/18/2010	8/18/2010	1	0	5.10E-04
200-E-115	C7682	B26C51	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/18/2010	8/18/2010	1	0	4.70E-04
200-E-115	C7682	B26C53	2,2',4-Trichlorobiphenyl	37680-66-3	ug/kg	8/19/2010	8/19/2010	1	0	9.90E-04
200-E-115	C7682	B26C47	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/18/2010	8/18/2010	1	0	0.0014
200-E-115	C7682	B26C51	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/18/2010	8/18/2010	1	0	0.0010
200-E-115	C7682	B26C53	2,2'-Dichlorobiphenyl	13029-08-8	ug/kg	8/19/2010	8/19/2010	1	0	0.0022
200-E-115	C7682	B26C47	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/18/2010	8/18/2010	1	0	2.40E-04
200-E-115	C7682	B26C51	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/18/2010	8/18/2010	1	0	1.90E-04
200-E-115	C7682	B26C53	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/19/2010	8/19/2010	1	0	2.60E-04
200-E-115	C7682	B26JL0	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	ug/kg	8/17/2010	8/17/2010	1	0	2.60E-04
200-E-115	C7682	B26C47	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/18/2010	8/18/2010	1	0	2.60E-04
200-E-115	C7682	B26C51	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/18/2010	8/18/2010	1	0	2.20E-04
200-E-115	C7682	B26C53	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	ug/kg	8/19/2010	8/19/2010	1	0	3.10E-04
200-E-115	C7682	B26C47	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/18/2010	8/18/2010	1	0	1.90E-04
200-E-115	C7682	B26C53	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/19/2010	8/19/2010	1	0	3.00E-04
200-E-115	C7682	B26C47	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	ug/kg	8/18/2010	8/18/2010	1	0	3.20E-04
200-E-115	C7682	B26C51	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	ug/kg	8/18/2010	8/18/2010	1	0	2.70E-04
200-E-115	C7682	B26C53	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	ug/kg	8/19/2010	8/19/2010	1	0	5.70E-04
200-E-115	C7682	B26C53	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/19/2010	8/19/2010	1	0	2.80E-04
200-E-115	C7682	B26C47	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	ug/kg	8/18/2010	8/18/2010	1	0	3.10E-04
200-E-115	C7682	B26C47	2,3',4,5'-Tetrachlorobiphenyl	73575-52-7	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26JL0	2,3',4,5'-Tetrachlorobiphenyl	73575-52-7	ug/kg	8/17/2010	8/17/2010	1	0	2.50E-04
200-E-115	C7682	B26C47	2,3,4',6-Tetrachlorobiphenyl	52663-58-8	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	2,3,4'-Trichlorobiphenyl	38444-85-8	ug/kg	8/19/2010	8/19/2010	1	0	5.70E-04
200-E-115	C7682	B26C47	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/18/2010	8/18/2010	1	0	2.30E-04
200-E-115	C7682	B26JL0	2,3',4-Trichlorobiphenyl	55712-37-3	ug/kg	8/17/2010	8/17/2010	1	0	2.30E-04
200-E-115	C7682	B26C47	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/18/2010	8/18/2010	1	0	3.60E-04
200-E-115	C7682	B26C51	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/18/2010	8/18/2010	1	0	3.30E-04
200-E-115	C7682	B26JL0	2,4',6-Trichlorobiphenyl	38444-77-8	ug/kg	8/17/2010	8/17/2010	1	0	2.90E-04
200-E-115	C7682	B26C48	2-Butanone	78-93-3	ug/kg	8/18/2010	8/18/2010	1	0	1.7
200-E-115	C7682	B26C50	2-Butanone	78-93-3	ug/kg	8/18/2010	8/18/2010	1	0	2.0
200-E-115	C7682	B26C54	2-Butanone	78-93-3	ug/kg	8/19/2010	8/19/2010	1	0	2.2
200-E-115	C7682	B26C56	2-Butanone	78-93-3	ug/kg	8/19/2010	8/19/2010	1	0	1.9

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C58	2-Butanone	78-93-3	ug/kg	8/23/2010	8/23/2010	1	0	1.7
200-E-115	C7682	B26C60	2-Butanone	78-93-3	ug/kg	8/24/2010	8/24/2010	1	0	2.7
200-E-115	C7682	B26C62	2-Butanone	78-93-3	ug/kg	8/25/2010	8/25/2010	1	0	1.9
200-E-115	C7682	B26JM1	2-Butanone	78-93-3	ug/kg	8/17/2010	8/17/2010	1	0	1.7
200-E-115	C7682	B26C47	2-Chlorophenol	95-57-8	ug/kg	8/18/2010	8/18/2010	1	0	66
200-E-115	C7682	B26C51	2-Chlorophenol	95-57-8	ug/kg	8/18/2010	8/18/2010	1	0	67
200-E-115	C7682	B26C53	2-Chlorophenol	95-57-8	ug/kg	8/19/2010	8/19/2010	1	0	66
200-E-115	C7682	B26C55	2-Chlorophenol	95-57-8	ug/kg	8/19/2010	8/19/2010	1	0	66
200-E-115	C7682	B26C57	2-Chlorophenol	95-57-8	ug/kg	8/23/2010	8/23/2010	1	0	66
200-E-115	C7682	B26C59	2-Chlorophenol	95-57-8	ug/kg	8/24/2010	8/24/2010	1	0	66
200-E-115	C7682	B26C61	2-Chlorophenol	95-57-8	ug/kg	8/25/2010	8/25/2010	1	0	66
200-E-115	C7682	B26JL1	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	8/17/2010	1	0	66
200-E-115	C7682	B26C47	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/18/2010	8/18/2010	1	0	94
200-E-115	C7682	B26C51	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/18/2010	8/18/2010	1	0	92
200-E-115	C7682	B26C53	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/19/2010	8/19/2010	1	0	93
200-E-115	C7682	B26C55	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/19/2010	8/19/2010	1	0	93
200-E-115	C7682	B26C57	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/23/2010	8/23/2010	1	0	93
200-E-115	C7682	B26C59	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/24/2010	8/24/2010	1	0	93
200-E-115	C7682	B26C61	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/25/2010	8/25/2010	1	0	93
200-E-115	C7682	B26JL1	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/17/2010	8/17/2010	1	0	93
200-E-115	C7682	B26C51	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/18/2010	8/18/2010	1	0	1.00E-04
200-E-115	C7682	B26C53	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/19/2010	8/19/2010	1	0	1.80E-04
200-E-115	C7682	B26JL0	2-Monochlorobiphenyl	2051-60-7	ug/kg	8/17/2010	8/17/2010	1	0	9.40E-05
200-E-115	C7682	B26C47	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/18/2010	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C51	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/18/2010	8/18/2010	1	0	1.80E-04
200-E-115	C7682	B26C53	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/19/2010	8/19/2010	1	0	2.60E-04
200-E-115	C7682	B26JL1	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/17/2010	8/17/2010	1	0	2.20E-04
200-E-115	C7682	B26C47	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/18/2010	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C51	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/18/2010	8/18/2010	1	0	1.60E-04
200-E-115	C7682	B26C53	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/19/2010	8/19/2010	1	0	3.20E-04
200-E-115	C7682	B26JL1	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/17/2010	8/17/2010	1	0	2.00E-04
200-E-115	C7682	B26C47	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/18/2010	8/18/2010	1	0	3.30E-04
200-E-115	C7682	B26C51	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/18/2010	8/18/2010	1	0	2.60E-04
200-E-115	C7682	B26C53	3,4,4'-Trichlorobiphenyl	38444-90-5	ug/kg	8/19/2010	8/19/2010	1	0	5.90E-04
200-E-115	C7682	B26C47	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/18/2010	8/18/2010	1	0	43
200-E-115	C7682	B26C51	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/18/2010	8/18/2010	1	0	43
200-E-115	C7682	B26C53	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/19/2010	8/19/2010	1	0	43
200-E-115	C7682	B26C55	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/19/2010	8/19/2010	1	0	43
200-E-115	C7682	B26C57	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/23/2010	8/23/2010	1	0	43
200-E-115	C7682	B26C59	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/24/2010	8/24/2010	1	0	43
200-E-115	C7682	B26C61	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/25/2010	8/25/2010	1	0	43
200-E-115	C7682	B26JL1	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	8/17/2010	1	0	43
200-E-115	C7682	B26C47	Acetate	71-50-1	ug/kg	8/18/2010	8/18/2010	1	0	60
200-E-115	C7682	B26C55	Acetate	71-50-1	ug/kg	8/19/2010	8/19/2010	1	0	60
200-E-115	C7682	B26C57	Acetate	71-50-1	ug/kg	8/23/2010	8/23/2010	1	0	60
200-E-115	C7682	B26C48	Acetone	67-64-1	ug/kg	8/18/2010	8/18/2010	1	0	1.9
200-E-115	C7682	B26C50	Acetone	67-64-1	ug/kg	8/18/2010	8/18/2010	1	0	2.2
200-E-115	C7682	B26C54	Acetone	67-64-1	ug/kg	8/19/2010	8/19/2010	1	0	2.4
200-E-115	C7682	B26C56	Acetone	67-64-1	ug/kg	8/19/2010	8/19/2010	1	0	2.1
200-E-115	C7682	B26C58	Acetone	67-64-1	ug/kg	8/23/2010	8/23/2010	1	0	1.9
200-E-115	C7682	B26C60	Acetone	67-64-1	ug/kg	8/24/2010	8/24/2010	1	0	3.0
200-E-115	C7682	B26C62	Acetone	67-64-1	ug/kg	8/25/2010	8/25/2010	1	0	2.2
200-E-115	C7682	B26JM1	Acetone	67-64-1	ug/kg	8/17/2010	8/17/2010	1	0	1.9
200-E-115	C7682	B26C47	Americium-241	14596-10-2	pCi/g	8/18/2010	8/18/2010	1	0	0.46

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C51	Americium-241	14596-10-2	pCi/g	8/18/2010	8/18/2010	1	0	0.59
200-E-115	C7682	B26C53	Americium-241	14596-10-2	pCi/g	8/19/2010	8/19/2010	1	0	0.50
200-E-115	C7682	B26C55	Americium-241	14596-10-2	pCi/g	8/19/2010	8/19/2010	1	0	0.63
200-E-115	C7682	B26C57	Americium-241	14596-10-2	pCi/g	8/23/2010	8/23/2010	1	0	0.49
200-E-115	C7682	B26C59	Americium-241	14596-10-2	pCi/g	8/24/2010	8/24/2010	1	0	0.61
200-E-115	C7682	B26C61	Americium-241	14596-10-2	pCi/g	8/25/2010	8/25/2010	1	0	0.61
200-E-115	C7682	B26JL0	Americium-241	14596-10-2	pCi/g	8/17/2010	8/17/2010	1	0	0.42
200-E-115	C7682	B26C59	Ammonium ion	14798-03-9	ug/kg	8/24/2010	8/24/2010	1	0	1,600
200-E-115	C7682	B26C47	Antimony-125	14234-35-6	pCi/g	8/18/2010	8/18/2010	1	0	1.00
200-E-115	C7682	B26C51	Antimony-125	14234-35-6	pCi/g	8/18/2010	8/18/2010	1	0	1.0
200-E-115	C7682	B26C53	Antimony-125	14234-35-6	pCi/g	8/19/2010	8/19/2010	1	0	1.0
200-E-115	C7682	B26C55	Antimony-125	14234-35-6	pCi/g	8/19/2010	8/19/2010	1	0	0.98
200-E-115	C7682	B26C57	Antimony-125	14234-35-6	pCi/g	8/23/2010	8/23/2010	1	0	0.97
200-E-115	C7682	B26C59	Antimony-125	14234-35-6	pCi/g	8/24/2010	8/24/2010	1	0	1.1
200-E-115	C7682	B26C61	Antimony-125	14234-35-6	pCi/g	8/25/2010	8/25/2010	1	0	1.0
200-E-115	C7682	B26JL0	Antimony-125	14234-35-6	pCi/g	8/17/2010	8/17/2010	1	0	0.99
200-E-115	C7682	B26C47	Aroclor-1260	11096-82-5	ug/kg	8/18/2010	8/18/2010	1	0	6.8
200-E-115	C7682	B26C51	Aroclor-1260	11096-82-5	ug/kg	8/18/2010	8/18/2010	1	0	6.5
200-E-115	C7682	B26C53	Aroclor-1260	11096-82-5	ug/kg	8/19/2010	8/19/2010	1	0	24
200-E-115	C7682	B26JL1	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	8/17/2010	1	0	6.4
200-E-115	C7682	B26C47	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/18/2010	8/18/2010	1	0	587
200-E-115	C7682	B26C51	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/18/2010	8/18/2010	1	0	590
200-E-115	C7682	B26C53	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/19/2010	8/19/2010	1	0	585
200-E-115	C7682	B26C55	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/19/2010	8/19/2010	1	0	588
200-E-115	C7682	B26C57	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/23/2010	8/23/2010	1	0	588
200-E-115	C7682	B26C59	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/24/2010	8/24/2010	1	0	583
200-E-115	C7682	B26C61	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/25/2010	8/25/2010	1	0	588
200-E-115	C7682	B26JL1	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/17/2010	8/17/2010	1	0	588
200-E-115	C7682	B26C47	Bismuth	7440-69-9	ug/kg	8/18/2010	8/18/2010	1	0	8,310
200-E-115	C7682	B26C47	Butylbenzylphthalate	85-68-7	ug/kg	8/18/2010	8/18/2010	1	0	50
200-E-115	C7682	B26C51	Butylbenzylphthalate	85-68-7	ug/kg	8/18/2010	8/18/2010	1	0	50
200-E-115	C7682	B26C55	Butylbenzylphthalate	85-68-7	ug/kg	8/19/2010	8/19/2010	1	0	50
200-E-115	C7682	B26C57	Butylbenzylphthalate	85-68-7	ug/kg	8/23/2010	8/23/2010	1	0	50
200-E-115	C7682	B26C59	Butylbenzylphthalate	85-68-7	ug/kg	8/24/2010	8/24/2010	1	0	49
200-E-115	C7682	B26C61	Butylbenzylphthalate	85-68-7	ug/kg	8/25/2010	8/25/2010	1	0	50
200-E-115	C7682	B26JL1	Butylbenzylphthalate	85-68-7	ug/kg	8/17/2010	8/17/2010	1	0	50
200-E-115	C7682	B26C59	Cadmium	7440-43-9	ug/kg	8/24/2010	8/24/2010	1	0	100
200-E-115	C7682	B26C51	Carbon-14	14762-75-5	pCi/g	8/18/2010	8/18/2010	1	0	1.3
200-E-115	C7682	B26C53	Carbon-14	14762-75-5	pCi/g	8/19/2010	8/19/2010	1	0	2.5
200-E-115	C7682	B26C55	Carbon-14	14762-75-5	pCi/g	8/19/2010	8/19/2010	1	0	1.4
200-E-115	C7682	B26C57	Carbon-14	14762-75-5	pCi/g	8/23/2010	8/23/2010	1	0	1.3
200-E-115	C7682	B26C59	Carbon-14	14762-75-5	pCi/g	8/24/2010	8/24/2010	1	0	1.3
200-E-115	C7682	B26C61	Carbon-14	14762-75-5	pCi/g	8/25/2010	8/25/2010	1	0	1.3
200-E-115	C7682	B26JL1	Carbon-14	14762-75-5	pCi/g	8/17/2010	8/17/2010	1	0	1.3
200-E-115	C7682	B26C47	Cesium-137	10045-97-3	pCi/g	8/18/2010	8/18/2010	1	0	0.54
200-E-115	C7682	B26C51	Cesium-137	10045-97-3	pCi/g	8/18/2010	8/18/2010	1	0	0.53
200-E-115	C7682	B26C53	Cesium-137	10045-97-3	pCi/g	8/19/2010	8/19/2010	1	0	0.53
200-E-115	C7682	B26C55	Cesium-137	10045-97-3	pCi/g	8/19/2010	8/19/2010	1	0	0.51
200-E-115	C7682	B26C57	Cesium-137	10045-97-3	pCi/g	8/23/2010	8/23/2010	1	0	0.55
200-E-115	C7682	B26C59	Cesium-137	10045-97-3	pCi/g	8/24/2010	8/24/2010	1	0	0.59
200-E-115	C7682	B26C61	Cesium-137	10045-97-3	pCi/g	8/25/2010	8/25/2010	1	0	0.54
200-E-115	C7682	B26JL0	Cesium-137	10045-97-3	pCi/g	8/17/2010	8/17/2010	1	0	0.57
200-E-115	C7682	B26C48	Chloroform	67-66-3	ug/kg	8/18/2010	8/18/2010	1	0	0.11
200-E-115	C7682	B26C50	Chloroform	67-66-3	ug/kg	8/18/2010	8/18/2010	1	0	0.13

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C54	Chloroform	67-66-3	ug/kg	8/19/2010	8/19/2010	1	0	0.14
200-E-115	C7682	B26C56	Chloroform	67-66-3	ug/kg	8/19/2010	8/19/2010	1	0	0.12
200-E-115	C7682	B26C58	Chloroform	67-66-3	ug/kg	8/23/2010	8/23/2010	1	0	0.12
200-E-115	C7682	B26C60	Chloroform	67-66-3	ug/kg	8/24/2010	8/24/2010	1	0	0.18
200-E-115	C7682	B26C62	Chloroform	67-66-3	ug/kg	8/25/2010	8/25/2010	1	0	0.13
200-E-115	C7682	B26JM1	Chloroform	67-66-3	ug/kg	8/17/2010	8/17/2010	1	0	0.11
200-E-115	C7682	B26C47	Cobalt-60	10198-40-0	pCi/g	8/18/2010	8/18/2010	1	0	0.40
200-E-115	C7682	B26C51	Cobalt-60	10198-40-0	pCi/g	8/18/2010	8/18/2010	1	0	0.37
200-E-115	C7682	B26C53	Cobalt-60	10198-40-0	pCi/g	8/19/2010	8/19/2010	1	0	0.41
200-E-115	C7682	B26C55	Cobalt-60	10198-40-0	pCi/g	8/19/2010	8/19/2010	1	0	0.40
200-E-115	C7682	B26C57	Cobalt-60	10198-40-0	pCi/g	8/23/2010	8/23/2010	1	0	0.41
200-E-115	C7682	B26C59	Cobalt-60	10198-40-0	pCi/g	8/24/2010	8/24/2010	1	0	0.40
200-E-115	C7682	B26C61	Cobalt-60	10198-40-0	pCi/g	8/25/2010	8/25/2010	1	0	0.41
200-E-115	C7682	B26JL0	Cobalt-60	10198-40-0	pCi/g	8/17/2010	8/17/2010	1	0	0.41
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 110 and 115	PCB110/115	ug/kg	8/18/2010	8/18/2010	1	0	7.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 128 and 166	PCB128/166	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 128 and 166	PCB128/166	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 128 and 166	PCB128/166	ug/kg	8/19/2010	8/19/2010	1	0	4.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 129, 138, 160, and 163	PCB129/138/160+	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 135 and 151	PCB135/151	ug/kg	8/18/2010	8/18/2010	1	0	4.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 135 and 151	PCB135/151	ug/kg	8/18/2010	8/18/2010	1	0	4.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 147 and 149	PCB147/149	ug/kg	8/19/2010	8/19/2010	1	0	4.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/18/2010	8/18/2010	1	0	4.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	ug/kg	8/19/2010	8/19/2010	1	0	4.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 18 and 30	PCB18/30	ug/kg	8/18/2010	8/18/2010	1	0	4.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 180 and 193	PCB180/193	ug/kg	8/19/2010	8/19/2010	1	0	3.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 183 and 185	PCB183/185	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 183 and 185	PCB183/185	ug/kg	8/18/2010	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 183 and 185	PCB183/185	ug/kg	8/19/2010	8/19/2010	1	0	3.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/18/2010	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/19/2010	8/19/2010	1	0	3.00E-04
200-E-115	C7682	B26JL0	Co-elution of PCB congeners BZ 198 and 201	PCB198/201	ug/kg	8/17/2010	8/17/2010	1	0	2.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	ug/kg	8/18/2010	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26JL0	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	ug/kg	8/17/2010	8/17/2010	1	0	2.00E-04

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 49 and 69	PCB49/69	ug/kg	8/18/2010	8/18/2010	1	0	4.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/18/2010	8/18/2010	1	0	4.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 83 and 99	PCB83/99	ug/kg	8/19/2010	8/19/2010	1	0	5.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB86/87/97+	ug/kg	8/19/2010	8/19/2010	1	0	4.00E-04
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 90, 101, and 113	PCB90/101/113	ug/kg	8/18/2010	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C47	Cyanide	57-12-5	ug/kg	8/18/2010	8/18/2010	1	0	2,610
200-E-115	C7682	B26C51	Cyanide	57-12-5	ug/kg	8/18/2010	8/18/2010	1	0	2,660
200-E-115	C7682	B26C53	Cyanide	57-12-5	ug/kg	8/19/2010	8/19/2010	1	0	2,680
200-E-115	C7682	B26C55	Cyanide	57-12-5	ug/kg	8/19/2010	8/19/2010	1	0	2,770
200-E-115	C7682	B26C57	Cyanide	57-12-5	ug/kg	8/23/2010	8/23/2010	1	0	2,610
200-E-115	C7682	B26C59	Cyanide	57-12-5	ug/kg	8/24/2010	8/24/2010	1	0	2,580
200-E-115	C7682	B26C61	Cyanide	57-12-5	ug/kg	8/25/2010	8/25/2010	1	0	2,650
200-E-115	C7682	B26JL1	Cyanide	57-12-5	ug/kg	8/17/2010	8/17/2010	1	0	2,600
200-E-115	C7682	B26C47	Di-n-butylphthalate	84-74-2	ug/kg	8/18/2010	8/18/2010	1	0	559
200-E-115	C7682	B26C51	Di-n-butylphthalate	84-74-2	ug/kg	8/18/2010	8/18/2010	1	0	562
200-E-115	C7682	B26C53	Di-n-butylphthalate	84-74-2	ug/kg	8/19/2010	8/19/2010	1	0	558
200-E-115	C7682	B26C55	Di-n-butylphthalate	84-74-2	ug/kg	8/19/2010	8/19/2010	1	0	560
200-E-115	C7682	B26C57	Di-n-butylphthalate	84-74-2	ug/kg	8/23/2010	8/23/2010	1	0	561
200-E-115	C7682	B26C59	Di-n-butylphthalate	84-74-2	ug/kg	8/24/2010	8/24/2010	1	0	556
200-E-115	C7682	B26C61	Di-n-butylphthalate	84-74-2	ug/kg	8/25/2010	8/25/2010	1	0	560
200-E-115	C7682	B26JL1	Di-n-butylphthalate	84-74-2	ug/kg	8/17/2010	8/17/2010	1	0	560
200-E-115	C7682	B26C47	Europium-152	14683-23-9	pCi/g	8/18/2010	8/18/2010	1	0	1.9
200-E-115	C7682	B26C51	Europium-152	14683-23-9	pCi/g	8/18/2010	8/18/2010	1	0	2.0
200-E-115	C7682	B26C53	Europium-152	14683-23-9	pCi/g	8/19/2010	8/19/2010	1	0	1.8
200-E-115	C7682	B26C55	Europium-152	14683-23-9	pCi/g	8/19/2010	8/19/2010	1	0	1.7
200-E-115	C7682	B26C57	Europium-152	14683-23-9	pCi/g	8/23/2010	8/23/2010	1	0	2.0
200-E-115	C7682	B26C59	Europium-152	14683-23-9	pCi/g	8/24/2010	8/24/2010	1	0	1.9
200-E-115	C7682	B26C61	Europium-152	14683-23-9	pCi/g	8/25/2010	8/25/2010	1	0	1.8
200-E-115	C7682	B26JL0	Europium-152	14683-23-9	pCi/g	8/17/2010	8/17/2010	1	0	1.9
200-E-115	C7682	B26C47	Europium-154	15585-10-1	pCi/g	8/18/2010	8/18/2010	1	0	1.2
200-E-115	C7682	B26C51	Europium-154	15585-10-1	pCi/g	8/18/2010	8/18/2010	1	0	1.3
200-E-115	C7682	B26C53	Europium-154	15585-10-1	pCi/g	8/19/2010	8/19/2010	1	0	1.3
200-E-115	C7682	B26C55	Europium-154	15585-10-1	pCi/g	8/19/2010	8/19/2010	1	0	1.2
200-E-115	C7682	B26C57	Europium-154	15585-10-1	pCi/g	8/23/2010	8/23/2010	1	0	1.2
200-E-115	C7682	B26C59	Europium-154	15585-10-1	pCi/g	8/24/2010	8/24/2010	1	0	1.4
200-E-115	C7682	B26C61	Europium-154	15585-10-1	pCi/g	8/25/2010	8/25/2010	1	0	1.4
200-E-115	C7682	B26JL0	Europium-154	15585-10-1	pCi/g	8/17/2010	8/17/2010	1	0	1.2
200-E-115	C7682	B26C47	Europium-155	14391-16-3	pCi/g	8/18/2010	8/18/2010	1	0	1.0
200-E-115	C7682	B26C51	Europium-155	14391-16-3	pCi/g	8/18/2010	8/18/2010	1	0	0.99
200-E-115	C7682	B26C53	Europium-155	14391-16-3	pCi/g	8/19/2010	8/19/2010	1	0	1.0
200-E-115	C7682	B26C55	Europium-155	14391-16-3	pCi/g	8/19/2010	8/19/2010	1	0	1.0
200-E-115	C7682	B26C57	Europium-155	14391-16-3	pCi/g	8/23/2010	8/23/2010	1	0	0.98
200-E-115	C7682	B26C59	Europium-155	14391-16-3	pCi/g	8/24/2010	8/24/2010	1	0	1.0
200-E-115	C7682	B26C61	Europium-155	14391-16-3	pCi/g	8/25/2010	8/25/2010	1	0	1.0
200-E-115	C7682	B26JL0	Europium-155	14391-16-3	pCi/g	8/17/2010	8/17/2010	1	0	1.0

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C47	Formate	FORMATE	ug/kg	8/18/2010	8/18/2010	1	0	47
200-E-115	C7682	B26C47	Mercury	7439-97-6	ug/kg	8/18/2010	8/18/2010	1	0	9.8
200-E-115	C7682	B26C51	Mercury	7439-97-6	ug/kg	8/18/2010	8/18/2010	1	0	9.0
200-E-115	C7682	B26C53	Mercury	7439-97-6	ug/kg	8/19/2010	8/19/2010	1	0	8.2
200-E-115	C7682	B26C55	Mercury	7439-97-6	ug/kg	8/19/2010	8/19/2010	1	0	8.6
200-E-115	C7682	B26C57	Mercury	7439-97-6	ug/kg	8/23/2010	8/23/2010	1	0	8.8
200-E-115	C7682	B26C59	Mercury	7439-97-6	ug/kg	8/24/2010	8/24/2010	1	0	9.6
200-E-115	C7682	B26C61	Mercury	7439-97-6	ug/kg	8/25/2010	8/25/2010	1	0	9.9
200-E-115	C7682	B26JL1	Mercury	7439-97-6	ug/kg	8/17/2010	8/17/2010	1	0	8.8
200-E-115	C7682	B26C48	Methylene chloride	75-09-2	ug/kg	8/18/2010	8/18/2010	1	0	0.055
200-E-115	C7682	B26C50	Methylene chloride	75-09-2	ug/kg	8/18/2010	8/18/2010	1	0	0.065
200-E-115	C7682	B26C54	Methylene chloride	75-09-2	ug/kg	8/19/2010	8/19/2010	1	0	0.071
200-E-115	C7682	B26C56	Methylene chloride	75-09-2	ug/kg	8/19/2010	8/19/2010	1	0	0.061
200-E-115	C7682	B26C58	Methylene chloride	75-09-2	ug/kg	8/23/2010	8/23/2010	1	0	0.056
200-E-115	C7682	B26C60	Methylene chloride	75-09-2	ug/kg	8/24/2010	8/24/2010	1	0	0.087
200-E-115	C7682	B26C62	Methylene chloride	75-09-2	ug/kg	8/25/2010	8/25/2010	1	0	0.063
200-E-115	C7682	B26JM1	Methylene chloride	75-09-2	ug/kg	8/17/2010	8/17/2010	1	0	0.055
200-E-115	C7682	B26C47	Molybdenum	7439-98-7	ug/kg	8/18/2010	8/18/2010	1	0	1,660
200-E-115	C7682	B26C55	Molybdenum	7439-98-7	ug/kg	8/19/2010	8/19/2010	1	0	1,670
200-E-115	C7682	B26C57	Molybdenum	7439-98-7	ug/kg	8/23/2010	8/23/2010	1	0	1,650
200-E-115	C7682	B26C59	Molybdenum	7439-98-7	ug/kg	8/24/2010	8/24/2010	1	0	1,650
200-E-115	C7682	B26C61	Molybdenum	7439-98-7	ug/kg	8/25/2010	8/25/2010	1	0	1,650
200-E-115	C7682	B26JL1	Molybdenum	7439-98-7	ug/kg	8/17/2010	8/17/2010	1	0	1,650
200-E-115	C7682	B26C47	Nickel-63	13981-37-8	pCi/g	8/18/2010	8/18/2010	1	0	4.3
200-E-115	C7682	B26C51	Nickel-63	13981-37-8	pCi/g	8/18/2010	8/18/2010	1	0	5.7
200-E-115	C7682	B26C53	Nickel-63	13981-37-8	pCi/g	8/19/2010	8/19/2010	1	0	5.5
200-E-115	C7682	B26C55	Nickel-63	13981-37-8	pCi/g	8/19/2010	8/19/2010	1	0	5.7
200-E-115	C7682	B26C57	Nickel-63	13981-37-8	pCi/g	8/23/2010	8/23/2010	1	0	3.6
200-E-115	C7682	B26C59	Nickel-63	13981-37-8	pCi/g	8/24/2010	8/24/2010	1	0	5.1
200-E-115	C7682	B26C61	Nickel-63	13981-37-8	pCi/g	8/25/2010	8/25/2010	1	0	5.9
200-E-115	C7682	B26JL0	Nickel-63	13981-37-8	pCi/g	8/17/2010	8/17/2010	1	0	4.7
200-E-115	C7682	B26C47	Nitrite	14797-65-0	ug/kg	8/18/2010	8/18/2010	1	0	192
200-E-115	C7682	B26C55	Nitrite	14797-65-0	ug/kg	8/19/2010	8/19/2010	1	0	190
200-E-115	C7682	B26C47	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/18/2010	8/18/2010	1	0	58
200-E-115	C7682	B26C51	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/18/2010	8/18/2010	1	0	58
200-E-115	C7682	B26C53	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/19/2010	8/19/2010	1	0	58
200-E-115	C7682	B26C55	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/19/2010	8/19/2010	1	0	58
200-E-115	C7682	B26C57	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/23/2010	8/23/2010	1	0	58
200-E-115	C7682	B26C59	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/24/2010	8/24/2010	1	0	57
200-E-115	C7682	B26C61	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/25/2010	8/25/2010	1	0	58
200-E-115	C7682	B26JL1	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	8/17/2010	1	0	58
200-E-115	C7682	B26C47	Oxalate	338-70-5	ug/kg	8/18/2010	8/18/2010	1	0	231
200-E-115	C7682	B26C51	Oxalate	338-70-5	ug/kg	8/18/2010	8/18/2010	1	0	227
200-E-115	C7682	B26C53	Oxalate	338-70-5	ug/kg	8/19/2010	8/19/2010	1	0	229
200-E-115	C7682	B26C55	Oxalate	338-70-5	ug/kg	8/19/2010	8/19/2010	1	0	228
200-E-115	C7682	B26C57	Oxalate	338-70-5	ug/kg	8/23/2010	8/23/2010	1	0	230
200-E-115	C7682	B26C59	Oxalate	338-70-5	ug/kg	8/24/2010	8/24/2010	1	0	230
200-E-115	C7682	B26C59	Phosphate	14265-44-2	ug/kg	8/24/2010	8/24/2010	1	0	166
200-E-115	C7682	B26C47	Plutonium-238	13981-16-3	pCi/g	8/18/2010	8/18/2010	1	0	0.29
200-E-115	C7682	B26C51	Plutonium-238	13981-16-3	pCi/g	8/18/2010	8/18/2010	1	0	0.35
200-E-115	C7682	B26C53	Plutonium-238	13981-16-3	pCi/g	8/19/2010	8/19/2010	1	0	0.33
200-E-115	C7682	B26C55	Plutonium-238	13981-16-3	pCi/g	8/19/2010	8/19/2010	1	0	0.32
200-E-115	C7682	B26C57	Plutonium-238	13981-16-3	pCi/g	8/23/2010	8/23/2010	1	0	0.40
200-E-115	C7682	B26C59	Plutonium-238	13981-16-3	pCi/g	8/24/2010	8/24/2010	1	0	0.47

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C61	Plutonium-238	13981-16-3	pCi/g	8/25/2010	8/25/2010	1	0	0.41
200-E-115	C7682	B26JL1	Plutonium-238	13981-16-3	pCi/g	8/17/2010	8/17/2010	1	0	0.26
200-E-115	C7682	B26C47	Plutonium-239/240	PU-239/240	pCi/g	8/18/2010	8/18/2010	1	0	0.29
200-E-115	C7682	B26C51	Plutonium-239/240	PU-239/240	pCi/g	8/18/2010	8/18/2010	1	0	0.35
200-E-115	C7682	B26C53	Plutonium-239/240	PU-239/240	pCi/g	8/19/2010	8/19/2010	1	0	0.33
200-E-115	C7682	B26C55	Plutonium-239/240	PU-239/240	pCi/g	8/19/2010	8/19/2010	1	0	0.32
200-E-115	C7682	B26C57	Plutonium-239/240	PU-239/240	pCi/g	8/23/2010	8/23/2010	1	0	0.40
200-E-115	C7682	B26C59	Plutonium-239/240	PU-239/240	pCi/g	8/24/2010	8/24/2010	1	0	0.47
200-E-115	C7682	B26C61	Plutonium-239/240	PU-239/240	pCi/g	8/25/2010	8/25/2010	1	0	0.41
200-E-115	C7682	B26JL1	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	8/17/2010	1	0	0.26
200-E-115	C7682	B26C47	Pyrene	129-00-0	ug/kg	8/18/2010	8/18/2010	1	0	63
200-E-115	C7682	B26C51	Pyrene	129-00-0	ug/kg	8/18/2010	8/18/2010	1	0	63
200-E-115	C7682	B26C53	Pyrene	129-00-0	ug/kg	8/19/2010	8/19/2010	1	0	62
200-E-115	C7682	B26C55	Pyrene	129-00-0	ug/kg	8/19/2010	8/19/2010	1	0	63
200-E-115	C7682	B26C57	Pyrene	129-00-0	ug/kg	8/23/2010	8/23/2010	1	0	63
200-E-115	C7682	B26C59	Pyrene	129-00-0	ug/kg	8/24/2010	8/24/2010	1	0	62
200-E-115	C7682	B26C61	Pyrene	129-00-0	ug/kg	8/25/2010	8/25/2010	1	0	63
200-E-115	C7682	B26JL1	Pyrene	129-00-0	ug/kg	8/17/2010	8/17/2010	1	0	63
200-E-115	C7682	B26C47	Selenium-79	15758-45-9	pCi/g	8/18/2010	8/18/2010	1	0	2.6
200-E-115	C7682	B26C51	Selenium-79	15758-45-9	pCi/g	8/18/2010	8/18/2010	1	0	3.0
200-E-115	C7682	B26C53	Selenium-79	15758-45-9	pCi/g	8/19/2010	8/19/2010	1	0	2.2
200-E-115	C7682	B26C55	Selenium-79	15758-45-9	pCi/g	8/19/2010	8/19/2010	1	0	4.3
200-E-115	C7682	B26C57	Selenium-79	15758-45-9	pCi/g	8/23/2010	8/23/2010	1	0	1.7
200-E-115	C7682	B26C59	Selenium-79	15758-45-9	pCi/g	8/24/2010	8/24/2010	1	0	2.5
200-E-115	C7682	B26C61	Selenium-79	15758-45-9	pCi/g	8/25/2010	8/25/2010	1	0	5.1
200-E-115	C7682	B26JL1	Selenium-79	15758-45-9	pCi/g	8/17/2010	8/17/2010	1	0	1.4
200-E-115	C7682	B26C47	Silver	7440-22-4	ug/kg	8/18/2010	8/18/2010	1	0	100
200-E-115	C7682	B26C51	Silver	7440-22-4	ug/kg	8/18/2010	8/18/2010	1	0	100
200-E-115	C7682	B26C53	Silver	7440-22-4	ug/kg	8/19/2010	8/19/2010	1	0	100
200-E-115	C7682	B26C55	Silver	7440-22-4	ug/kg	8/19/2010	8/19/2010	1	0	100
200-E-115	C7682	B26C57	Silver	7440-22-4	ug/kg	8/23/2010	8/23/2010	1	0	80
200-E-115	C7682	B26C59	Silver	7440-22-4	ug/kg	8/24/2010	8/24/2010	1	0	100
200-E-115	C7682	B26C61	Silver	7440-22-4	ug/kg	8/25/2010	8/25/2010	1	0	90
200-E-115	C7682	B26JL1	Silver	7440-22-4	ug/kg	8/17/2010	8/17/2010	1	0	100
200-E-115	C7682	B26C47	Strontium-90	10098-97-2	pCi/g	8/18/2010	8/18/2010	1	0	0.18
200-E-115	C7682	B26C51	Strontium-90	10098-97-2	pCi/g	8/18/2010	8/18/2010	1	0	0.19
200-E-115	C7682	B26C53	Strontium-90	10098-97-2	pCi/g	8/19/2010	8/19/2010	1	0	0.18
200-E-115	C7682	B26C55	Strontium-90	10098-97-2	pCi/g	8/19/2010	8/19/2010	1	0	0.19
200-E-115	C7682	B26C57	Strontium-90	10098-97-2	pCi/g	8/23/2010	8/23/2010	1	0	0.19
200-E-115	C7682	B26C59	Strontium-90	10098-97-2	pCi/g	8/24/2010	8/24/2010	1	0	0.71
200-E-115	C7682	B26C61	Strontium-90	10098-97-2	pCi/g	8/25/2010	8/25/2010	1	0	0.65
200-E-115	C7682	B26JL1	Strontium-90	10098-97-2	pCi/g	8/17/2010	8/17/2010	1	0	0.21
200-E-115	C7682	B26C62	Styrene	100-42-5	ug/kg	8/25/2010	8/25/2010	1	0	0.33
200-E-115	C7682	B26C59	Thallium	7440-28-0	ug/kg	8/24/2010	8/24/2010	1	0	100
200-E-115	C7682	B26JL1	Thallium	7440-28-0	ug/kg	8/17/2010	8/17/2010	1	0	100
200-E-115	C7682	B26C62	Toluene	108-88-3	ug/kg	8/25/2010	8/25/2010	1	0	0.48
200-E-115	C7682	B26C47	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/18/2010	8/18/2010	1	0	370
200-E-115	C7682	B26C51	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/18/2010	8/18/2010	1	0	350
200-E-115	C7682	B26C53	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/19/2010	8/19/2010	1	0	1,300
200-E-115	C7682	B26C47	Tributyl phosphate	126-73-8	ug/kg	8/18/2010	8/18/2010	1	0	107
200-E-115	C7682	B26C51	Tributyl phosphate	126-73-8	ug/kg	8/18/2010	8/18/2010	1	0	108

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-E-115	C7682	B26C53	Tributyl phosphate	126-73-8	ug/kg	8/19/2010	8/19/2010	1	0	107
200-E-115	C7682	B26C55	Tributyl phosphate	126-73-8	ug/kg	8/19/2010	8/19/2010	1	0	107
200-E-115	C7682	B26C57	Tributyl phosphate	126-73-8	ug/kg	8/23/2010	8/23/2010	1	0	107
200-E-115	C7682	B26C59	Tributyl phosphate	126-73-8	ug/kg	8/24/2010	8/24/2010	1	0	107
200-E-115	C7682	B26C61	Tributyl phosphate	126-73-8	ug/kg	8/25/2010	8/25/2010	1	0	107
200-E-115	C7682	B26JL1	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	8/17/2010	1	0	107
200-E-115	C7682	B26C48	Trichloromonofluoromethane	75-69-4	ug/kg	8/18/2010	8/18/2010	1	0	0.080
200-E-115	C7682	B26C50	Trichloromonofluoromethane	75-69-4	ug/kg	8/18/2010	8/18/2010	1	0	0.095
200-E-115	C7682	B26C54	Trichloromonofluoromethane	75-69-4	ug/kg	8/19/2010	8/19/2010	1	0	0.10
200-E-115	C7682	B26C56	Trichloromonofluoromethane	75-69-4	ug/kg	8/19/2010	8/19/2010	1	0	0.089
200-E-115	C7682	B26C58	Trichloromonofluoromethane	75-69-4	ug/kg	8/23/2010	8/23/2010	1	0	0.082
200-E-115	C7682	B26C60	Trichloromonofluoromethane	75-69-4	ug/kg	8/24/2010	8/24/2010	1	0	0.13
200-E-115	C7682	B26C62	Trichloromonofluoromethane	75-69-4	ug/kg	8/25/2010	8/25/2010	1	0	0.093
200-E-115	C7682	B26JM1	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	8/17/2010	1	0	0.081
200-E-115	C7682	B26C47	Tritium	10028-17-8	pCi/g	8/18/2010	8/18/2010	1	0	4.0
200-E-115	C7682	B26C55	Tritium	10028-17-8	pCi/g	8/19/2010	8/19/2010	1	0	3.8
200-E-115	C7682	B26C57	Tritium	10028-17-8	pCi/g	8/23/2010	8/23/2010	1	0	4.3
200-E-115	C7682	B26C61	Tritium	10028-17-8	pCi/g	8/25/2010	8/25/2010	1	0	4.4
200-W-54	299-W22-84	B139C4	2-Butanone	78-93-3	ug/kg	10/19/2001	10/19/2001	1	0	18
200-W-54	299-W22-84	B139D1	2-Butanone	78-93-3	ug/kg	10/19/2001	10/19/2001	1	0	10
200-W-54	299-W22-84	B139C3	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C4	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	1	0	480
200-W-54	299-W22-84	B139C3	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C4	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	1	0	480
200-W-54	299-W22-84	B139C4	Acetone	67-64-1	ug/kg	10/19/2001	10/19/2001	1	0	15
200-W-54	299-W22-84	B139C4	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	1	0	0.13
200-W-54	299-W22-84	B139D1	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	1	0	0.13
200-W-54	299-W22-84	B139C4	Ammonia	7664-41-7	ug/kg	10/19/2001	10/19/2001	1	0	4,260
200-W-54	299-W22-84	B139C3	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	1	0	34
200-W-54	299-W22-84	B139C4	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	1	0	48
200-W-54	299-W22-84	B139C3	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C4	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	1	0	480
200-W-54	299-W22-84	B139C3	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	1	0	300
200-W-54	299-W22-84	B139C4	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	1	0	450
200-W-54	299-W22-84	B139C3	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C4	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	1	0	480
200-W-54	299-W22-84	B139C3	Carbon-14	14762-75-5	pCi/g	10/19/2001	10/19/2001	1	0	3.9
200-W-54	299-W22-84	B139C4	Carbon-14	14762-75-5	pCi/g	10/19/2001	10/19/2001	1	0	3.7
200-W-54	299-W22-84	B139C4	Cesium-137	10045-97-3	pCi/g	10/19/2001	10/19/2001	1	0	0.020
200-W-54	299-W22-84	B139C4	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	1	0	8.0
200-W-54	299-W22-84	B139D1	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	1	0	5.0
200-W-54	299-W22-84	B139C3	Cobalt-60	10198-40-0	pCi/g	10/19/2001	10/19/2001	1	0	0.044
200-W-54	299-W22-84	B139C4	Cobalt-60	10198-40-0	pCi/g	10/19/2001	10/19/2001	1	0	0.020
200-W-54	299-W22-84	B139C3	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	1	0	450
200-W-54	299-W22-84	B139C4	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	1	0	470
200-W-54	299-W22-84	B139C3	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C4	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	1	0	480
200-W-54	299-W22-84	B139C3	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C4	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	1	0	480
200-W-54	299-W22-84	B139C4	Europium-152	14683-23-9	pCi/g	10/19/2001	10/19/2001	1	0	0.046
200-W-54	299-W22-84	B139D1	Europium-152	14683-23-9	pCi/g	10/19/2001	10/19/2001	1	0	0.10
200-W-54	299-W22-84	B139C3	Europium-154	15585-10-1	pCi/g	10/19/2001	10/19/2001	1	0	0.14
200-W-54	299-W22-84	B139C4	Europium-154	15585-10-1	pCi/g	10/19/2001	10/19/2001	1	0	0.083
200-W-54	299-W22-84	B139C4	Europium-155	14391-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0.058

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-W-54	299-W22-84	B139D1	Europium-155	14391-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0.11
200-W-54	299-W22-84	B139C4	Nickel-63	13981-37-8	pCi/g	10/19/2001	10/19/2001	1	0	2.0
200-W-54	299-W22-84	B139D1	Nickel-63	13981-37-8	pCi/g	10/19/2001	10/19/2001	1	0	2.1
200-W-54	299-W22-84	B139C4	Nitrate	14797-55-8	ug/kg	10/19/2001	10/19/2001	1	0	1,800
200-W-54	299-W22-84	B139C3	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	1	0	1,290
200-W-54	299-W22-84	B139C4	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	1	0	1,800
200-W-54	299-W22-84	B139C3	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C4	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	1	0	480
200-W-54	299-W22-84	B139C3	Phenol	108-95-2	ug/kg	10/19/2001	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C4	Phenol	108-95-2	ug/kg	10/19/2001	10/19/2001	1	0	480
200-W-54	299-W22-84	B139C4	Plutonium-238	13981-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0.27
200-W-54	299-W22-84	B139D1	Plutonium-238	13981-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0.034
200-W-54	299-W22-84	B139C4	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	10/19/2001	1	0	0.27
200-W-54	299-W22-84	B139D1	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	10/19/2001	1	0	0.034
200-W-54	299-W22-84	B139C3	Pyrene	129-00-0	ug/kg	10/19/2001	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C4	Pyrene	129-00-0	ug/kg	10/19/2001	10/19/2001	1	0	480
200-W-54	299-W22-84	B139C3	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	1	0	300
200-W-54	299-W22-84	B139C4	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	1	0	450
200-W-54	299-W22-84	B139C4	Strontium-90	10098-97-2	pCi/g	10/19/2001	10/19/2001	1	0	0.33
200-W-54	299-W22-84	B139D1	Strontium-90	10098-97-2	pCi/g	10/19/2001	10/19/2001	1	0	0.33
200-W-54	299-W22-84	B139C4	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	1	0	8.0
200-W-54	299-W22-84	B139D1	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	1	0	5.0
200-W-54	299-W22-84	B139C4	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	1	0	55,500
200-W-54	299-W22-84	B139D1	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	1	0	36,000
200-W-54	299-W22-84	B139C3	Technetium-99	14133-76-7	pCi/g	10/19/2001	10/19/2001	1	0	0.41
200-W-54	299-W22-84	B139C4	Technetium-99	14133-76-7	pCi/g	10/19/2001	10/19/2001	1	0	0.38
200-W-54	299-W22-84	B139C4	Thorium-230	14269-63-7	pCi/g	10/19/2001	10/19/2001	1	0	0.31
200-W-54	299-W22-84	B139C4	Toluene	108-88-3	ug/kg	10/19/2001	10/19/2001	1	0	8.0
200-W-54	299-W22-84	B139D1	Toluene	108-88-3	ug/kg	10/19/2001	10/19/2001	1	0	5.0
200-W-54	299-W22-84	B139C3	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	10/19/2001	1	0	12,300
200-W-54	299-W22-84	B139C4	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	10/19/2001	1	0	17,200
200-W-54	299-W22-84	B139C3	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C4	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	1	0	480
200-W-54	299-W22-84	B139C4	Tritium	10028-17-8	pCi/g	10/19/2001	10/19/2001	1	0	0.14
200-W-54	299-W22-84	B139D1	Tritium	10028-17-8	pCi/g	10/19/2001	10/19/2001	1	0	0.10
200-W-54	299-W22-84	B139C4	Uranium-235	15117-96-1	pCi/g	10/19/2001	10/19/2001	1	0	0.17
200-W-54	299-W22-84	B139D1	Uranium-235	15117-96-1	pCi/g	10/19/2001	10/19/2001	1	0	0.18
200-W-54	299-W22-90	B2L7W7	2-Butanone	78-93-3	ug/kg	6/26/2012	6/26/2012	1	0	1.0
200-W-54	299-W22-90	B2L7W7	Acetone	67-64-1	ug/kg	6/26/2012	6/26/2012	1	0	1.0
200-W-54	299-W22-90	B2L7W6	Antimony	7440-36-0	ug/kg	6/26/2012	6/26/2012	1	0	360
200-W-54	299-W22-90	B2L7W5	Antimony-125	14234-35-6	pCi/g	6/26/2012	6/26/2012	1	0	0.050
200-W-54	299-W22-90	B2L7W5	Carbon-14	14762-75-5	pCi/g	6/26/2012	6/26/2012	1	0	3.6
200-W-54	299-W22-90	B2L7W5	Cesium-134	13967-70-9	pCi/g	6/26/2012	6/26/2012	1	0	0.035
200-W-54	299-W22-90	B2L7W5	Cesium-137	10045-97-3	pCi/g	6/26/2012	6/26/2012	1	0	0.024
200-W-54	299-W22-90	B2L7W5	Cobalt-60	10198-40-0	pCi/g	6/26/2012	6/26/2012	1	0	0.023
200-W-54	299-W22-90	B2L7W5	Europium-152	14683-23-9	pCi/g	6/26/2012	6/26/2012	1	0	0.061
200-W-54	299-W22-90	B2L7W5	Europium-154	15585-10-1	pCi/g	6/26/2012	6/26/2012	1	0	0.085
200-W-54	299-W22-90	B2L7W5	Europium-155	14391-16-3	pCi/g	6/26/2012	6/26/2012	1	0	0.073
200-W-54	299-W22-90	B2L7W7	Hexane	110-54-3	ug/kg	6/26/2012	6/26/2012	1	0	1.0
200-W-54	299-W22-90	B2L7W7	Methylene chloride	75-09-2	ug/kg	6/26/2012	6/26/2012	1	0	1.0
200-W-54	299-W22-90	B2L7W5	Nickel-63	13981-37-8	pCi/g	6/26/2012	6/26/2012	1	0	3.2
200-W-54	299-W22-90	B2L7W6	Phenol	108-95-2	ug/kg	6/26/2012	6/26/2012	1	0	200

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
200-W-54	299-W22-90	B2L7W6	Plutonium-239/240	PU-239/240	pCi/g	6/26/2012	6/26/2012	1	0	0.0062
200-W-54	299-W22-90	B2L7W6	Pyrene	129-00-0	ug/kg	6/26/2012	6/26/2012	1	0	200
200-W-54	299-W22-90	B2L7W6	Strontium-90	10098-97-2	pCi/g	6/26/2012	6/26/2012	1	0	0.65
200-W-54	299-W22-90	B2L7W5	Thorium-230	14269-63-7	pCi/g	6/26/2012	6/26/2012	1	0	0.65
200-W-54	299-W22-90	B2L7W5	Tin-126	15832-50-5	pCi/g	6/26/2012	6/26/2012	1	0	0.061
200-W-54	299-W22-90	B2L7W7	Toluene	108-88-3	ug/kg	6/26/2012	6/26/2012	1	0	1.0
200-W-54	299-W22-90	B2L7W6	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	6/26/2012	6/26/2012	1	0	4,000
200-W-54	299-W22-90	B2L7W5	Tritium	10028-17-8	pCi/g	6/26/2012	6/26/2012	1	0	5.2
200-W-54	299-W22-90	B2L7W6	Uranium-235	15117-96-1	pCi/g	6/26/2012	6/26/2012	1	0	0.0057
207-A-South	207-A-1	B32HP2	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.4
207-A-South	207-A-1	B32HP2	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.8
207-A-South	207-A-10	B32HT6	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.1
207-A-South	207-A-10	B32HT6	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7
207-A-South	207-A-11	B32HV0	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	2.7
207-A-South	207-A-11	B32HV0	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.5
207-A-South	207-A-12	B32HV2	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.2
207-A-South	207-A-12	B32HV2	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7
207-A-South	207-A-13	B32HV4	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.1
207-A-South	207-A-13	B32HV4	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7
207-A-South	207-A-14	B32HT4	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.1
207-A-South	207-A-14	B32HT4	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7
207-A-South	207-A-15	B32HW0	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.1
207-A-South	207-A-15	B32HW0	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.6
207-A-South	207-A-16	B32HW2	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	4.0
207-A-South	207-A-16	B32HW2	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	6.7
207-A-South	207-A-17	B32HW4	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.1
207-A-South	207-A-17	B32HW4	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7
207-A-South	207-A-18	B32HW6	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.3
207-A-South	207-A-18	B32HW6	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7
207-A-South	207-A-19	B32HW8	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.1
207-A-South	207-A-19	B32HW8	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.6
207-A-South	207-A-2	B32HP4	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.1
207-A-South	207-A-2	B32HP4	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7
207-A-South	207-A-20	B32HY8	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	2.7
207-A-South	207-A-20	B32HY8	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.5
207-A-South	207-A-3	B32HP6	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.4
207-A-South	207-A-3	B32HP6	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.8
207-A-South	207-A-4	B32HP8	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.1
207-A-South	207-A-4	B32HP8	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.6
207-A-South	207-A-5	B32HR0	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.2
207-A-South	207-A-5	B32HR0	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7
207-A-South	207-A-6	B32HR6	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.2
207-A-South	207-A-6	B32HR6	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7
207-A-South	207-A-7	B32HR8	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.3
207-A-South	207-A-7	B32HR8	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7
207-A-South	207-A-8	B32HT0	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.2
207-A-South	207-A-8	B32HT0	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7
207-A-South	207-A-9	B32HT2	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.2
207-A-South	207-A-9	B32HT2	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7
207-A-South	207-A-CELL 1	B32HX0	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	2.9
207-A-South	207-A-CELL 1	B32HX0	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.6
207-A-South	207-A-CELL 2	B32HX8	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.2
207-A-South	207-A-CELL 2	B32HY0	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.7

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
207-A-South	207-A-CELL 3	B32HY2	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	3.0
207-A-South	207-A-CELL 3	B32HY2	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.6
207-A-South	207-A-STOCKPILE	B32J15	Acetone	67-64-1	ug/kg	11/12/2015	11/12/2015	1	0	2.5
207-A-South	207-A-STOCKPILE	B32J15	Methylene chloride	75-09-2	ug/kg	11/12/2015	11/12/2015	1	0	1.3
207-A-South	C4113	B17HR9	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	ug/kg	9/3/2003	9/3/2003	1	0	18
207-A-South	C4113	B17HR9	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	9/3/2003	9/3/2003	1	0	36
207-A-South	C4113	B17HR8	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR8	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	1	0	150
207-A-South	C4113	B17HR8	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	1	0	69
207-A-South	C4113	B17HR8	Acetone	67-64-1	ug/kg	9/10/2003	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR8	Americium-241	14596-10-2	pCi/g	9/10/2003	9/10/2003	1	0	0.024
207-A-South	C4113	B17HR8	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	1	0	258
207-A-South	C4113	B17HR8	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	1	0	4,860
207-A-South	C4113	B17HR8	Antimony-125	14234-35-6	pCi/g	9/10/2003	9/10/2003	1	0	0.024
207-A-South	C4113	B17HR8	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	1	0	51
207-A-South	C4113	B17HR8	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	1	0	2,910
207-A-South	C4113	B17HR8	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	1	0	2,910
207-A-South	C4113	B17HR8	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	1	0	580
207-A-South	C4113	B17HR8	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	1	0	4,970
207-A-South	C4113	B17HR8	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	1	0	5,070
207-A-South	C4113	B17HR8	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	1	0	69
207-A-South	C4113	B17HR8	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	1	0	971
207-A-South	C4113	B17HR9	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/3/2003	1	0	3.8
207-A-South	C4113	B17HT0	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/3/2003	1	0	3.6
207-A-South	C4113	B17HT1	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/3/2003	1	0	2.5
207-A-South	C4113	B17HT2	Carbon-14	14762-75-5	pCi/g	9/10/2003	9/10/2003	1	0	1.6
207-A-South	C4113	B17HR8	Cesium-134	13967-70-9	pCi/g	9/10/2003	9/10/2003	1	0	0.031
207-A-South	C4113	B17HR8	Cesium-137	10045-97-3	pCi/g	9/10/2003	9/10/2003	1	0	0.0080
207-A-South	C4113	B17HR8	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR8	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	1	0	2,910
207-A-South	C4113	B17HR8	Cobalt-60	10198-40-0	pCi/g	9/10/2003	9/10/2003	1	0	0.0080
207-A-South	C4113	B17HR8	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	1	0	200
207-A-South	C4113	B17HR8	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	1	0	89
207-A-South	C4113	B17HR8	Europium-152	14683-23-9	pCi/g	9/10/2003	9/10/2003	1	0	0.025
207-A-South	C4113	B17HR8	Europium-154	15585-10-1	pCi/g	9/10/2003	9/10/2003	1	0	0.027
207-A-South	C4113	B17HR8	Europium-155	14391-16-3	pCi/g	9/10/2003	9/10/2003	1	0	0.038
207-A-South	C4113	B17HR8	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	1	0	350
207-A-South	C4113	B17HR9	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/3/2003	1	0	430
207-A-South	C4113	B17HT0	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/3/2003	1	0	440
207-A-South	C4113	B17HT1	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/3/2003	1	0	420
207-A-South	C4113	B17HT2	Hexavalent Chromium	18540-29-9	ug/kg	9/10/2003	9/10/2003	1	0	410
207-A-South	C4113	B17HR8	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	1	0	11,700
207-A-South	C4113	B17HR8	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	1	0	971
207-A-South	C4113	B17HR8	Methylene chloride	75-09-2	ug/kg	9/10/2003	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR8	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	1	0	4,860
207-A-South	C4113	B17HR9	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/3/2003	1	0	2.3
207-A-South	C4113	B17HT0	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/3/2003	1	0	2.3
207-A-South	C4113	B17HT1	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/3/2003	1	0	2.3
207-A-South	C4113	B17HT2	Nickel-63	13981-37-8	pCi/g	9/10/2003	9/10/2003	1	0	2.4
207-A-South	C4113	B17HR8	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	1	0	1,480

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
207-A-South	C4113	B17HR8	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	1	0	69
207-A-South	C4113	B17HR8	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	1	0	100
207-A-South	C4113	B17HR8	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	1	0	1,990
207-A-South	C4113	B17HR8	Plutonium-238	13981-16-3	pCi/g	9/10/2003	9/10/2003	1	0	0.056
207-A-South	C4113	B17HR8	Plutonium-239/240	PU-239/240	pCi/g	9/10/2003	9/10/2003	1	0	0.022
207-A-South	C4113	B17HR8	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	1	0	69
207-A-South	C4113	B17HR8	Ruthenium-106	13967-48-1	pCi/g	9/10/2003	9/10/2003	1	0	0.069
207-A-South	C4113	B17HR8	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	1	0	2,910
207-A-South	C4113	B17HT1	Strontium-90	10098-97-2	pCi/g	9/3/2003	9/3/2003	1	0	0.25
207-A-South	C4113	B17HT2	Strontium-90	10098-97-2	pCi/g	9/10/2003	9/10/2003	1	0	0.27
207-A-South	C4113	B17HR8	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR9	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/3/2003	1	0	0.44
207-A-South	C4113	B17HT0	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/3/2003	1	0	0.58
207-A-South	C4113	B17HT1	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/3/2003	1	0	0.56
207-A-South	C4113	B17HT2	Technetium-99	14133-76-7	pCi/g	9/10/2003	9/10/2003	1	0	0.59
207-A-South	C4113	B17HT1	Thorium-228	14274-82-9	pCi/g	9/3/2003	9/3/2003	1	0	0.23
207-A-South	C4113	B17HT2	Thorium-230	14269-63-7	pCi/g	9/10/2003	9/10/2003	1	0	0.29
207-A-South	C4113	B17HT1	Thorium-232	TH-232	pCi/g	9/3/2003	9/3/2003	1	0	0.23
207-A-South	C4113	B17HR8	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	1	0	0.20
207-A-South	C4113	B17HR8	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR8	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	1	0	3,900
207-A-South	C4113	B17HR8	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	1	0	69
207-A-South	C4113	B17HT1	Tritium	10028-17-8	pCi/g	9/3/2003	9/3/2003	1	0	0.26
207-A-South	C4113	B17HT2	Tritium	10028-17-8	pCi/g	9/10/2003	9/10/2003	1	0	0.26
207-A-South	C4113	B17HR8	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	1	0	971
207-A-South	C4114	B17HX4	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	9/3/2003	9/3/2003	1	0	36
207-A-South	C4114	B17HY3	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	1	0	150
207-A-South	C4114	B17HY3	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Acetone	67-64-1	ug/kg	9/10/2003	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	1	0	258
207-A-South	C4114	B17HY3	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	1	0	4,930
207-A-South	C4114	B17HY3	Antimony-125	14234-35-6	pCi/g	9/10/2003	9/10/2003	1	0	0.029
207-A-South	C4114	B17HY3	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	1	0	50
207-A-South	C4114	B17HY3	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	1	0	2,960
207-A-South	C4114	B17HY3	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	1	0	2,960
207-A-South	C4114	B17HY3	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	1	0	570
207-A-South	C4114	B17HY3	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	1	0	4,980
207-A-South	C4114	B17HY3	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	1	0	5,080
207-A-South	C4114	B17HY3	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	1	0	986
207-A-South	C4114	B17HX4	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/3/2003	1	0	3.6
207-A-South	C4114	B17HX5	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/3/2003	1	0	3.4
207-A-South	C4114	B17HX6	Carbon-14	14762-75-5	pCi/g	9/4/2003	9/4/2003	1	0	2.5
207-A-South	C4114	B17HX7	Carbon-14	14762-75-5	pCi/g	9/10/2003	9/10/2003	1	0	2.0
207-A-South	C4114	B17HY3	Cesium-134	13967-70-9	pCi/g	9/10/2003	9/10/2003	1	0	0.044
207-A-South	C4114	B17HY3	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	1	0	2,960
207-A-South	C4114	B17HY3	Cobalt-60	10198-40-0	pCi/g	9/10/2003	9/10/2003	1	0	0.010
207-A-South	C4114	B17HY3	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	1	0	200
207-A-South	C4114	B17HY3	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	1	0	89
207-A-South	C4114	B17HY3	Europium-152	14683-23-9	pCi/g	9/10/2003	9/10/2003	1	0	0.031

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
207-A-South	C4114	B17HY3	Europium-154	15585-10-1	pCi/g	9/10/2003	9/10/2003	1	0	0.034
207-A-South	C4114	B17HY3	Europium-155	14391-16-3	pCi/g	9/10/2003	9/10/2003	1	0	0.046
207-A-South	C4114	B17HY3	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	1	0	350
207-A-South	C4114	B17HX4	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/3/2003	1	0	440
207-A-South	C4114	B17HX5	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/3/2003	1	0	430
207-A-South	C4114	B17HX6	Hexavalent Chromium	18540-29-9	ug/kg	9/4/2003	9/4/2003	1	0	420
207-A-South	C4114	B17HX7	Hexavalent Chromium	18540-29-9	ug/kg	9/10/2003	9/10/2003	1	0	410
207-A-South	C4114	B17HY3	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	1	0	11,800
207-A-South	C4114	B17HY3	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	1	0	986
207-A-South	C4114	B17HY3	Methylene chloride	75-09-2	ug/kg	9/10/2003	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	1	0	6,500
207-A-South	C4114	B17HX4	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/3/2003	1	0	2.5
207-A-South	C4114	B17HX5	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/3/2003	1	0	2.3
207-A-South	C4114	B17HX6	Nickel-63	13981-37-8	pCi/g	9/4/2003	9/4/2003	1	0	2.3
207-A-South	C4114	B17HX7	Nickel-63	13981-37-8	pCi/g	9/10/2003	9/10/2003	1	0	2.3
207-A-South	C4114	B17HY3	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	1	0	1,480
207-A-South	C4114	B17HY3	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	1	0	100
207-A-South	C4114	B17HY3	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	1	0	1,990
207-A-South	C4114	B17HY3	Plutonium-238	13981-16-3	pCi/g	9/10/2003	9/10/2003	1	0	0.047
207-A-South	C4114	B17HY3	Plutonium-239/240	PU-239/240	pCi/g	9/10/2003	9/10/2003	1	0	0.015
207-A-South	C4114	B17HY3	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Ruthenium-106	13967-48-1	pCi/g	9/10/2003	9/10/2003	1	0	0.090
207-A-South	C4114	B17HY3	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	1	0	2,960
207-A-South	C4114	B17HY3	Silver	7440-22-4	ug/kg	9/10/2003	9/10/2003	1	0	1,970
207-A-South	C4114	B17HX6	Strontium-90	10098-97-2	pCi/g	9/4/2003	9/4/2003	1	0	0.27
207-A-South	C4114	B17HX7	Strontium-90	10098-97-2	pCi/g	9/10/2003	9/10/2003	1	0	0.27
207-A-South	C4114	B17HY3	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	1	0	2.1
207-A-South	C4114	B17HX4	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/3/2003	1	0	0.56
207-A-South	C4114	B17HX5	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/3/2003	1	0	0.60
207-A-South	C4114	B17HX6	Technetium-99	14133-76-7	pCi/g	9/4/2003	9/4/2003	1	0	0.56
207-A-South	C4114	B17HX7	Technetium-99	14133-76-7	pCi/g	9/10/2003	9/10/2003	1	0	0.58
207-A-South	C4114	B17HY3	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	1	0	0.10
207-A-South	C4114	B17HY3	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	1	0	3,900
207-A-South	C4114	B17HY3	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	1	0	986
207-A-South	C4115	B17HX9	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	ug/kg	9/3/2003	9/3/2003	1	0	19
207-A-South	C4115	B17HY4	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	ug/kg	9/4/2003	9/4/2003	1	0	18
207-A-South	C4115	B17J02	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	ug/kg	9/3/2003	9/3/2003	1	0	18
207-A-South	C4115	B17HX9	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	9/3/2003	9/3/2003	1	0	37
207-A-South	C4115	B17HY4	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	9/4/2003	9/4/2003	1	0	35
207-A-South	C4115	B17HY9	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	1	0	150
207-A-South	C4115	B17HY9	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	1	0	68
207-A-South	C4115	B17HY9	Acetone	67-64-1	ug/kg	9/10/2003	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	1	0	258

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
207-A-South	C4115	B17HY9	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	1	0	4,900
207-A-South	C4115	B17HY9	Antimony-125	14234-35-6	pCi/g	9/10/2003	9/10/2003	1	0	0.037
207-A-South	C4115	B17HY9	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	1	0	49
207-A-South	C4115	B17HY9	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	1	0	2,940
207-A-South	C4115	B17HY9	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	1	0	2,940
207-A-South	C4115	B17HY9	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	1	0	570
207-A-South	C4115	B17HY9	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	1	0	5,000
207-A-South	C4115	B17HY9	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	1	0	5,100
207-A-South	C4115	B17HY9	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	1	0	68
207-A-South	C4115	B17HY9	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	1	0	979
207-A-South	C4115	B17HX9	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/3/2003	1	0	3.6
207-A-South	C4115	B17HY4	Carbon-14	14762-75-5	pCi/g	9/4/2003	9/4/2003	1	0	3.5
207-A-South	C4115	B17HY5	Carbon-14	14762-75-5	pCi/g	9/10/2003	9/10/2003	1	0	1.7
207-A-South	C4115	B17J02	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/3/2003	1	0	3.7
207-A-South	C4115	B17HY9	Cesium-134	13967-70-9	pCi/g	9/10/2003	9/10/2003	1	0	0.019
207-A-South	C4115	B17HY9	Cesium-137	10045-97-3	pCi/g	9/10/2003	9/10/2003	1	0	0.017
207-A-South	C4115	B17HY9	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	1	0	2,940
207-A-South	C4115	B17HY9	Cobalt-60	10198-40-0	pCi/g	9/10/2003	9/10/2003	1	0	0.021
207-A-South	C4115	B17HY9	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	1	0	200
207-A-South	C4115	B17HY9	Diethylphthalate	84-66-2	ug/kg	9/10/2003	9/10/2003	1	0	190
207-A-South	C4115	B17HY9	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	1	0	89
207-A-South	C4115	B17HY9	Europium-152	14683-23-9	pCi/g	9/10/2003	9/10/2003	1	0	0.037
207-A-South	C4115	B17HY9	Europium-154	15585-10-1	pCi/g	9/10/2003	9/10/2003	1	0	0.061
207-A-South	C4115	B17HY9	Europium-155	14391-16-3	pCi/g	9/10/2003	9/10/2003	1	0	0.046
207-A-South	C4115	B17HY9	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	1	0	350
207-A-South	C4115	B17HX9	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/3/2003	1	0	450
207-A-South	C4115	B17HY4	Hexavalent Chromium	18540-29-9	ug/kg	9/4/2003	9/4/2003	1	0	420
207-A-South	C4115	B17HY5	Hexavalent Chromium	18540-29-9	ug/kg	9/10/2003	9/10/2003	1	0	410
207-A-South	C4115	B17J02	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/3/2003	1	0	440
207-A-South	C4115	B17HY9	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	1	0	11,700
207-A-South	C4115	B17HY9	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	1	0	979
207-A-South	C4115	B17HY9	Methylene chloride	75-09-2	ug/kg	9/10/2003	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	1	0	4,900
207-A-South	C4115	B17HX8	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/3/2003	1	0	2.4
207-A-South	C4115	B17HX9	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/3/2003	1	0	2.8
207-A-South	C4115	B17HY4	Nickel-63	13981-37-8	pCi/g	9/4/2003	9/4/2003	1	0	2.5
207-A-South	C4115	B17HY5	Nickel-63	13981-37-8	pCi/g	9/10/2003	9/10/2003	1	0	2.6
207-A-South	C4115	B17HY9	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	1	0	1,480
207-A-South	C4115	B17HY9	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	1	0	68
207-A-South	C4115	B17HY9	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	1	0	100
207-A-South	C4115	B17HY9	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	1	0	1,990
207-A-South	C4115	B17HY9	Plutonium-238	13981-16-3	pCi/g	9/10/2003	9/10/2003	1	0	0.048
207-A-South	C4115	B17HY9	Plutonium-239/240	PU-239/240	pCi/g	9/10/2003	9/10/2003	1	0	0.014
207-A-South	C4115	B17HY9	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	1	0	68
207-A-South	C4115	B17HY9	Ruthenium-106	13967-48-1	pCi/g	9/10/2003	9/10/2003	1	0	0.14
207-A-South	C4115	B17HY9	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	1	0	2,940
207-A-South	C4115	B17HY9	Silver	7440-22-4	ug/kg	9/10/2003	9/10/2003	1	0	1,960
207-A-South	C4115	B17HY4	Strontium-90	10098-97-2	pCi/g	9/4/2003	9/4/2003	1	0	0.26
207-A-South	C4115	B17HY5	Strontium-90	10098-97-2	pCi/g	9/10/2003	9/10/2003	1	0	0.28
207-A-South	C4115	B17HY9	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	1	0	2.0
207-A-South	C4115	B17HX8	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/3/2003	1	0	0.57
207-A-South	C4115	B17HX9	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/3/2003	1	0	0.54
207-A-South	C4115	B17HY4	Technetium-99	14133-76-7	pCi/g	9/4/2003	9/4/2003	1	0	0.61

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
207-A-South	C4115	B17HY5	Technetium-99	14133-76-7	pCi/g	9/10/2003	9/10/2003	1	0	0.56
207-A-South	C4115	B17HY5	Thorium-230	14269-63-7	pCi/g	9/10/2003	9/10/2003	1	0	0.31
207-A-South	C4115	B17HY9	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	1	0	0.090
207-A-South	C4115	B17HY9	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	1	0	3,800
207-A-South	C4115	B17HY9	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	1	0	68
207-A-South	C4115	B17HX9	Tritium	10028-17-8	pCi/g	9/3/2003	9/3/2003	1	0	0.25
207-A-South	C4115	B17HY9	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	1	0	979
207-T	299-W11-39	B10F90	2-Butanone	78-93-3	ug/kg	11/30/2000	11/30/2000	1	0	11
207-T	299-W11-39	B10F91	2-Butanone	78-93-3	ug/kg	12/4/2000	12/4/2000	1	0	10
207-T	299-W11-39	B10F90	2-Chlorophenol	95-57-8	ug/kg	11/30/2000	11/30/2000	1	0	330
207-T	299-W11-39	B10F91	2-Chlorophenol	95-57-8	ug/kg	12/4/2000	12/4/2000	1	0	410
207-T	299-W11-39	B10F90	4-Chloro-3-methylphenol	59-50-7	ug/kg	11/30/2000	11/30/2000	1	0	330
207-T	299-W11-39	B10F91	4-Chloro-3-methylphenol	59-50-7	ug/kg	12/4/2000	12/4/2000	1	0	410
207-T	299-W11-39	B10F91	Acetone	67-64-1	ug/kg	12/4/2000	12/4/2000	1	0	10
207-T	299-W11-39	B10F76	Americium-241	14596-10-2	pCi/g	11/30/2000	11/30/2000	1	0	0.21
207-T	299-W11-39	B10F77	Americium-241	14596-10-2	pCi/g	11/30/2000	11/30/2000	1	0	0.20
207-T	299-W11-39	B10F78	Americium-241	14596-10-2	pCi/g	12/4/2000	12/4/2000	1	0	0.19
207-T	299-W11-39	B10F79	Americium-241	14596-10-2	pCi/g	12/4/2000	12/4/2000	1	0	0.20
207-T	299-W11-39	B10F90	Butylbenzylphthalate	85-68-7	ug/kg	11/30/2000	11/30/2000	1	0	330
207-T	299-W11-39	B10F91	Butylbenzylphthalate	85-68-7	ug/kg	12/4/2000	12/4/2000	1	0	410
207-T	299-W11-39	B10F90	Cadmium	7440-43-9	ug/kg	11/30/2000	11/30/2000	1	0	30
207-T	299-W11-39	B10F91	Cadmium	7440-43-9	ug/kg	12/4/2000	12/4/2000	1	0	30
207-T	299-W11-39	B10F77	Cesium-137	10045-97-3	pCi/g	11/30/2000	11/30/2000	1	0	0.029
207-T	299-W11-39	B10F78	Cesium-137	10045-97-3	pCi/g	12/4/2000	12/4/2000	1	0	0.026
207-T	299-W11-39	B10F79	Cesium-137	10045-97-3	pCi/g	12/4/2000	12/4/2000	1	0	0.026
207-T	299-W11-39	B10F90	Chloroform	67-66-3	ug/kg	11/30/2000	11/30/2000	1	0	6.0
207-T	299-W11-39	B10F91	Chloroform	67-66-3	ug/kg	12/4/2000	12/4/2000	1	0	5.0
207-T	299-W11-39	B10F76	Cobalt-60	10198-40-0	pCi/g	11/30/2000	11/30/2000	1	0	0.047
207-T	299-W11-39	B10F77	Cobalt-60	10198-40-0	pCi/g	11/30/2000	11/30/2000	1	0	0.031
207-T	299-W11-39	B10F78	Cobalt-60	10198-40-0	pCi/g	12/4/2000	12/4/2000	1	0	0.026
207-T	299-W11-39	B10F79	Cobalt-60	10198-40-0	pCi/g	12/4/2000	12/4/2000	1	0	0.030
207-T	299-W11-39	B10F90	Cyanide	57-12-5	ug/kg	11/30/2000	11/30/2000	1	0	501
207-T	299-W11-39	B10F91	Cyanide	57-12-5	ug/kg	12/4/2000	12/4/2000	1	0	600
207-T	299-W11-39	B10F90	Diethylphthalate	84-66-2	ug/kg	11/30/2000	11/30/2000	1	0	330
207-T	299-W11-39	B10F91	Diethylphthalate	84-66-2	ug/kg	12/4/2000	12/4/2000	1	0	410
207-T	299-W11-39	B10F90	Di-n-butylphthalate	84-74-2	ug/kg	11/30/2000	11/30/2000	1	0	330
207-T	299-W11-39	B10F91	Di-n-butylphthalate	84-74-2	ug/kg	12/4/2000	12/4/2000	1	0	410
207-T	299-W11-39	B10F76	Europium-152	14683-23-9	pCi/g	11/30/2000	11/30/2000	1	0	0.096
207-T	299-W11-39	B10F77	Europium-152	14683-23-9	pCi/g	11/30/2000	11/30/2000	1	0	0.066
207-T	299-W11-39	B10F78	Europium-152	14683-23-9	pCi/g	12/4/2000	12/4/2000	1	0	0.061
207-T	299-W11-39	B10F79	Europium-152	14683-23-9	pCi/g	12/4/2000	12/4/2000	1	0	0.061
207-T	299-W11-39	B10F76	Europium-154	15585-10-1	pCi/g	11/30/2000	11/30/2000	1	0	0.13
207-T	299-W11-39	B10F77	Europium-154	15585-10-1	pCi/g	11/30/2000	11/30/2000	1	0	0.11
207-T	299-W11-39	B10F78	Europium-154	15585-10-1	pCi/g	12/4/2000	12/4/2000	1	0	0.094
207-T	299-W11-39	B10F79	Europium-154	15585-10-1	pCi/g	12/4/2000	12/4/2000	1	0	0.095
207-T	299-W11-39	B10F76	Europium-155	14391-16-3	pCi/g	11/30/2000	11/30/2000	1	0	0.098
207-T	299-W11-39	B10F77	Europium-155	14391-16-3	pCi/g	11/30/2000	11/30/2000	1	0	0.094
207-T	299-W11-39	B10F78	Europium-155	14391-16-3	pCi/g	12/4/2000	12/4/2000	1	0	0.076
207-T	299-W11-39	B10F79	Europium-155	14391-16-3	pCi/g	12/4/2000	12/4/2000	1	0	0.075
207-T	299-W11-39	B10F90	Mercury	7439-97-6	ug/kg	11/30/2000	11/30/2000	1	0	20
207-T	299-W11-39	B10F91	Mercury	7439-97-6	ug/kg	12/4/2000	12/4/2000	1	0	20
207-T	299-W11-39	B10F91	Nitrate	14797-55-8	ug/kg	12/4/2000	12/4/2000	1	0	1,600

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
207-T	299-W11-39	B10F90	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	11/30/2000	11/30/2000	1	0	330
207-T	299-W11-39	B10F91	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	12/4/2000	12/4/2000	1	0	410
207-T	299-W11-39	B10F91	Phenol	108-95-2	ug/kg	12/4/2000	12/4/2000	1	0	410
207-T	299-W11-39	B10F76	Plutonium-238	13981-16-3	pCi/g	11/30/2000	11/30/2000	1	0	0.38
207-T	299-W11-39	B10F77	Plutonium-238	13981-16-3	pCi/g	11/30/2000	11/30/2000	1	0	0.26
207-T	299-W11-39	B10F78	Plutonium-238	13981-16-3	pCi/g	12/4/2000	12/4/2000	1	0	0.22
207-T	299-W11-39	B10F79	Plutonium-238	13981-16-3	pCi/g	12/4/2000	12/4/2000	1	0	0.29
207-T	299-W11-39	B10F76	Plutonium-239/240	PU-239/240	pCi/g	11/30/2000	11/30/2000	1	0	0.38
207-T	299-W11-39	B10F77	Plutonium-239/240	PU-239/240	pCi/g	11/30/2000	11/30/2000	1	0	0.26
207-T	299-W11-39	B10F78	Plutonium-239/240	PU-239/240	pCi/g	12/4/2000	12/4/2000	1	0	0.22
207-T	299-W11-39	B10F79	Plutonium-239/240	PU-239/240	pCi/g	12/4/2000	12/4/2000	1	0	0.29
207-T	299-W11-39	B10F90	Pyrene	129-00-0	ug/kg	11/30/2000	11/30/2000	1	0	330
207-T	299-W11-39	B10F91	Pyrene	129-00-0	ug/kg	12/4/2000	12/4/2000	1	0	410
207-T	299-W11-39	B10F90	Selenium	7782-49-2	ug/kg	11/30/2000	11/30/2000	1	0	330
207-T	299-W11-39	B10F91	Selenium	7782-49-2	ug/kg	12/4/2000	12/4/2000	1	0	370
207-T	299-W11-39	B10F90	Silver	7440-22-4	ug/kg	11/30/2000	11/30/2000	1	0	110
207-T	299-W11-39	B10F91	Silver	7440-22-4	ug/kg	12/4/2000	12/4/2000	1	0	120
207-T	299-W11-39	B10F76	Strontium-90	10098-97-2	pCi/g	11/30/2000	11/30/2000	1	0	0.17
207-T	299-W11-39	B10F77	Strontium-90	10098-97-2	pCi/g	11/30/2000	11/30/2000	1	0	0.19
207-T	299-W11-39	B10F78	Strontium-90	10098-97-2	pCi/g	12/4/2000	12/4/2000	1	0	0.24
207-T	299-W11-39	B10F79	Strontium-90	10098-97-2	pCi/g	12/4/2000	12/4/2000	1	0	0.24
207-T	299-W11-39	B10F90	Styrene	100-42-5	ug/kg	11/30/2000	11/30/2000	1	0	6.0
207-T	299-W11-39	B10F91	Styrene	100-42-5	ug/kg	12/4/2000	12/4/2000	1	0	5.0
207-T	299-W11-39	B10F90	Sulfide	18496-25-8	ug/kg	11/30/2000	11/30/2000	1	0	38,900
207-T	299-W11-39	B10F91	Sulfide	18496-25-8	ug/kg	12/4/2000	12/4/2000	1	0	46,800
207-T	299-W11-39	B10F76	Technetium-99	14133-76-7	pCi/g	11/30/2000	11/30/2000	1	0	0.54
207-T	299-W11-39	B10F77	Technetium-99	14133-76-7	pCi/g	11/30/2000	11/30/2000	1	0	0.50
207-T	299-W11-39	B10F78	Technetium-99	14133-76-7	pCi/g	12/4/2000	12/4/2000	1	0	0.59
207-T	299-W11-39	B10F79	Technetium-99	14133-76-7	pCi/g	12/4/2000	12/4/2000	1	0	0.90
207-T	299-W11-39	B10F77	Thorium-228	14274-82-9	pCi/g	11/30/2000	11/30/2000	1	0	0.34
207-T	299-W11-39	B10F78	Thorium-230	14269-63-7	pCi/g	12/4/2000	12/4/2000	1	0	0.37
207-T	299-W11-39	B10F76	Thorium-232	TH-232	pCi/g	11/30/2000	11/30/2000	1	0	0.35
207-T	299-W11-39	B10F90	Toluene	108-88-3	ug/kg	11/30/2000	11/30/2000	1	0	6.0
207-T	299-W11-39	B10F91	Toluene	108-88-3	ug/kg	12/4/2000	12/4/2000	1	0	5.0
207-T	299-W11-39	B10F76	Tritium	10028-17-8	pCi/g	11/30/2000	11/30/2000	1	0	0.093
207-T	299-W11-39	B10F77	Tritium	10028-17-8	pCi/g	11/30/2000	11/30/2000	1	0	0.090
207-T	299-W11-39	B10F78	Tritium	10028-17-8	pCi/g	12/4/2000	12/4/2000	1	0	0.13
207-T	299-W11-40	B105W3	2-Butanone	78-93-3	ug/kg	9/27/2000	9/27/2000	1	0	11
207-T	299-W11-40	B105W4	2-Butanone	78-93-3	ug/kg	9/29/2000	9/29/2000	1	0	12
207-T	299-W11-40	B105W3	2-Chlorophenol	95-57-8	ug/kg	9/27/2000	9/27/2000	1	0	360
207-T	299-W11-40	B105W4	2-Chlorophenol	95-57-8	ug/kg	9/29/2000	9/29/2000	1	0	340
207-T	299-W11-40	B105W3	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/27/2000	9/27/2000	1	0	360
207-T	299-W11-40	B105W4	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/29/2000	9/29/2000	1	0	340
207-T	299-W11-40	B105W3	Acetone	67-64-1	ug/kg	9/27/2000	9/27/2000	1	0	11
207-T	299-W11-40	B105W4	Acetone	67-64-1	ug/kg	9/29/2000	9/29/2000	1	0	12
207-T	299-W11-40	B105V3	Americium-241	14596-10-2	pCi/g	9/27/2000	9/27/2000	1	0	0.054
207-T	299-W11-40	B105V4	Americium-241	14596-10-2	pCi/g	9/27/2000	9/27/2000	1	0	0.035
207-T	299-W11-40	B105V5	Americium-241	14596-10-2	pCi/g	9/29/2000	9/29/2000	1	0	0.095
207-T	299-W11-40	B105V6	Americium-241	14596-10-2	pCi/g	9/29/2000	9/29/2000	1	0	0.14
207-T	299-W11-40	B105W3	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/27/2000	9/27/2000	1	0	360
207-T	299-W11-40	B105W4	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/29/2000	9/29/2000	1	0	340
207-T	299-W11-40	B105W3	Butylbenzylphthalate	85-68-7	ug/kg	9/27/2000	9/27/2000	1	0	360
207-T	299-W11-40	B105W4	Butylbenzylphthalate	85-68-7	ug/kg	9/29/2000	9/29/2000	1	0	340
207-T	299-W11-40	B105W3	Cadmium	7440-43-9	ug/kg	9/27/2000	9/27/2000	1	0	30

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
207-T	299-W11-40	B105W4	Cadmium	7440-43-9	ug/kg	9/29/2000	9/29/2000	1	0	30
207-T	299-W11-40	B105V3	Cesium-137	10045-97-3	pCi/g	9/27/2000	9/27/2000	1	0	0.050
207-T	299-W11-40	B105V4	Cesium-137	10045-97-3	pCi/g	9/27/2000	9/27/2000	1	0	0.095
207-T	299-W11-40	B105V5	Cesium-137	10045-97-3	pCi/g	9/29/2000	9/29/2000	1	0	0.072
207-T	299-W11-40	B105V6	Cesium-137	10045-97-3	pCi/g	9/29/2000	9/29/2000	1	0	0.045
207-T	299-W11-40	B105W3	Chloroform	67-66-3	ug/kg	9/27/2000	9/27/2000	1	0	6.0
207-T	299-W11-40	B105W4	Chloroform	67-66-3	ug/kg	9/29/2000	9/29/2000	1	0	6.0
207-T	299-W11-40	B105V3	Cobalt-60	10198-40-0	pCi/g	9/27/2000	9/27/2000	1	0	0.054
207-T	299-W11-40	B105V4	Cobalt-60	10198-40-0	pCi/g	9/27/2000	9/27/2000	1	0	0.095
207-T	299-W11-40	B105V5	Cobalt-60	10198-40-0	pCi/g	9/29/2000	9/29/2000	1	0	0.11
207-T	299-W11-40	B105V6	Cobalt-60	10198-40-0	pCi/g	9/29/2000	9/29/2000	1	0	0.053
207-T	299-W11-40	B105W3	Cyanide	57-12-5	ug/kg	9/27/2000	9/27/2000	1	0	540
207-T	299-W11-40	B105W4	Cyanide	57-12-5	ug/kg	9/29/2000	9/29/2000	1	0	500
207-T	299-W11-40	B105W3	Diethylphthalate	84-66-2	ug/kg	9/27/2000	9/27/2000	1	0	360
207-T	299-W11-40	B105W4	Diethylphthalate	84-66-2	ug/kg	9/29/2000	9/29/2000	1	0	340
207-T	299-W11-40	B105W3	Di-n-butylphthalate	84-74-2	ug/kg	9/27/2000	9/27/2000	1	0	360
207-T	299-W11-40	B105W4	Di-n-butylphthalate	84-74-2	ug/kg	9/29/2000	9/29/2000	1	0	340
207-T	299-W11-40	B105V3	Europium-152	14683-23-9	pCi/g	9/27/2000	9/27/2000	1	0	0.10
207-T	299-W11-40	B105V4	Europium-152	14683-23-9	pCi/g	9/27/2000	9/27/2000	1	0	0.21
207-T	299-W11-40	B105V5	Europium-152	14683-23-9	pCi/g	9/29/2000	9/29/2000	1	0	0.19
207-T	299-W11-40	B105V6	Europium-152	14683-23-9	pCi/g	9/29/2000	9/29/2000	1	0	0.10
207-T	299-W11-40	B105V3	Europium-154	15585-10-1	pCi/g	9/27/2000	9/27/2000	1	0	0.15
207-T	299-W11-40	B105V4	Europium-154	15585-10-1	pCi/g	9/27/2000	9/27/2000	1	0	0.28
207-T	299-W11-40	B105V5	Europium-154	15585-10-1	pCi/g	9/29/2000	9/29/2000	1	0	0.29
207-T	299-W11-40	B105V6	Europium-154	15585-10-1	pCi/g	9/29/2000	9/29/2000	1	0	0.16
207-T	299-W11-40	B105V3	Europium-155	14391-16-3	pCi/g	9/27/2000	9/27/2000	1	0	0.15
207-T	299-W11-40	B105V4	Europium-155	14391-16-3	pCi/g	9/27/2000	9/27/2000	1	0	0.20
207-T	299-W11-40	B105V5	Europium-155	14391-16-3	pCi/g	9/29/2000	9/29/2000	1	0	0.13
207-T	299-W11-40	B105V6	Europium-155	14391-16-3	pCi/g	9/29/2000	9/29/2000	1	0	0.12
207-T	299-W11-40	B105W3	Mercury	7439-97-6	ug/kg	9/27/2000	9/27/2000	1	0	20
207-T	299-W11-40	B105W4	Mercury	7439-97-6	ug/kg	9/29/2000	9/29/2000	1	0	20
207-T	299-W11-40	B105W3	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/27/2000	9/27/2000	1	0	360
207-T	299-W11-40	B105W4	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/29/2000	9/29/2000	1	0	340
207-T	299-W11-40	B105W3	Phenol	108-95-2	ug/kg	9/27/2000	9/27/2000	1	0	360
207-T	299-W11-40	B105W4	Phenol	108-95-2	ug/kg	9/29/2000	9/29/2000	1	0	340
207-T	299-W11-40	B105V3	Plutonium-238	13981-16-3	pCi/g	9/27/2000	9/27/2000	1	0	0.028
207-T	299-W11-40	B105V4	Plutonium-238	13981-16-3	pCi/g	9/27/2000	9/27/2000	1	0	0.12
207-T	299-W11-40	B105V5	Plutonium-238	13981-16-3	pCi/g	9/29/2000	9/29/2000	1	0	0.038
207-T	299-W11-40	B105V6	Plutonium-238	13981-16-3	pCi/g	9/29/2000	9/29/2000	1	0	0.091
207-T	299-W11-40	B105V3	Plutonium-239/240	PU-239/240	pCi/g	9/27/2000	9/27/2000	1	0	0.028
207-T	299-W11-40	B105V4	Plutonium-239/240	PU-239/240	pCi/g	9/27/2000	9/27/2000	1	0	0.092
207-T	299-W11-40	B105V5	Plutonium-239/240	PU-239/240	pCi/g	9/29/2000	9/29/2000	1	0	0.037
207-T	299-W11-40	B105V6	Plutonium-239/240	PU-239/240	pCi/g	9/29/2000	9/29/2000	1	0	0.091
207-T	299-W11-40	B105W3	Pyrene	129-00-0	ug/kg	9/27/2000	9/27/2000	1	0	360
207-T	299-W11-40	B105W4	Pyrene	129-00-0	ug/kg	9/29/2000	9/29/2000	1	0	340
207-T	299-W11-40	B105W3	Selenium	7782-49-2	ug/kg	9/27/2000	9/27/2000	1	0	440
207-T	299-W11-40	B105W4	Selenium	7782-49-2	ug/kg	9/29/2000	9/29/2000	1	0	380
207-T	299-W11-40	B105W3	Silver	7440-22-4	ug/kg	9/27/2000	9/27/2000	1	0	110
207-T	299-W11-40	B105W4	Silver	7440-22-4	ug/kg	9/29/2000	9/29/2000	1	0	100
207-T	299-W11-40	B105V3	Strontium-90	10098-97-2	pCi/g	9/27/2000	9/27/2000	1	0	0.17
207-T	299-W11-40	B105V4	Strontium-90	10098-97-2	pCi/g	9/27/2000	9/27/2000	1	0	0.20
207-T	299-W11-40	B105V5	Strontium-90	10098-97-2	pCi/g	9/29/2000	9/29/2000	1	0	0.20
207-T	299-W11-40	B105V6	Strontium-90	10098-97-2	pCi/g	9/29/2000	9/29/2000	1	0	0.20
207-T	299-W11-40	B105W3	Styrene	100-42-5	ug/kg	9/27/2000	9/27/2000	1	0	6.0

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
207-T	299-W11-40	B105W4	Styrene	100-42-5	ug/kg	9/29/2000	9/29/2000	1	0	6.0
207-T	299-W11-40	B105W3	Sulfide	18496-25-8	ug/kg	9/27/2000	9/27/2000	1	0	40,300
207-T	299-W11-40	B105W4	Sulfide	18496-25-8	ug/kg	9/29/2000	9/29/2000	1	0	39,900
207-T	299-W11-40	B105V4	Technetium-99	14133-76-7	pCi/g	9/27/2000	9/27/2000	1	0	0.75
207-T	299-W11-40	B105V5	Technetium-99	14133-76-7	pCi/g	9/29/2000	9/29/2000	1	0	0.60
207-T	299-W11-40	B105V6	Technetium-99	14133-76-7	pCi/g	9/29/2000	9/29/2000	1	0	0.87
207-T	299-W11-40	B105W3	Toluene	108-88-3	ug/kg	9/27/2000	9/27/2000	1	0	6.0
207-T	299-W11-40	B105W4	Toluene	108-88-3	ug/kg	9/29/2000	9/29/2000	1	0	6.0
207-T	299-W11-40	B105V3	Tritium	10028-17-8	pCi/g	9/27/2000	9/27/2000	1	0	0.083
207-T	299-W11-40	B105V4	Tritium	10028-17-8	pCi/g	9/27/2000	9/27/2000	1	0	0.081
207-T/200-W-53	299-W11-41	B0YVX8	2-Butanone	78-93-3	ug/kg	8/7/2000	8/7/2000	1	0	11
207-T/200-W-53	299-W11-41	B0YVY1	2-Butanone	78-93-3	ug/kg	8/11/2000	8/11/2000	1	0	11
207-T/200-W-53	299-W11-41	B10Y95	2-Butanone	78-93-3	ug/kg	11/20/2000	11/20/2000	1	0	11
207-T/200-W-53	299-W11-41	B10Y96	2-Butanone	78-93-3	ug/kg	11/20/2000	11/20/2000	1	0	12
207-T/200-W-53	299-W11-41	B0YVX8	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVY1	2-Chlorophenol	95-57-8	ug/kg	8/11/2000	8/11/2000	1	0	390
207-T/200-W-53	299-W11-41	B10Y95	2-Chlorophenol	95-57-8	ug/kg	11/20/2000	11/20/2000	1	0	360
207-T/200-W-53	299-W11-41	B10Y96	2-Chlorophenol	95-57-8	ug/kg	11/20/2000	11/20/2000	1	0	370
207-T/200-W-53	299-W11-41	B0YVX8	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVY1	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/11/2000	8/11/2000	1	0	390
207-T/200-W-53	299-W11-41	B10Y95	4-Chloro-3-methylphenol	59-50-7	ug/kg	11/20/2000	11/20/2000	1	0	360
207-T/200-W-53	299-W11-41	B10Y96	4-Chloro-3-methylphenol	59-50-7	ug/kg	11/20/2000	11/20/2000	1	0	370
207-T/200-W-53	299-W11-41	B0YVX8	Acetone	67-64-1	ug/kg	8/7/2000	8/7/2000	1	0	11
207-T/200-W-53	299-W11-41	B10Y95	Acetone	67-64-1	ug/kg	11/20/2000	11/20/2000	1	0	11
207-T/200-W-53	299-W11-41	B10Y96	Acetone	67-64-1	ug/kg	11/20/2000	11/20/2000	1	0	12
207-T/200-W-53	299-W11-41	B0YVX6	Americium-241	14596-10-2	pCi/g	8/7/2000	8/7/2000	1	0	0.050
207-T/200-W-53	299-W11-41	B0YVX7	Americium-241	14596-10-2	pCi/g	8/7/2000	8/7/2000	1	0	0.16
207-T/200-W-53	299-W11-41	B0YVX9	Americium-241	14596-10-2	pCi/g	8/11/2000	8/11/2000	1	0	0.048
207-T/200-W-53	299-W11-41	B0YVY0	Americium-241	14596-10-2	pCi/g	8/11/2000	8/11/2000	1	0	0.056
207-T/200-W-53	299-W11-41	B0YVX8	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVY1	Butylbenzylphthalate	85-68-7	ug/kg	8/11/2000	8/11/2000	1	0	390
207-T/200-W-53	299-W11-41	B10Y95	Butylbenzylphthalate	85-68-7	ug/kg	11/20/2000	11/20/2000	1	0	360
207-T/200-W-53	299-W11-41	B10Y96	Butylbenzylphthalate	85-68-7	ug/kg	11/20/2000	11/20/2000	1	0	370
207-T/200-W-53	299-W11-41	B0YVX8	Cadmium	7440-43-9	ug/kg	8/7/2000	8/7/2000	1	0	30
207-T/200-W-53	299-W11-41	B0YVY1	Cadmium	7440-43-9	ug/kg	8/11/2000	8/11/2000	1	0	30
207-T/200-W-53	299-W11-41	B0YVX7	Cesium-137	10045-97-3	pCi/g	8/7/2000	8/7/2000	1	0	0.049
207-T/200-W-53	299-W11-41	B0YVX9	Cesium-137	10045-97-3	pCi/g	8/11/2000	8/11/2000	1	0	0.051
207-T/200-W-53	299-W11-41	B0YVY0	Cesium-137	10045-97-3	pCi/g	8/11/2000	8/11/2000	1	0	0.095
207-T/200-W-53	299-W11-41	B0YVX8	Chloroform	67-66-3	ug/kg	8/7/2000	8/7/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B10Y95	Chloroform	67-66-3	ug/kg	11/20/2000	11/20/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B10Y96	Chloroform	67-66-3	ug/kg	11/20/2000	11/20/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B0YVX6	Cobalt-60	10198-40-0	pCi/g	8/7/2000	8/7/2000	1	0	0.12
207-T/200-W-53	299-W11-41	B0YVX7	Cobalt-60	10198-40-0	pCi/g	8/7/2000	8/7/2000	1	0	0.047
207-T/200-W-53	299-W11-41	B0YVX9	Cobalt-60	10198-40-0	pCi/g	8/11/2000	8/11/2000	1	0	0.057
207-T/200-W-53	299-W11-41	B0YVY0	Cobalt-60	10198-40-0	pCi/g	8/11/2000	8/11/2000	1	0	0.14
207-T/200-W-53	299-W11-41	B0YVX8	Cyanide	57-12-5	ug/kg	8/7/2000	8/7/2000	1	0	490
207-T/200-W-53	299-W11-41	B0YVY1	Cyanide	57-12-5	ug/kg	8/11/2000	8/11/2000	1	0	530
207-T/200-W-53	299-W11-41	B0YVX8	Diethylphthalate	84-66-2	ug/kg	8/7/2000	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVY1	Diethylphthalate	84-66-2	ug/kg	8/11/2000	8/11/2000	1	0	390
207-T/200-W-53	299-W11-41	B10Y95	Diethylphthalate	84-66-2	ug/kg	11/20/2000	11/20/2000	1	0	360
207-T/200-W-53	299-W11-41	B10Y96	Diethylphthalate	84-66-2	ug/kg	11/20/2000	11/20/2000	1	0	370
207-T/200-W-53	299-W11-41	B0YVX8	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVY1	Di-n-butylphthalate	84-74-2	ug/kg	8/11/2000	8/11/2000	1	0	390
207-T/200-W-53	299-W11-41	B10Y95	Di-n-butylphthalate	84-74-2	ug/kg	11/20/2000	11/20/2000	1	0	360

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
207-T/200-W-53	299-W11-41	B10Y96	Di-n-butylphthalate	84-74-2	ug/kg	11/20/2000	11/20/2000	1	0	370
207-T/200-W-53	299-W11-41	B0YVX6	Europium-152	14683-23-9	pCi/g	8/7/2000	8/7/2000	1	0	0.26
207-T/200-W-53	299-W11-41	B0YVX7	Europium-152	14683-23-9	pCi/g	8/7/2000	8/7/2000	1	0	0.12
207-T/200-W-53	299-W11-41	B0YVX9	Europium-152	14683-23-9	pCi/g	8/11/2000	8/11/2000	1	0	0.12
207-T/200-W-53	299-W11-41	B0YVY0	Europium-152	14683-23-9	pCi/g	8/11/2000	8/11/2000	1	0	0.24
207-T/200-W-53	299-W11-41	B0YVX6	Europium-154	15585-10-1	pCi/g	8/7/2000	8/7/2000	1	0	0.38
207-T/200-W-53	299-W11-41	B0YVX7	Europium-154	15585-10-1	pCi/g	8/7/2000	8/7/2000	1	0	0.17
207-T/200-W-53	299-W11-41	B0YVX9	Europium-154	15585-10-1	pCi/g	8/11/2000	8/11/2000	1	0	0.17
207-T/200-W-53	299-W11-41	B0YVY0	Europium-154	15585-10-1	pCi/g	8/11/2000	8/11/2000	1	0	0.34
207-T/200-W-53	299-W11-41	B0YVX6	Europium-155	14391-16-3	pCi/g	8/7/2000	8/7/2000	1	0	0.23
207-T/200-W-53	299-W11-41	B0YVX7	Europium-155	14391-16-3	pCi/g	8/7/2000	8/7/2000	1	0	0.11
207-T/200-W-53	299-W11-41	B0YVX9	Europium-155	14391-16-3	pCi/g	8/11/2000	8/11/2000	1	0	0.12
207-T/200-W-53	299-W11-41	B0YVY0	Europium-155	14391-16-3	pCi/g	8/11/2000	8/11/2000	1	0	0.22
207-T/200-W-53	299-W11-41	B0YVX8	Mercury	7439-97-6	ug/kg	8/7/2000	8/7/2000	1	0	20
207-T/200-W-53	299-W11-41	B0YVY1	Mercury	7439-97-6	ug/kg	8/11/2000	8/11/2000	1	0	20
207-T/200-W-53	299-W11-41	B0YVX8	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVY1	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/11/2000	8/11/2000	1	0	390
207-T/200-W-53	299-W11-41	B10Y95	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	11/20/2000	11/20/2000	1	0	360
207-T/200-W-53	299-W11-41	B10Y96	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	11/20/2000	11/20/2000	1	0	370
207-T/200-W-53	299-W11-41	B0YVX8	Phenol	108-95-2	ug/kg	8/7/2000	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVY1	Phenol	108-95-2	ug/kg	8/11/2000	8/11/2000	1	0	390
207-T/200-W-53	299-W11-41	B10Y95	Phenol	108-95-2	ug/kg	11/20/2000	11/20/2000	1	0	360
207-T/200-W-53	299-W11-41	B10Y96	Phenol	108-95-2	ug/kg	11/20/2000	11/20/2000	1	0	370
207-T/200-W-53	299-W11-41	B0YVX6	Plutonium-238	13981-16-3	pCi/g	8/7/2000	8/7/2000	1	0	0.063
207-T/200-W-53	299-W11-41	B0YVX7	Plutonium-238	13981-16-3	pCi/g	8/7/2000	8/7/2000	1	0	0.068
207-T/200-W-53	299-W11-41	B0YVX9	Plutonium-238	13981-16-3	pCi/g	8/11/2000	8/11/2000	1	0	0.046
207-T/200-W-53	299-W11-41	B0YVY0	Plutonium-238	13981-16-3	pCi/g	8/11/2000	8/11/2000	1	0	0.066
207-T/200-W-53	299-W11-41	B0YVX6	Plutonium-239/240	PU-239/240	pCi/g	8/7/2000	8/7/2000	1	0	0.049
207-T/200-W-53	299-W11-41	B0YVX7	Plutonium-239/240	PU-239/240	pCi/g	8/7/2000	8/7/2000	1	0	0.068
207-T/200-W-53	299-W11-41	B0YVX9	Plutonium-239/240	PU-239/240	pCi/g	8/11/2000	8/11/2000	1	0	0.051
207-T/200-W-53	299-W11-41	B0YVY0	Plutonium-239/240	PU-239/240	pCi/g	8/11/2000	8/11/2000	1	0	0.030
207-T/200-W-53	299-W11-41	B0YVX8	Pyrene	129-00-0	ug/kg	8/7/2000	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVY1	Pyrene	129-00-0	ug/kg	8/11/2000	8/11/2000	1	0	390
207-T/200-W-53	299-W11-41	B10Y95	Pyrene	129-00-0	ug/kg	11/20/2000	11/20/2000	1	0	360
207-T/200-W-53	299-W11-41	B10Y96	Pyrene	129-00-0	ug/kg	11/20/2000	11/20/2000	1	0	370
207-T/200-W-53	299-W11-41	B0YVX8	Selenium	7782-49-2	ug/kg	8/7/2000	8/7/2000	1	0	400
207-T/200-W-53	299-W11-41	B0YVX8	Silver	7440-22-4	ug/kg	8/7/2000	8/7/2000	1	0	100
207-T/200-W-53	299-W11-41	B0YVY1	Silver	7440-22-4	ug/kg	8/11/2000	8/11/2000	1	0	110
207-T/200-W-53	299-W11-41	B0YVX6	Strontium-90	10098-97-2	pCi/g	8/7/2000	8/7/2000	1	0	0.16
207-T/200-W-53	299-W11-41	B0YVX7	Strontium-90	10098-97-2	pCi/g	8/7/2000	8/7/2000	1	0	0.16
207-T/200-W-53	299-W11-41	B0YVX9	Strontium-90	10098-97-2	pCi/g	8/11/2000	8/11/2000	1	0	0.17
207-T/200-W-53	299-W11-41	B0YVY0	Strontium-90	10098-97-2	pCi/g	8/11/2000	8/11/2000	1	0	0.16
207-T/200-W-53	299-W11-41	B0YVX8	Styrene	100-42-5	ug/kg	8/7/2000	8/7/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B0YVY1	Styrene	100-42-5	ug/kg	8/11/2000	8/11/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B10Y95	Styrene	100-42-5	ug/kg	11/20/2000	11/20/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B10Y96	Styrene	100-42-5	ug/kg	11/20/2000	11/20/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B0YVX8	Sulfide	18496-25-8	ug/kg	8/7/2000	8/7/2000	1	0	37,700
207-T/200-W-53	299-W11-41	B0YVY1	Sulfide	18496-25-8	ug/kg	8/11/2000	8/11/2000	1	0	44,100
207-T/200-W-53	299-W11-41	B0YVY0	Thorium-228	14274-82-9	pCi/g	8/11/2000	8/11/2000	1	0	0.49
207-T/200-W-53	299-W11-41	B0YVX8	Toluene	108-88-3	ug/kg	8/7/2000	8/7/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B0YVY1	Toluene	108-88-3	ug/kg	8/11/2000	8/11/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B10Y95	Toluene	108-88-3	ug/kg	11/20/2000	11/20/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B10Y96	Toluene	108-88-3	ug/kg	11/20/2000	11/20/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B0YVX6	Tritium	10028-17-8	pCi/g	8/7/2000	8/7/2000	1	0	0.091

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
207-T/200-W-53	299-W11-41	B0YVX7	Tritium	10028-17-8	pCi/g	8/7/2000	8/7/2000	1	0	0.092
207-T/200-W-53	299-W11-41	B0YVX6	Uranium-235	15117-96-1	pCi/g	8/7/2000	8/7/2000	1	0	0.12
207-T/200-W-53	299-W11-41	B0YVX7	Uranium-235	15117-96-1	pCi/g	8/7/2000	8/7/2000	1	0	0.20
207-T/200-W-53	299-W11-41	B0YVX9	Uranium-235	15117-96-1	pCi/g	8/11/2000	8/11/2000	1	0	0.12
207-T/200-W-53	299-W11-41	B0YVY0	Uranium-235	15117-96-1	pCi/g	8/11/2000	8/11/2000	1	0	0.14
207-T/200-W-53	D018	S976724	Antimony-125	14234-35-6	pCi/g	6/9/2016	6/9/2016	1	0	0.12
207-T/200-W-53	D018	S976724	Cesium-134	13967-70-9	pCi/g	6/9/2016	6/9/2016	1	0	0.052
207-T/200-W-53	D018	S976724	Cobalt-60	10198-40-0	pCi/g	6/9/2016	6/9/2016	1	0	0.043
207-T/200-W-53	D018	S976724	Europium-152	14683-23-9	pCi/g	6/9/2016	6/9/2016	1	0	0.12
207-T/200-W-53	D018	S976724	Europium-154	15585-10-1	pCi/g	6/9/2016	6/9/2016	1	0	0.12
207-T/200-W-53	D018	S976724	Europium-155	14391-16-3	pCi/g	6/9/2016	6/9/2016	1	0	0.14
207-T/200-W-53	D018	S976724	Ruthenium-106	13967-48-1	pCi/g	6/9/2016	6/9/2016	1	0	0.38
207-T/200-W-53	D018	S976724	Uranium-235	15117-96-1	pCi/g	6/9/2016	6/9/2016	1	0	0.046
216-A-34	C3245	B16RW4	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	ug/kg	4/4/2003	4/4/2003	1	0	17
216-A-34	C3245	B16RW4	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	4/4/2003	1	0	34
216-A-34	C3245	B16RX7	2-Butanone	78-93-3	ug/kg	4/4/2003	4/4/2003	1	0	2.0
216-A-34	C3245	B16RX6	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	150
216-A-34	C3245	B16RX7	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	150
216-A-34	C3245	B16RX9	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	150
216-A-34	C3245	B16RY0	2-Chlorophenol	95-57-8	ug/kg	4/7/2003	4/7/2003	1	0	150
216-A-34	C3245	B16RY1	2-Chlorophenol	95-57-8	ug/kg	4/7/2003	4/7/2003	1	0	150
216-A-34	C3245	B16RY2	2-Chlorophenol	95-57-8	ug/kg	4/7/2003	4/7/2003	1	0	150
216-A-34	C3245	B16RY3	2-Chlorophenol	95-57-8	ug/kg	4/9/2003	4/9/2003	1	0	150
216-A-34	C3245	B16RY4	2-Chlorophenol	95-57-8	ug/kg	4/16/2003	4/16/2003	1	0	150
216-A-34	C3245	B16RY5	2-Chlorophenol	95-57-8	ug/kg	4/17/2003	4/17/2003	1	0	150
216-A-34	C3245	B16VV9	2-Chlorophenol	95-57-8	ug/kg	4/17/2003	4/17/2003	1	0	150
216-A-34	C3245	B16RX6	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	69
216-A-34	C3245	B16RX7	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	69
216-A-34	C3245	B16RX9	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	69
216-A-34	C3245	B16RY0	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/7/2003	4/7/2003	1	0	69
216-A-34	C3245	B16RY1	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/7/2003	4/7/2003	1	0	70
216-A-34	C3245	B16RY2	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/7/2003	4/7/2003	1	0	68
216-A-34	C3245	B16RY3	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/9/2003	4/9/2003	1	0	68
216-A-34	C3245	B16RY4	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/16/2003	4/16/2003	1	0	67
216-A-34	C3245	B16RY5	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/17/2003	4/17/2003	1	0	66
216-A-34	C3245	B16VV9	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/17/2003	4/17/2003	1	0	67
216-A-34	C3245	B16RX7	Acetone	67-64-1	ug/kg	4/4/2003	4/4/2003	1	0	2.0
216-A-34	C3245	B16RX7	Americium-241	14596-10-2	pCi/g	4/4/2003	4/4/2003	1	0	0.024
216-A-34	C3245	B16RX8	Americium-241	14596-10-2	pCi/g	4/4/2003	4/4/2003	1	0	0.26
216-A-34	C3245	B16RY1	Americium-241	14596-10-2	pCi/g	4/7/2003	4/7/2003	1	0	0.0090
216-A-34	C3245	B16RY2	Americium-241	14596-10-2	pCi/g	4/7/2003	4/7/2003	1	0	0.025
216-A-34	C3245	B16RY3	Americium-241	14596-10-2	pCi/g	4/9/2003	4/9/2003	1	0	0.021
216-A-34	C3245	B16RY4	Americium-241	14596-10-2	pCi/g	4/16/2003	4/16/2003	1	0	0.050
216-A-34	C3245	B16RY5	Americium-241	14596-10-2	pCi/g	4/17/2003	4/17/2003	1	0	0.048
216-A-34	C3245	B16VV9	Americium-241	14596-10-2	pCi/g	4/17/2003	4/17/2003	1	0	0.049
216-A-34	C3245	B16RY2	Ammonia	7664-41-7	ug/kg	4/7/2003	4/7/2003	1	0	243
216-A-34	C3245	B16RY2	Ammonium ion	14798-03-9	ug/kg	4/7/2003	4/7/2003	1	0	258
216-A-34	C3245	B16RY3	Ammonium ion	14798-03-9	ug/kg	4/9/2003	4/9/2003	1	0	258
216-A-34	C3245	B16RY4	Ammonium ion	14798-03-9	ug/kg	4/16/2003	4/16/2003	1	0	258
216-A-34	C3245	B16RY5	Ammonium ion	14798-03-9	ug/kg	4/17/2003	4/17/2003	1	0	258
216-A-34	C3245	B16VV9	Ammonium ion	14798-03-9	ug/kg	4/17/2003	4/17/2003	1	0	258

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
216-A-34	C3245	B16RX6	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	239
216-A-34	C3245	B16RX7	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	248
216-A-34	C3245	B16RX9	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	240
216-A-34	C3245	B16RY0	Antimony	7440-36-0	ug/kg	4/7/2003	4/7/2003	1	0	2,480
216-A-34	C3245	B16RY1	Antimony	7440-36-0	ug/kg	4/7/2003	4/7/2003	1	0	2,460
216-A-34	C3245	B16RY2	Antimony	7440-36-0	ug/kg	4/7/2003	4/7/2003	1	0	2,360
216-A-34	C3245	B16RY3	Antimony	7440-36-0	ug/kg	4/9/2003	4/9/2003	1	0	2,180
216-A-34	C3245	B16RY4	Antimony	7440-36-0	ug/kg	4/16/2003	4/16/2003	1	0	2,450
216-A-34	C3245	B16RY5	Antimony	7440-36-0	ug/kg	4/17/2003	4/17/2003	1	0	2,480
216-A-34	C3245	B16VV9	Antimony	7440-36-0	ug/kg	4/17/2003	4/17/2003	1	0	2,370
216-A-34	C3245	B16RX6	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0.036
216-A-34	C3245	B16RX7	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0.030
216-A-34	C3245	B16RX9	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0.039
216-A-34	C3245	B16RY0	Antimony-125	14234-35-6	pCi/g	4/7/2003	4/7/2003	1	0	0.055
216-A-34	C3245	B16RY1	Antimony-125	14234-35-6	pCi/g	4/7/2003	4/7/2003	1	0	0.029
216-A-34	C3245	B16RY2	Antimony-125	14234-35-6	pCi/g	4/7/2003	4/7/2003	1	0	0.040
216-A-34	C3245	B16RY3	Antimony-125	14234-35-6	pCi/g	4/9/2003	4/9/2003	1	0	0.029
216-A-34	C3245	B16RY4	Antimony-125	14234-35-6	pCi/g	4/16/2003	4/16/2003	1	0	0.024
216-A-34	C3245	B16RY5	Antimony-125	14234-35-6	pCi/g	4/17/2003	4/17/2003	1	0	0.026
216-A-34	C3245	B16VV9	Antimony-125	14234-35-6	pCi/g	4/17/2003	4/17/2003	1	0	0.057
216-A-34	C3245	B16RY0	Arsenic	7440-38-2	ug/kg	4/7/2003	4/7/2003	1	0	1,490
216-A-34	C3245	B16RY2	Arsenic	7440-38-2	ug/kg	4/7/2003	4/7/2003	1	0	1,420
216-A-34	C3245	B16RY5	Arsenic	7440-38-2	ug/kg	4/17/2003	4/17/2003	1	0	1,480
216-A-34	C3245	B16VV9	Arsenic	7440-38-2	ug/kg	4/17/2003	4/17/2003	1	0	1,420
216-A-34	C3245	B16RY0	Beryllium	7440-41-7	ug/kg	4/7/2003	4/7/2003	1	0	1,490
216-A-34	C3245	B16RY1	Beryllium	7440-41-7	ug/kg	4/7/2003	4/7/2003	1	0	1,480
216-A-34	C3245	B16RY2	Beryllium	7440-41-7	ug/kg	4/7/2003	4/7/2003	1	0	1,420
216-A-34	C3245	B16RY3	Beryllium	7440-41-7	ug/kg	4/9/2003	4/9/2003	1	0	1,310
216-A-34	C3245	B16RY4	Beryllium	7440-41-7	ug/kg	4/16/2003	4/16/2003	1	0	1,470
216-A-34	C3245	B16RY5	Beryllium	7440-41-7	ug/kg	4/17/2003	4/17/2003	1	0	1,480
216-A-34	C3245	B16VV9	Beryllium	7440-41-7	ug/kg	4/17/2003	4/17/2003	1	0	1,420
216-A-34	C3245	B16RY0	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/7/2003	4/7/2003	1	0	580
216-A-34	C3245	B16RY1	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/7/2003	4/7/2003	1	0	590
216-A-34	C3245	B16RY2	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/7/2003	4/7/2003	1	0	570
216-A-34	C3245	B16RY3	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/9/2003	4/9/2003	1	0	570
216-A-34	C3245	B16RY5	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/17/2003	4/17/2003	1	0	550
216-A-34	C3245	B16VV9	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/17/2003	4/17/2003	1	0	560
216-A-34	C3245	B16RX6	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	6,770
216-A-34	C3245	B16RX7	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	6,190
216-A-34	C3245	B16RX9	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	6,110
216-A-34	C3245	B16RY0	Bismuth	7440-69-9	ug/kg	4/7/2003	4/7/2003	1	0	6,700
216-A-34	C3245	B16RY1	Bismuth	7440-69-9	ug/kg	4/7/2003	4/7/2003	1	0	6,560
216-A-34	C3245	B16RY4	Bismuth	7440-69-9	ug/kg	4/16/2003	4/16/2003	1	0	8,700
216-A-34	C3245	B16RY5	Bismuth	7440-69-9	ug/kg	4/17/2003	4/17/2003	1	0	8,910
216-A-34	C3245	B16VV9	Bismuth	7440-69-9	ug/kg	4/17/2003	4/17/2003	1	0	8,710
216-A-34	C3245	B16RY0	Boron	7440-42-8	ug/kg	4/7/2003	4/7/2003	1	0	10,100
216-A-34	C3245	B16RY1	Boron	7440-42-8	ug/kg	4/7/2003	4/7/2003	1	0	9,830
216-A-34	C3245	B16RY2	Boron	7440-42-8	ug/kg	4/7/2003	4/7/2003	1	0	9,180
216-A-34	C3245	B16RY3	Boron	7440-42-8	ug/kg	4/9/2003	4/9/2003	1	0	919,600
216-A-34	C3245	B16RY4	Boron	7440-42-8	ug/kg	4/16/2003	4/16/2003	1	0	8,870
216-A-34	C3245	B16RY5	Boron	7440-42-8	ug/kg	4/17/2003	4/17/2003	1	0	9,090
216-A-34	C3245	B16VV9	Boron	7440-42-8	ug/kg	4/17/2003	4/17/2003	1	0	8,880
216-A-34	C3245	B16RX6	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	69
216-A-34	C3245	B16RX7	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	69

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
216-A-34	C3245	B16RX9	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	69
216-A-34	C3245	B16RY0	Butylbenzylphthalate	85-68-7	ug/kg	4/7/2003	4/7/2003	1	0	69
216-A-34	C3245	B16RY1	Butylbenzylphthalate	85-68-7	ug/kg	4/7/2003	4/7/2003	1	0	70
216-A-34	C3245	B16RY2	Butylbenzylphthalate	85-68-7	ug/kg	4/7/2003	4/7/2003	1	0	68
216-A-34	C3245	B16RY3	Butylbenzylphthalate	85-68-7	ug/kg	4/9/2003	4/9/2003	1	0	68
216-A-34	C3245	B16RY4	Butylbenzylphthalate	85-68-7	ug/kg	4/16/2003	4/16/2003	1	0	67
216-A-34	C3245	B16RY5	Butylbenzylphthalate	85-68-7	ug/kg	4/17/2003	4/17/2003	1	0	66
216-A-34	C3245	B16VV9	Butylbenzylphthalate	85-68-7	ug/kg	4/17/2003	4/17/2003	1	0	67
216-A-34	C3245	B16RY0	Cadmium	7440-43-9	ug/kg	4/7/2003	4/7/2003	1	0	496
216-A-34	C3245	B16RY1	Cadmium	7440-43-9	ug/kg	4/7/2003	4/7/2003	1	0	492
216-A-34	C3245	B16RY2	Cadmium	7440-43-9	ug/kg	4/7/2003	4/7/2003	1	0	473
216-A-34	C3245	B16RY3	Cadmium	7440-43-9	ug/kg	4/9/2003	4/9/2003	1	0	437
216-A-34	C3245	B16RY4	Cadmium	7440-43-9	ug/kg	4/16/2003	4/16/2003	1	0	490
216-A-34	C3245	B16RY5	Cadmium	7440-43-9	ug/kg	4/17/2003	4/17/2003	1	0	495
216-A-34	C3245	B16VV9	Cadmium	7440-43-9	ug/kg	4/17/2003	4/17/2003	1	0	474
216-A-34	C3245	B16RW5	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	1.9
216-A-34	C3245	B16RW6	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	1.7
216-A-34	C3245	B16RW8	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	3.3
216-A-34	C3245	B16RW9	Carbon-14	14762-75-5	pCi/g	4/7/2003	4/7/2003	1	0	2.7
216-A-34	C3245	B16RX0	Carbon-14	14762-75-5	pCi/g	4/7/2003	4/7/2003	1	0	3.3
216-A-34	C3245	B16RX1	Carbon-14	14762-75-5	pCi/g	4/7/2003	4/7/2003	1	0	2.0
216-A-34	C3245	B16RX2	Carbon-14	14762-75-5	pCi/g	4/9/2003	4/9/2003	1	0	2.9
216-A-34	C3245	B16RX3	Carbon-14	14762-75-5	pCi/g	4/16/2003	4/16/2003	1	0	3.8
216-A-34	C3245	B16RX4	Carbon-14	14762-75-5	pCi/g	4/17/2003	4/17/2003	1	0	2.6
216-A-34	C3245	B16RX5	Carbon-14	14762-75-5	pCi/g	4/17/2003	4/17/2003	1	0	2.7
216-A-34	C3245	B16RX6	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0.017
216-A-34	C3245	B16RX7	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0.014
216-A-34	C3245	B16RX9	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0.017
216-A-34	C3245	B16RY0	Cesium-134	13967-70-9	pCi/g	4/7/2003	4/7/2003	1	0	0.031
216-A-34	C3245	B16RY1	Cesium-134	13967-70-9	pCi/g	4/7/2003	4/7/2003	1	0	0.014
216-A-34	C3245	B16RY2	Cesium-134	13967-70-9	pCi/g	4/7/2003	4/7/2003	1	0	0.022
216-A-34	C3245	B16RY3	Cesium-134	13967-70-9	pCi/g	4/9/2003	4/9/2003	1	0	0.014
216-A-34	C3245	B16RY4	Cesium-134	13967-70-9	pCi/g	4/16/2003	4/16/2003	1	0	0.011
216-A-34	C3245	B16RY5	Cesium-134	13967-70-9	pCi/g	4/17/2003	4/17/2003	1	0	0.013
216-A-34	C3245	B16VV9	Cesium-134	13967-70-9	pCi/g	4/17/2003	4/17/2003	1	0	0.027
216-A-34	C3245	B16RX6	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0.014
216-A-34	C3245	B16RX7	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0.012
216-A-34	C3245	B16RX9	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0.014
216-A-34	C3245	B16RY0	Cesium-137	10045-97-3	pCi/g	4/7/2003	4/7/2003	1	0	0.025
216-A-34	C3245	B16RY3	Cesium-137	10045-97-3	pCi/g	4/9/2003	4/9/2003	1	0	0.010
216-A-34	C3245	B16RY4	Cesium-137	10045-97-3	pCi/g	4/16/2003	4/16/2003	1	0	0.0090
216-A-34	C3245	B16RY5	Cesium-137	10045-97-3	pCi/g	4/17/2003	4/17/2003	1	0	0.010
216-A-34	C3245	B16RX7	Chloroform	67-66-3	ug/kg	4/4/2003	4/4/2003	1	0	2.0
216-A-34	C3245	B16RX6	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0.012
216-A-34	C3245	B16RX7	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0.012
216-A-34	C3245	B16RX9	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0.012
216-A-34	C3245	B16RY0	Cobalt-60	10198-40-0	pCi/g	4/7/2003	4/7/2003	1	0	0.028
216-A-34	C3245	B16RY1	Cobalt-60	10198-40-0	pCi/g	4/7/2003	4/7/2003	1	0	0.010
216-A-34	C3245	B16RY2	Cobalt-60	10198-40-0	pCi/g	4/7/2003	4/7/2003	1	0	0.022
216-A-34	C3245	B16RY3	Cobalt-60	10198-40-0	pCi/g	4/9/2003	4/9/2003	1	0	0.010
216-A-34	C3245	B16RY4	Cobalt-60	10198-40-0	pCi/g	4/16/2003	4/16/2003	1	0	0.0090
216-A-34	C3245	B16RY5	Cobalt-60	10198-40-0	pCi/g	4/17/2003	4/17/2003	1	0	0.0090
216-A-34	C3245	B16VV9	Cobalt-60	10198-40-0	pCi/g	4/17/2003	4/17/2003	1	0	0.025
216-A-34	C3245	B16RX6	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	190

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
216-A-34	C3245	B16RX7	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	200
216-A-34	C3245	B16RX9	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	200
216-A-34	C3245	B16RY0	Cyanide	57-12-5	ug/kg	4/7/2003	4/7/2003	1	0	200
216-A-34	C3245	B16RY1	Cyanide	57-12-5	ug/kg	4/7/2003	4/7/2003	1	0	200
216-A-34	C3245	B16RY2	Cyanide	57-12-5	ug/kg	4/7/2003	4/7/2003	1	0	200
216-A-34	C3245	B16RY3	Cyanide	57-12-5	ug/kg	4/9/2003	4/9/2003	1	0	200
216-A-34	C3245	B16RY4	Cyanide	57-12-5	ug/kg	4/16/2003	4/16/2003	1	0	200
216-A-34	C3245	B16RY5	Cyanide	57-12-5	ug/kg	4/17/2003	4/17/2003	1	0	190
216-A-34	C3245	B16VV9	Cyanide	57-12-5	ug/kg	4/17/2003	4/17/2003	1	0	190
216-A-34	C3245	B16RX6	Diethylphthalate	84-66-2	ug/kg	4/4/2003	4/4/2003	1	0	190
216-A-34	C3245	B16RX9	Diethylphthalate	84-66-2	ug/kg	4/4/2003	4/4/2003	1	0	1,000
216-A-34	C3245	B16VV9	Diethylphthalate	84-66-2	ug/kg	4/17/2003	4/17/2003	1	0	190
216-A-34	C3245	B16RX6	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	89
216-A-34	C3245	B16RX7	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	89
216-A-34	C3245	B16RX9	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	90
216-A-34	C3245	B16RY0	Di-n-butylphthalate	84-74-2	ug/kg	4/7/2003	4/7/2003	1	0	90
216-A-34	C3245	B16RY1	Di-n-butylphthalate	84-74-2	ug/kg	4/7/2003	4/7/2003	1	0	91
216-A-34	C3245	B16RY2	Di-n-butylphthalate	84-74-2	ug/kg	4/7/2003	4/7/2003	1	0	88
216-A-34	C3245	B16RY3	Di-n-butylphthalate	84-74-2	ug/kg	4/9/2003	4/9/2003	1	0	88
216-A-34	C3245	B16RY4	Di-n-butylphthalate	84-74-2	ug/kg	4/16/2003	4/16/2003	1	0	88
216-A-34	C3245	B16RY5	Di-n-butylphthalate	84-74-2	ug/kg	4/17/2003	4/17/2003	1	0	86
216-A-34	C3245	B16VV9	Di-n-butylphthalate	84-74-2	ug/kg	4/17/2003	4/17/2003	1	0	87
216-A-34	C3245	B16RX6	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0.040
216-A-34	C3245	B16RX7	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0.033
216-A-34	C3245	B16RX9	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0.044
216-A-34	C3245	B16RY0	Europium-152	14683-23-9	pCi/g	4/7/2003	4/7/2003	1	0	0.055
216-A-34	C3245	B16RY1	Europium-152	14683-23-9	pCi/g	4/7/2003	4/7/2003	1	0	0.029
216-A-34	C3245	B16RY2	Europium-152	14683-23-9	pCi/g	4/7/2003	4/7/2003	1	0	0.041
216-A-34	C3245	B16RY3	Europium-152	14683-23-9	pCi/g	4/9/2003	4/9/2003	1	0	0.031
216-A-34	C3245	B16RY4	Europium-152	14683-23-9	pCi/g	4/16/2003	4/16/2003	1	0	0.027
216-A-34	C3245	B16RY5	Europium-152	14683-23-9	pCi/g	4/17/2003	4/17/2003	1	0	0.027
216-A-34	C3245	B16VV9	Europium-152	14683-23-9	pCi/g	4/17/2003	4/17/2003	1	0	0.058
216-A-34	C3245	B16RX6	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0.038
216-A-34	C3245	B16RX7	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0.036
216-A-34	C3245	B16RX9	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0.037
216-A-34	C3245	B16RY0	Europium-154	15585-10-1	pCi/g	4/7/2003	4/7/2003	1	0	0.083
216-A-34	C3245	B16RY1	Europium-154	15585-10-1	pCi/g	4/7/2003	4/7/2003	1	0	0.030
216-A-34	C3245	B16RY2	Europium-154	15585-10-1	pCi/g	4/7/2003	4/7/2003	1	0	0.070
216-A-34	C3245	B16RY3	Europium-154	15585-10-1	pCi/g	4/9/2003	4/9/2003	1	0	0.035
216-A-34	C3245	B16RY4	Europium-154	15585-10-1	pCi/g	4/16/2003	4/16/2003	1	0	0.028
216-A-34	C3245	B16RY5	Europium-154	15585-10-1	pCi/g	4/17/2003	4/17/2003	1	0	0.029
216-A-34	C3245	B16VV9	Europium-154	15585-10-1	pCi/g	4/17/2003	4/17/2003	1	0	0.073
216-A-34	C3245	B16RX7	Europium-155	14391-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0.058
216-A-34	C3245	B16RX8	Europium-155	14391-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0.090
216-A-34	C3245	B16RY0	Europium-155	14391-16-3	pCi/g	4/7/2003	4/7/2003	1	0	0.072
216-A-34	C3245	B16RY1	Europium-155	14391-16-3	pCi/g	4/7/2003	4/7/2003	1	0	0.048
216-A-34	C3245	B16RY3	Europium-155	14391-16-3	pCi/g	4/9/2003	4/9/2003	1	0	0.047
216-A-34	C3245	B16VV9	Europium-155	14391-16-3	pCi/g	4/17/2003	4/17/2003	1	0	0.076
216-A-34	C3245	B16RY3	Fluoride	16984-48-8	ug/kg	4/9/2003	4/9/2003	1	0	350
216-A-34	C3245	B16RY5	Fluoride	16984-48-8	ug/kg	4/17/2003	4/17/2003	1	0	350
216-A-34	C3245	B16VV9	Fluoride	16984-48-8	ug/kg	4/17/2003	4/17/2003	1	0	350
216-A-34	C3245	B16RW5	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	420
216-A-34	C3245	B16RW6	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	420
216-A-34	C3245	B16RW7	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	420

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
216-A-34	C3245	B16RW9	Hexavalent Chromium	18540-29-9	ug/kg	4/7/2003	4/7/2003	1	0	420
216-A-34	C3245	B16RX0	Hexavalent Chromium	18540-29-9	ug/kg	4/7/2003	4/7/2003	1	0	420
216-A-34	C3245	B16RX1	Hexavalent Chromium	18540-29-9	ug/kg	4/7/2003	4/7/2003	1	0	410
216-A-34	C3245	B16RX2	Hexavalent Chromium	18540-29-9	ug/kg	4/9/2003	4/9/2003	1	0	410
216-A-34	C3245	B16RX3	Hexavalent Chromium	18540-29-9	ug/kg	4/16/2003	4/16/2003	1	0	420
216-A-34	C3245	B16RX4	Hexavalent Chromium	18540-29-9	ug/kg	4/17/2003	4/17/2003	1	0	410
216-A-34	C3245	B16RX5	Hexavalent Chromium	18540-29-9	ug/kg	4/17/2003	4/17/2003	1	0	410
216-A-34	C3245	B16RY0	Lead	7439-92-1	ug/kg	4/7/2003	4/7/2003	1	0	5,950
216-A-34	C3245	B16RY1	Lead	7439-92-1	ug/kg	4/7/2003	4/7/2003	1	0	5,900
216-A-34	C3245	B16RY2	Lead	7439-92-1	ug/kg	4/7/2003	4/7/2003	1	0	5,680
216-A-34	C3245	B16RY3	Lead	7439-92-1	ug/kg	4/9/2003	4/9/2003	1	0	5,240
216-A-34	C3245	B16RY4	Lead	7439-92-1	ug/kg	4/16/2003	4/16/2003	1	0	5,880
216-A-34	C3245	B16RY5	Lead	7439-92-1	ug/kg	4/17/2003	4/17/2003	1	0	5,940
216-A-34	C3245	B16VV9	Lead	7439-92-1	ug/kg	4/17/2003	4/17/2003	1	0	5,690
216-A-34	C3245	B16RX6	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	48
216-A-34	C3245	B16RX7	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	50
216-A-34	C3245	B16RX9	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	48
216-A-34	C3245	B16RY0	Mercury	7439-97-6	ug/kg	4/7/2003	4/7/2003	1	0	496
216-A-34	C3245	B16RY1	Mercury	7439-97-6	ug/kg	4/7/2003	4/7/2003	1	0	492
216-A-34	C3245	B16RY2	Mercury	7439-97-6	ug/kg	4/7/2003	4/7/2003	1	0	473
216-A-34	C3245	B16RY3	Mercury	7439-97-6	ug/kg	4/9/2003	4/9/2003	1	0	437
216-A-34	C3245	B16RY4	Mercury	7439-97-6	ug/kg	4/16/2003	4/16/2003	1	0	490
216-A-34	C3245	B16RY5	Mercury	7439-97-6	ug/kg	4/17/2003	4/17/2003	1	0	495
216-A-34	C3245	B16VV9	Mercury	7439-97-6	ug/kg	4/17/2003	4/17/2003	1	0	474
216-A-34	C3245	B16RX7	Methylene chloride	75-09-2	ug/kg	4/4/2003	4/4/2003	1	0	2.0
216-A-34	C3245	B16RX6	Molybdenum	7439-98-7	ug/kg	4/4/2003	4/4/2003	1	0	1,430
216-A-34	C3245	B16RX7	Molybdenum	7439-98-7	ug/kg	4/4/2003	4/4/2003	1	0	1,490
216-A-34	C3245	B16RY0	Molybdenum	7439-98-7	ug/kg	4/7/2003	4/7/2003	1	0	1,490
216-A-34	C3245	B16RY1	Molybdenum	7439-98-7	ug/kg	4/7/2003	4/7/2003	1	0	1,480
216-A-34	C3245	B16RY2	Molybdenum	7439-98-7	ug/kg	4/7/2003	4/7/2003	1	0	1,420
216-A-34	C3245	B16RY3	Molybdenum	7439-98-7	ug/kg	4/9/2003	4/9/2003	1	0	1,310
216-A-34	C3245	B16RY5	Molybdenum	7439-98-7	ug/kg	4/17/2003	4/17/2003	1	0	1,480
216-A-34	C3245	B16VV9	Molybdenum	7439-98-7	ug/kg	4/17/2003	4/17/2003	1	0	1,420
216-A-34	C3245	B16RW6	Nickel-63	13981-37-8	pCi/g	4/4/2003	4/4/2003	1	0	2.1
216-A-34	C3245	B16RW8	Nickel-63	13981-37-8	pCi/g	4/4/2003	4/4/2003	1	0	2.1
216-A-34	C3245	B16RW9	Nickel-63	13981-37-8	pCi/g	4/7/2003	4/7/2003	1	0	2.0
216-A-34	C3245	B16RX1	Nickel-63	13981-37-8	pCi/g	4/7/2003	4/7/2003	1	0	2.1
216-A-34	C3245	B16RX2	Nickel-63	13981-37-8	pCi/g	4/9/2003	4/9/2003	1	0	2.1
216-A-34	C3245	B16RX3	Nickel-63	13981-37-8	pCi/g	4/16/2003	4/16/2003	1	0	2.3
216-A-34	C3245	B16RX4	Nickel-63	13981-37-8	pCi/g	4/17/2003	4/17/2003	1	0	2.3
216-A-34	C3245	B16RX5	Nickel-63	13981-37-8	pCi/g	4/17/2003	4/17/2003	1	0	2.4
216-A-34	C3245	B16RX6	Nitrite	14797-65-0	ug/kg	4/4/2003	4/4/2003	1	0	591
216-A-34	C3245	B16RX7	Nitrite	14797-65-0	ug/kg	4/4/2003	4/4/2003	1	0	591
216-A-34	C3245	B16RY2	Nitrite	14797-65-0	ug/kg	4/7/2003	4/7/2003	1	0	296
216-A-34	C3245	B16RY3	Nitrite	14797-65-0	ug/kg	4/9/2003	4/9/2003	1	0	1,480
216-A-34	C3245	B16RY4	Nitrite	14797-65-0	ug/kg	4/16/2003	4/16/2003	1	0	1,480
216-A-34	C3245	B16RY5	Nitrite	14797-65-0	ug/kg	4/17/2003	4/17/2003	1	0	1,480
216-A-34	C3245	B16VV9	Nitrite	14797-65-0	ug/kg	4/17/2003	4/17/2003	1	0	1,480
216-A-34	C3245	B16RX6	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	69
216-A-34	C3245	B16RX7	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	69
216-A-34	C3245	B16RX9	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	69
216-A-34	C3245	B16RY0	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/7/2003	4/7/2003	1	0	69
216-A-34	C3245	B16RY1	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/7/2003	4/7/2003	1	0	70
216-A-34	C3245	B16RY2	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/7/2003	4/7/2003	1	0	68

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
216-A-34	C3245	B16RY3	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/9/2003	4/9/2003	1	0	68
216-A-34	C3245	B16RY4	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/16/2003	4/16/2003	1	0	67
216-A-34	C3245	B16RY5	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/17/2003	4/17/2003	1	0	66
216-A-34	C3245	B16VV9	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/17/2003	4/17/2003	1	0	67
216-A-34	C3245	B16RX6	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	100
216-A-34	C3245	B16RX7	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	100
216-A-34	C3245	B16RX9	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	100
216-A-34	C3245	B16RY0	Phenol	108-95-2	ug/kg	4/7/2003	4/7/2003	1	0	100
216-A-34	C3245	B16RY1	Phenol	108-95-2	ug/kg	4/7/2003	4/7/2003	1	0	110
216-A-34	C3245	B16RY2	Phenol	108-95-2	ug/kg	4/7/2003	4/7/2003	1	0	100
216-A-34	C3245	B16RY3	Phenol	108-95-2	ug/kg	4/9/2003	4/9/2003	1	0	100
216-A-34	C3245	B16RY4	Phenol	108-95-2	ug/kg	4/16/2003	4/16/2003	1	0	100
216-A-34	C3245	B16RY5	Phenol	108-95-2	ug/kg	4/17/2003	4/17/2003	1	0	99
216-A-34	C3245	B16VV9	Phenol	108-95-2	ug/kg	4/17/2003	4/17/2003	1	0	100
216-A-34	C3245	B16RY2	Phosphate	14265-44-2	ug/kg	4/7/2003	4/7/2003	1	0	399
216-A-34	C3245	B16RY3	Phosphate	14265-44-2	ug/kg	4/9/2003	4/9/2003	1	0	1,990
216-A-34	C3245	B16RY4	Phosphate	14265-44-2	ug/kg	4/16/2003	4/16/2003	1	0	1,990
216-A-34	C3245	B16RY5	Phosphate	14265-44-2	ug/kg	4/17/2003	4/17/2003	1	0	1,990
216-A-34	C3245	B16VV9	Phosphate	14265-44-2	ug/kg	4/17/2003	4/17/2003	1	0	1,990
216-A-34	C3245	B16RX6	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0.28
216-A-34	C3245	B16RX7	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0.027
216-A-34	C3245	B16RX8	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0.066
216-A-34	C3245	B16RY0	Plutonium-238	13981-16-3	pCi/g	4/7/2003	4/7/2003	1	0	0.033
216-A-34	C3245	B16RY1	Plutonium-238	13981-16-3	pCi/g	4/7/2003	4/7/2003	1	0	0.029
216-A-34	C3245	B16RY2	Plutonium-238	13981-16-3	pCi/g	4/7/2003	4/7/2003	1	0	0.025
216-A-34	C3245	B16RY3	Plutonium-238	13981-16-3	pCi/g	4/9/2003	4/9/2003	1	0	0.026
216-A-34	C3245	B16RY4	Plutonium-238	13981-16-3	pCi/g	4/16/2003	4/16/2003	1	0	0.066
216-A-34	C3245	B16RY5	Plutonium-238	13981-16-3	pCi/g	4/17/2003	4/17/2003	1	0	0.042
216-A-34	C3245	B16VV9	Plutonium-238	13981-16-3	pCi/g	4/17/2003	4/17/2003	1	0	0.046
216-A-34	C3245	B16RY0	Plutonium-239/240	PU-239/240	pCi/g	4/7/2003	4/7/2003	1	0	0.013
216-A-34	C3245	B16RY1	Plutonium-239/240	PU-239/240	pCi/g	4/7/2003	4/7/2003	1	0	0.0030
216-A-34	C3245	B16RY3	Plutonium-239/240	PU-239/240	pCi/g	4/9/2003	4/9/2003	1	0	0.010
216-A-34	C3245	B16RY4	Plutonium-239/240	PU-239/240	pCi/g	4/16/2003	4/16/2003	1	0	0.023
216-A-34	C3245	B16RY5	Plutonium-239/240	PU-239/240	pCi/g	4/17/2003	4/17/2003	1	0	0.016
216-A-34	C3245	B16VV9	Plutonium-239/240	PU-239/240	pCi/g	4/17/2003	4/17/2003	1	0	0.023
216-A-34	C3245	B16RX6	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	69
216-A-34	C3245	B16RX7	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	69
216-A-34	C3245	B16RX9	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	69
216-A-34	C3245	B16RY0	Pyrene	129-00-0	ug/kg	4/7/2003	4/7/2003	1	0	69
216-A-34	C3245	B16RY1	Pyrene	129-00-0	ug/kg	4/7/2003	4/7/2003	1	0	70
216-A-34	C3245	B16RY2	Pyrene	129-00-0	ug/kg	4/7/2003	4/7/2003	1	0	68
216-A-34	C3245	B16RY3	Pyrene	129-00-0	ug/kg	4/9/2003	4/9/2003	1	0	68
216-A-34	C3245	B16RY4	Pyrene	129-00-0	ug/kg	4/16/2003	4/16/2003	1	0	67
216-A-34	C3245	B16RY5	Pyrene	129-00-0	ug/kg	4/17/2003	4/17/2003	1	0	66
216-A-34	C3245	B16VV9	Pyrene	129-00-0	ug/kg	4/17/2003	4/17/2003	1	0	67
216-A-34	C3245	B16RX6	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0.12
216-A-34	C3245	B16RX7	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0.099
216-A-34	C3245	B16RX9	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0.12
216-A-34	C3245	B16RY0	Ruthenium-106	13967-48-1	pCi/g	4/7/2003	4/7/2003	1	0	0.21
216-A-34	C3245	B16RY1	Ruthenium-106	13967-48-1	pCi/g	4/7/2003	4/7/2003	1	0	0.088
216-A-34	C3245	B16RY2	Ruthenium-106	13967-48-1	pCi/g	4/7/2003	4/7/2003	1	0	0.15
216-A-34	C3245	B16RY3	Ruthenium-106	13967-48-1	pCi/g	4/9/2003	4/9/2003	1	0	0.088
216-A-34	C3245	B16RY4	Ruthenium-106	13967-48-1	pCi/g	4/16/2003	4/16/2003	1	0	0.075
216-A-34	C3245	B16RY5	Ruthenium-106	13967-48-1	pCi/g	4/17/2003	4/17/2003	1	0	0.080

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
216-A-34	C3245	B16VV9	Ruthenium-106	13967-48-1	pCi/g	4/17/2003	4/17/2003	1	0	0.20
216-A-34	C3245	B16RX6	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	1,430
216-A-34	C3245	B16RX7	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	1,490
216-A-34	C3245	B16RX9	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	1,440
216-A-34	C3245	B16RY0	Selenium	7782-49-2	ug/kg	4/7/2003	4/7/2003	1	0	1,490
216-A-34	C3245	B16RY1	Selenium	7782-49-2	ug/kg	4/7/2003	4/7/2003	1	0	1,480
216-A-34	C3245	B16RY2	Selenium	7782-49-2	ug/kg	4/7/2003	4/7/2003	1	0	1,420
216-A-34	C3245	B16RY3	Selenium	7782-49-2	ug/kg	4/9/2003	4/9/2003	1	0	1,310
216-A-34	C3245	B16RY4	Selenium	7782-49-2	ug/kg	4/16/2003	4/16/2003	1	0	1,470
216-A-34	C3245	B16RY5	Selenium	7782-49-2	ug/kg	4/17/2003	4/17/2003	1	0	1,480
216-A-34	C3245	B16VV9	Selenium	7782-49-2	ug/kg	4/17/2003	4/17/2003	1	0	1,420
216-A-34	C3245	B16RX6	Silver	7440-22-4	ug/kg	4/4/2003	4/4/2003	1	0	96
216-A-34	C3245	B16RY0	Silver	7440-22-4	ug/kg	4/7/2003	4/7/2003	1	0	992
216-A-34	C3245	B16RY1	Silver	7440-22-4	ug/kg	4/7/2003	4/7/2003	1	0	984
216-A-34	C3245	B16RY2	Silver	7440-22-4	ug/kg	4/7/2003	4/7/2003	1	0	946
216-A-34	C3245	B16RY3	Silver	7440-22-4	ug/kg	4/9/2003	4/9/2003	1	0	874
216-A-34	C3245	B16RY4	Silver	7440-22-4	ug/kg	4/16/2003	4/16/2003	1	0	980
216-A-34	C3245	B16RY5	Silver	7440-22-4	ug/kg	4/17/2003	4/17/2003	1	0	990
216-A-34	C3245	B16VV9	Silver	7440-22-4	ug/kg	4/17/2003	4/17/2003	1	0	948
216-A-34	C3245	B16RW9	Strontium-90	10098-97-2	pCi/g	4/7/2003	4/7/2003	1	0	0.23
216-A-34	C3245	B16RX0	Strontium-90	10098-97-2	pCi/g	4/7/2003	4/7/2003	1	0	0.22
216-A-34	C3245	B16RX1	Strontium-90	10098-97-2	pCi/g	4/7/2003	4/7/2003	1	0	0.21
216-A-34	C3245	B16RX2	Strontium-90	10098-97-2	pCi/g	4/9/2003	4/9/2003	1	0	0.22
216-A-34	C3245	B16RX3	Strontium-90	10098-97-2	pCi/g	4/16/2003	4/16/2003	1	0	0.33
216-A-34	C3245	B16RX4	Strontium-90	10098-97-2	pCi/g	4/17/2003	4/17/2003	1	0	0.34
216-A-34	C3245	B16RX5	Strontium-90	10098-97-2	pCi/g	4/17/2003	4/17/2003	1	0	0.40
216-A-34	C3245	B16RX7	Styrene	100-42-5	ug/kg	4/4/2003	4/4/2003	1	0	2.0
216-A-34	C3245	B16RW5	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0.58
216-A-34	C3245	B16RW6	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0.57
216-A-34	C3245	B16RW8	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0.53
216-A-34	C3245	B16RW9	Technetium-99	14133-76-7	pCi/g	4/7/2003	4/7/2003	1	0	0.57
216-A-34	C3245	B16RX0	Technetium-99	14133-76-7	pCi/g	4/7/2003	4/7/2003	1	0	0.56
216-A-34	C3245	B16RX1	Technetium-99	14133-76-7	pCi/g	4/7/2003	4/7/2003	1	0	0.58
216-A-34	C3245	B16RX2	Technetium-99	14133-76-7	pCi/g	4/9/2003	4/9/2003	1	0	0.54
216-A-34	C3245	B16RX3	Technetium-99	14133-76-7	pCi/g	4/16/2003	4/16/2003	1	0	0.56
216-A-34	C3245	B16RX4	Technetium-99	14133-76-7	pCi/g	4/17/2003	4/17/2003	1	0	0.53
216-A-34	C3245	B16RX5	Technetium-99	14133-76-7	pCi/g	4/17/2003	4/17/2003	1	0	0.53
216-A-34	C3245	B16RY1	Thallium	7440-28-0	ug/kg	4/7/2003	4/7/2003	1	0	492
216-A-34	C3245	B16RY2	Thallium	7440-28-0	ug/kg	4/7/2003	4/7/2003	1	0	473
216-A-34	C3245	B16RY3	Thallium	7440-28-0	ug/kg	4/9/2003	4/9/2003	1	0	437
216-A-34	C3245	B16RY5	Thallium	7440-28-0	ug/kg	4/17/2003	4/17/2003	1	0	495
216-A-34	C3245	B16VV9	Thallium	7440-28-0	ug/kg	4/17/2003	4/17/2003	1	0	474
216-A-34	C3245	B16RX1	Thorium-228	14274-82-9	pCi/g	4/7/2003	4/7/2003	1	0	0.34
216-A-34	C3245	B16RW9	Thorium-230	14269-63-7	pCi/g	4/7/2003	4/7/2003	1	0	0.36
216-A-34	C3245	B16RX2	Thorium-230	14269-63-7	pCi/g	4/9/2003	4/9/2003	1	0	0.50
216-A-34	C3245	B16RX5	Thorium-230	14269-63-7	pCi/g	4/17/2003	4/17/2003	1	0	0.25
216-A-34	C3245	B16RX6	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0.20
216-A-34	C3245	B16RX7	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0.20
216-A-34	C3245	B16RX8	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0.0080
216-A-34	C3245	B16RY0	Tin-126	15832-50-5	pCi/g	4/7/2003	4/7/2003	1	0	0.090
216-A-34	C3245	B16RY1	Tin-126	15832-50-5	pCi/g	4/7/2003	4/7/2003	1	0	0.044
216-A-34	C3245	B16RY2	Tin-126	15832-50-5	pCi/g	4/7/2003	4/7/2003	1	0	0.090
216-A-34	C3245	B16RY3	Tin-126	15832-50-5	pCi/g	4/9/2003	4/9/2003	1	0	0.20
216-A-34	C3245	B16RY4	Tin-126	15832-50-5	pCi/g	4/16/2003	4/16/2003	1	0	0.20

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
216-A-34	C3245	B16RY5	Tin-126	15832-50-5	pCi/g	4/17/2003	4/17/2003	1	0	0.20
216-A-34	C3245	B16VV9	Tin-126	15832-50-5	pCi/g	4/17/2003	4/17/2003	1	0	0.20
216-A-34	C3245	B16RX6	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	2.0
216-A-34	C3245	B16RX7	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	2.0
216-A-34	C3245	B16RX9	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	2.0
216-A-34	C3245	B16RY0	Toluene	108-88-3	ug/kg	4/7/2003	4/7/2003	1	0	2.1
216-A-34	C3245	B16RY1	Toluene	108-88-3	ug/kg	4/7/2003	4/7/2003	1	0	2.0
216-A-34	C3245	B16RY2	Toluene	108-88-3	ug/kg	4/7/2003	4/7/2003	1	0	2.0
216-A-34	C3245	B16RY3	Toluene	108-88-3	ug/kg	4/9/2003	4/9/2003	1	0	1.9
216-A-34	C3245	B16RY4	Toluene	108-88-3	ug/kg	4/16/2003	4/16/2003	1	0	1.9
216-A-34	C3245	B16RY5	Toluene	108-88-3	ug/kg	4/17/2003	4/17/2003	1	0	1.9
216-A-34	C3245	B16VV9	Toluene	108-88-3	ug/kg	4/17/2003	4/17/2003	1	0	1.8
216-A-34	C3245	B16RY0	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/7/2003	4/7/2003	1	0	4,100
216-A-34	C3245	B16RY1	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/7/2003	4/7/2003	1	0	4,200
216-A-34	C3245	B16RY2	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/7/2003	4/7/2003	1	0	4,100
216-A-34	C3245	B16RY3	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/9/2003	4/9/2003	1	0	4,700
216-A-34	C3245	B16RY4	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/16/2003	4/16/2003	1	0	4,000
216-A-34	C3245	B16RY5	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/17/2003	4/17/2003	1	0	4,000
216-A-34	C3245	B16VV9	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/17/2003	4/17/2003	1	0	4,000
216-A-34	C3245	B16RY2	Tributyl phosphate	126-73-8	ug/kg	4/7/2003	4/7/2003	1	0	68
216-A-34	C3245	B16RY3	Tributyl phosphate	126-73-8	ug/kg	4/9/2003	4/9/2003	1	0	68
216-A-34	C3245	B16RY4	Tributyl phosphate	126-73-8	ug/kg	4/16/2003	4/16/2003	1	0	67
216-A-34	C3245	B16RY5	Tributyl phosphate	126-73-8	ug/kg	4/17/2003	4/17/2003	1	0	66
216-A-34	C3245	B16VV9	Tributyl phosphate	126-73-8	ug/kg	4/17/2003	4/17/2003	1	0	67
216-A-34	C3245	B16RW5	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0.17
216-A-34	C3245	B16RW6	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0.15
216-A-34	C3245	B16RW8	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0.15
216-A-34	C3245	B16RW9	Tritium	10028-17-8	pCi/g	4/7/2003	4/7/2003	1	0	0.17
216-A-34	C3245	B16RX0	Tritium	10028-17-8	pCi/g	4/7/2003	4/7/2003	1	0	0.18
216-A-34	C3245	B16RX1	Tritium	10028-17-8	pCi/g	4/7/2003	4/7/2003	1	0	0.17
216-A-34	C3245	B16RX2	Tritium	10028-17-8	pCi/g	4/9/2003	4/9/2003	1	0	0.16
216-A-34	C3245	B16RX3	Tritium	10028-17-8	pCi/g	4/16/2003	4/16/2003	1	0	0.22
216-A-34	C3245	B16RX4	Tritium	10028-17-8	pCi/g	4/17/2003	4/17/2003	1	0	0.20
216-A-34	C3245	B16RY3	Uranium	7440-61-1	ug/kg	4/9/2003	4/9/2003	1	0	437
216-A-34	C3245	B16RY4	Uranium	7440-61-1	ug/kg	4/16/2003	4/16/2003	1	0	490
216-A-34	C3245	B16RY5	Uranium	7440-61-1	ug/kg	4/17/2003	4/17/2003	1	0	495
216-A-34	C3245	B16VV9	Uranium	7440-61-1	ug/kg	4/17/2003	4/17/2003	1	0	474
UPR-200-E-64	299-E28-30	B23PV9	2-Butanone	78-93-3	ug/kg	2/9/2010	2/9/2010	1	0	1.1
UPR-200-E-64	299-E28-30	B23PW0	2-Butanone	78-93-3	ug/kg	2/12/2010	2/12/2010	1	0	0.94
UPR-200-E-64	299-E28-30	B23PW1	2-Butanone	78-93-3	ug/kg	2/22/2010	2/22/2010	1	0	1.1
UPR-200-E-64	299-E28-30	B23PV9	2-Chlorophenol	95-57-8	ug/kg	2/9/2010	2/9/2010	1	0	170
UPR-200-E-64	299-E28-30	B23PW0	2-Chlorophenol	95-57-8	ug/kg	2/12/2010	2/12/2010	1	0	160
UPR-200-E-64	299-E28-30	B23PW1	2-Chlorophenol	95-57-8	ug/kg	2/22/2010	2/22/2010	1	0	190
UPR-200-E-64	299-E28-30	B23PV9	4-Chloro-3-methylphenol	59-50-7	ug/kg	2/9/2010	2/9/2010	1	0	170
UPR-200-E-64	299-E28-30	B23PW0	4-Chloro-3-methylphenol	59-50-7	ug/kg	2/12/2010	2/12/2010	1	0	160
UPR-200-E-64	299-E28-30	B23PW1	4-Chloro-3-methylphenol	59-50-7	ug/kg	2/22/2010	2/22/2010	1	0	190
UPR-200-E-64	299-E28-30	B23PV9	Acetone	67-64-1	ug/kg	2/9/2010	2/9/2010	1	0	1.1
UPR-200-E-64	299-E28-30	B23PW0	Acetone	67-64-1	ug/kg	2/12/2010	2/12/2010	1	0	0.94
UPR-200-E-64	299-E28-30	B23PW1	Acetone	67-64-1	ug/kg	2/22/2010	2/22/2010	1	0	1.1

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-64	299-E28-30	B235K1	Alkalinity	ALKALINITY	ug/kg	1/19/2010	1/19/2010	1	0	23,500
UPR-200-E-64	299-E28-30	B235K5	Alkalinity	ALKALINITY	ug/kg	1/19/2010	1/19/2010	1	0	23,500
UPR-200-E-64	299-E28-30	B235L9	Alkalinity	ALKALINITY	ug/kg	1/25/2010	1/25/2010	1	0	23,500
UPR-200-E-64	299-E28-30	B23PW1	Americium-241	14596-10-2	pCi/g	2/22/2010	2/22/2010	1	0	0.011
UPR-200-E-64	299-E28-30	B235H1	Antimony	7440-36-0	ug/kg	1/13/2010	1/13/2010	1	0	189
UPR-200-E-64	299-E28-30	B235J0	Antimony	7440-36-0	ug/kg	1/14/2010	1/14/2010	1	0	185
UPR-200-E-64	299-E28-30	B235J6	Antimony	7440-36-0	ug/kg	1/15/2010	1/15/2010	1	0	186
UPR-200-E-64	299-E28-30	B235K1	Antimony	7440-36-0	ug/kg	1/19/2010	1/19/2010	1	0	193
UPR-200-E-64	299-E28-30	B235K5	Antimony	7440-36-0	ug/kg	1/19/2010	1/19/2010	1	0	189
UPR-200-E-64	299-E28-30	B235L9	Antimony	7440-36-0	ug/kg	1/25/2010	1/25/2010	1	0	187
UPR-200-E-64	299-E28-30	B235N9	Antimony	7440-36-0	ug/kg	1/28/2010	1/28/2010	1	0	183
UPR-200-E-64	299-E28-30	B235R2	Antimony	7440-36-0	ug/kg	2/1/2010	2/1/2010	1	0	182
UPR-200-E-64	299-E28-30	B235R9	Antimony	7440-36-0	ug/kg	2/3/2010	2/3/2010	1	0	186
UPR-200-E-64	299-E28-30	B23PV9	Antimony	7440-36-0	ug/kg	2/9/2010	2/9/2010	1	0	295
UPR-200-E-64	299-E28-30	B23PW0	Antimony	7440-36-0	ug/kg	2/12/2010	2/12/2010	1	0	298
UPR-200-E-64	299-E28-30	B23PV9	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	2/9/2010	2/9/2010	1	0	460
UPR-200-E-64	299-E28-30	B23PW0	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	2/12/2010	2/12/2010	1	0	420
UPR-200-E-64	299-E28-30	B23PW1	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	2/22/2010	2/22/2010	1	0	510
UPR-200-E-64	299-E28-30	B23PV9	Butylbenzylphthalate	85-68-7	ug/kg	2/9/2010	2/9/2010	1	0	170
UPR-200-E-64	299-E28-30	B23PW0	Butylbenzylphthalate	85-68-7	ug/kg	2/12/2010	2/12/2010	1	0	160
UPR-200-E-64	299-E28-30	B23PW1	Butylbenzylphthalate	85-68-7	ug/kg	2/22/2010	2/22/2010	1	0	190
UPR-200-E-64	299-E28-30	B235H1	Cadmium	7440-43-9	ug/kg	1/13/2010	1/13/2010	1	0	1,320
UPR-200-E-64	299-E28-30	B235J0	Cadmium	7440-43-9	ug/kg	1/14/2010	1/14/2010	1	0	1,300
UPR-200-E-64	299-E28-30	B235J6	Cadmium	7440-43-9	ug/kg	1/15/2010	1/15/2010	1	0	1,300
UPR-200-E-64	299-E28-30	B235K1	Cadmium	7440-43-9	ug/kg	1/19/2010	1/19/2010	1	0	1,350
UPR-200-E-64	299-E28-30	B235K5	Cadmium	7440-43-9	ug/kg	1/19/2010	1/19/2010	1	0	1,320
UPR-200-E-64	299-E28-30	B235L9	Cadmium	7440-43-9	ug/kg	1/25/2010	1/25/2010	1	0	1,310
UPR-200-E-64	299-E28-30	B235N9	Cadmium	7440-43-9	ug/kg	1/28/2010	1/28/2010	1	0	1,280
UPR-200-E-64	299-E28-30	B235R2	Cadmium	7440-43-9	ug/kg	2/1/2010	2/1/2010	1	0	1,270
UPR-200-E-64	299-E28-30	B235R9	Cadmium	7440-43-9	ug/kg	2/3/2010	2/3/2010	1	0	1,300
UPR-200-E-64	299-E28-30	B235T8	Cadmium	7440-43-9	ug/kg	2/8/2010	2/8/2010	1	0	1,320
UPR-200-E-64	299-E28-30	B23PV9	Cadmium	7440-43-9	ug/kg	2/9/2010	2/9/2010	1	0	98
UPR-200-E-64	299-E28-30	B23PW0	Cadmium	7440-43-9	ug/kg	2/12/2010	2/12/2010	1	0	99
UPR-200-E-64	299-E28-30	B23PV8	Carbon-14	14762-75-5	pCi/g	2/9/2010	2/9/2010	1	0	5.1
UPR-200-E-64	299-E28-30	B23PW0	Carbon-14	14762-75-5	pCi/g	2/12/2010	2/12/2010	1	0	5.4
UPR-200-E-64	299-E28-30	B23PW1	Carbon-14	14762-75-5	pCi/g	2/22/2010	2/22/2010	1	0	5.9
UPR-200-E-64	299-E28-30	B235H1	Cesium-137	10045-97-3	pCi/g	1/13/2010	1/13/2010	1	0	0.28
UPR-200-E-64	299-E28-30	B235J0	Cesium-137	10045-97-3	pCi/g	1/14/2010	1/14/2010	1	0	0.24
UPR-200-E-64	299-E28-30	B235J6	Cesium-137	10045-97-3	pCi/g	1/15/2010	1/15/2010	1	0	0.26
UPR-200-E-64	299-E28-30	B235K1	Cesium-137	10045-97-3	pCi/g	1/19/2010	1/19/2010	1	0	0.27
UPR-200-E-64	299-E28-30	B235K5	Cesium-137	10045-97-3	pCi/g	1/19/2010	1/19/2010	1	0	0.26
UPR-200-E-64	299-E28-30	B235L9	Cesium-137	10045-97-3	pCi/g	1/25/2010	1/25/2010	1	0	0.31
UPR-200-E-64	299-E28-30	B235N9	Cesium-137	10045-97-3	pCi/g	1/28/2010	1/28/2010	1	0	0.23
UPR-200-E-64	299-E28-30	B235R2	Cesium-137	10045-97-3	pCi/g	2/1/2010	2/1/2010	1	0	0.20
UPR-200-E-64	299-E28-30	B235R9	Cesium-137	10045-97-3	pCi/g	2/3/2010	2/3/2010	1	0	0.21
UPR-200-E-64	299-E28-30	B235T8	Cesium-137	10045-97-3	pCi/g	2/8/2010	2/8/2010	1	0	0.22
UPR-200-E-64	299-E28-30	B23PV9	Cesium-137	10045-97-3	pCi/g	2/9/2010	2/9/2010	1	0	0.028
UPR-200-E-64	299-E28-30	B23PW0	Cesium-137	10045-97-3	pCi/g	2/12/2010	2/12/2010	1	0	0.026
UPR-200-E-64	299-E28-30	B23PW1	Cesium-137	10045-97-3	pCi/g	2/22/2010	2/22/2010	1	0	0.024
UPR-200-E-64	299-E28-30	B235J0	Chloride	16887-00-6	ug/kg	1/14/2010	1/14/2010	1	0	5,040
UPR-200-E-64	299-E28-30	B235J6	Chloride	16887-00-6	ug/kg	1/15/2010	1/15/2010	1	0	50,000
UPR-200-E-64	299-E28-30	B235K1	Chloride	16887-00-6	ug/kg	1/19/2010	1/19/2010	1	0	50,100
UPR-200-E-64	299-E28-30	B235K5	Chloride	16887-00-6	ug/kg	1/19/2010	1/19/2010	1	0	5,010
UPR-200-E-64	299-E28-30	B235L9	Chloride	16887-00-6	ug/kg	1/25/2010	1/25/2010	1	0	5,000

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-64	299-E28-30	B23PV9	Chloroform	67-66-3	ug/kg	2/9/2010	2/9/2010	1	0	1.1
UPR-200-E-64	299-E28-30	B23PW0	Chloroform	67-66-3	ug/kg	2/12/2010	2/12/2010	1	0	0.94
UPR-200-E-64	299-E28-30	B23PW1	Chloroform	67-66-3	ug/kg	2/22/2010	2/22/2010	1	0	1.1
UPR-200-E-64	299-E28-30	B235H1	Cobalt-60	10198-40-0	pCi/g	1/13/2010	1/13/2010	1	0	0.22
UPR-200-E-64	299-E28-30	B235J0	Cobalt-60	10198-40-0	pCi/g	1/14/2010	1/14/2010	1	0	0.22
UPR-200-E-64	299-E28-30	B235J6	Cobalt-60	10198-40-0	pCi/g	1/15/2010	1/15/2010	1	0	0.21
UPR-200-E-64	299-E28-30	B235K1	Cobalt-60	10198-40-0	pCi/g	1/19/2010	1/19/2010	1	0	0.27
UPR-200-E-64	299-E28-30	B235K5	Cobalt-60	10198-40-0	pCi/g	1/19/2010	1/19/2010	1	0	0.22
UPR-200-E-64	299-E28-30	B235L9	Cobalt-60	10198-40-0	pCi/g	1/25/2010	1/25/2010	1	0	0.24
UPR-200-E-64	299-E28-30	B235N9	Cobalt-60	10198-40-0	pCi/g	1/28/2010	1/28/2010	1	0	0.17
UPR-200-E-64	299-E28-30	B235R2	Cobalt-60	10198-40-0	pCi/g	2/1/2010	2/1/2010	1	0	0.18
UPR-200-E-64	299-E28-30	B235R9	Cobalt-60	10198-40-0	pCi/g	2/3/2010	2/3/2010	1	0	0.17
UPR-200-E-64	299-E28-30	B235T8	Cobalt-60	10198-40-0	pCi/g	2/8/2010	2/8/2010	1	0	0.19
UPR-200-E-64	299-E28-30	B23PV9	Cobalt-60	10198-40-0	pCi/g	2/9/2010	2/9/2010	1	0	0.027
UPR-200-E-64	299-E28-30	B23PW0	Cobalt-60	10198-40-0	pCi/g	2/12/2010	2/12/2010	1	0	0.029
UPR-200-E-64	299-E28-30	B23PW1	Cobalt-60	10198-40-0	pCi/g	2/22/2010	2/22/2010	1	0	0.024
UPR-200-E-64	299-E28-30	B235H1	Copper	7440-50-8	ug/kg	1/13/2010	1/13/2010	1	0	6,950
UPR-200-E-64	299-E28-30	B235J0	Copper	7440-50-8	ug/kg	1/14/2010	1/14/2010	1	0	6,810
UPR-200-E-64	299-E28-30	B235J6	Copper	7440-50-8	ug/kg	1/15/2010	1/15/2010	1	0	6,840
UPR-200-E-64	299-E28-30	B235K1	Copper	7440-50-8	ug/kg	1/19/2010	1/19/2010	1	0	7,090
UPR-200-E-64	299-E28-30	B235K5	Copper	7440-50-8	ug/kg	1/19/2010	1/19/2010	1	0	6,940
UPR-200-E-64	299-E28-30	B235L9	Copper	7440-50-8	ug/kg	1/25/2010	1/25/2010	1	0	6,870
UPR-200-E-64	299-E28-30	B235N9	Copper	7440-50-8	ug/kg	1/28/2010	1/28/2010	1	0	6,730
UPR-200-E-64	299-E28-30	B235R2	Copper	7440-50-8	ug/kg	2/1/2010	2/1/2010	1	0	6,680
UPR-200-E-64	299-E28-30	B235R9	Copper	7440-50-8	ug/kg	2/3/2010	2/3/2010	1	0	6,830
UPR-200-E-64	299-E28-30	B235H1	Cyanide	57-12-5	ug/kg	1/13/2010	1/13/2010	1	0	107
UPR-200-E-64	299-E28-30	B235J0	Cyanide	57-12-5	ug/kg	1/14/2010	1/14/2010	1	0	103
UPR-200-E-64	299-E28-30	B235J6	Cyanide	57-12-5	ug/kg	1/15/2010	1/15/2010	1	0	105
UPR-200-E-64	299-E28-30	B235K1	Cyanide	57-12-5	ug/kg	1/19/2010	1/19/2010	1	0	106
UPR-200-E-64	299-E28-30	B235K5	Cyanide	57-12-5	ug/kg	1/19/2010	1/19/2010	1	0	105
UPR-200-E-64	299-E28-30	B235L9	Cyanide	57-12-5	ug/kg	1/25/2010	1/25/2010	1	0	106
UPR-200-E-64	299-E28-30	B235N9	Cyanide	57-12-5	ug/kg	1/28/2010	1/28/2010	1	0	101
UPR-200-E-64	299-E28-30	B235R2	Cyanide	57-12-5	ug/kg	2/1/2010	2/1/2010	1	0	64
UPR-200-E-64	299-E28-30	B235R9	Cyanide	57-12-5	ug/kg	2/3/2010	2/3/2010	1	0	106
UPR-200-E-64	299-E28-30	B235T8	Cyanide	57-12-5	ug/kg	2/8/2010	2/8/2010	1	0	106
UPR-200-E-64	299-E28-30	B23PV9	Cyanide	57-12-5	ug/kg	2/9/2010	2/9/2010	1	0	200
UPR-200-E-64	299-E28-30	B23PW0	Cyanide	57-12-5	ug/kg	2/12/2010	2/12/2010	1	0	200
UPR-200-E-64	299-E28-30	B23PW1	Cyanide	57-12-5	ug/kg	2/22/2010	2/22/2010	1	0	200
UPR-200-E-64	299-E28-30	B23PV9	Diethylphthalate	84-66-2	ug/kg	2/9/2010	2/9/2010	1	0	460
UPR-200-E-64	299-E28-30	B23PW0	Diethylphthalate	84-66-2	ug/kg	2/12/2010	2/12/2010	1	0	420
UPR-200-E-64	299-E28-30	B23PW1	Diethylphthalate	84-66-2	ug/kg	2/22/2010	2/22/2010	1	0	510
UPR-200-E-64	299-E28-30	B23PV9	Di-n-butylphthalate	84-74-2	ug/kg	2/9/2010	2/9/2010	1	0	460
UPR-200-E-64	299-E28-30	B23PW0	Di-n-butylphthalate	84-74-2	ug/kg	2/12/2010	2/12/2010	1	0	420
UPR-200-E-64	299-E28-30	B23PW1	Di-n-butylphthalate	84-74-2	ug/kg	2/22/2010	2/22/2010	1	0	510
UPR-200-E-64	299-E28-30	B235H1	Europium-152	14683-23-9	pCi/g	1/13/2010	1/13/2010	1	0	1.1
UPR-200-E-64	299-E28-30	B235J0	Europium-152	14683-23-9	pCi/g	1/14/2010	1/14/2010	1	0	0.92
UPR-200-E-64	299-E28-30	B235J6	Europium-152	14683-23-9	pCi/g	1/15/2010	1/15/2010	1	0	0.95
UPR-200-E-64	299-E28-30	B235K1	Europium-152	14683-23-9	pCi/g	1/19/2010	1/19/2010	1	0	1.0
UPR-200-E-64	299-E28-30	B235K5	Europium-152	14683-23-9	pCi/g	1/19/2010	1/19/2010	1	0	0.98
UPR-200-E-64	299-E28-30	B235L9	Europium-152	14683-23-9	pCi/g	1/25/2010	1/25/2010	1	0	1.1
UPR-200-E-64	299-E28-30	B235N9	Europium-152	14683-23-9	pCi/g	1/28/2010	1/28/2010	1	0	0.88
UPR-200-E-64	299-E28-30	B235R2	Europium-152	14683-23-9	pCi/g	2/1/2010	2/1/2010	1	0	0.75
UPR-200-E-64	299-E28-30	B235R9	Europium-152	14683-23-9	pCi/g	2/3/2010	2/3/2010	1	0	0.81
UPR-200-E-64	299-E28-30	B235T8	Europium-152	14683-23-9	pCi/g	2/8/2010	2/8/2010	1	0	0.84

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-64	299-E28-30	B235H1	Europium-154	15585-10-1	pCi/g	1/13/2010	1/13/2010	1	0	0.64
UPR-200-E-64	299-E28-30	B235J0	Europium-154	15585-10-1	pCi/g	1/14/2010	1/14/2010	1	0	0.50
UPR-200-E-64	299-E28-30	B235J6	Europium-154	15585-10-1	pCi/g	1/15/2010	1/15/2010	1	0	0.61
UPR-200-E-64	299-E28-30	B235K1	Europium-154	15585-10-1	pCi/g	1/19/2010	1/19/2010	1	0	0.56
UPR-200-E-64	299-E28-30	B235K5	Europium-154	15585-10-1	pCi/g	1/19/2010	1/19/2010	1	0	0.59
UPR-200-E-64	299-E28-30	B235L9	Europium-154	15585-10-1	pCi/g	1/25/2010	1/25/2010	1	0	0.56
UPR-200-E-64	299-E28-30	B235N9	Europium-154	15585-10-1	pCi/g	1/28/2010	1/28/2010	1	0	0.52
UPR-200-E-64	299-E28-30	B235R2	Europium-154	15585-10-1	pCi/g	2/1/2010	2/1/2010	1	0	0.39
UPR-200-E-64	299-E28-30	B235R9	Europium-154	15585-10-1	pCi/g	2/3/2010	2/3/2010	1	0	0.48
UPR-200-E-64	299-E28-30	B235T8	Europium-154	15585-10-1	pCi/g	2/8/2010	2/8/2010	1	0	0.44
UPR-200-E-64	299-E28-30	B235H1	Europium-155	14391-16-3	pCi/g	1/13/2010	1/13/2010	1	0	1.0
UPR-200-E-64	299-E28-30	B235J0	Europium-155	14391-16-3	pCi/g	1/14/2010	1/14/2010	1	0	0.89
UPR-200-E-64	299-E28-30	B235J6	Europium-155	14391-16-3	pCi/g	1/15/2010	1/15/2010	1	0	1.0
UPR-200-E-64	299-E28-30	B235K1	Europium-155	14391-16-3	pCi/g	1/19/2010	1/19/2010	1	0	1.0
UPR-200-E-64	299-E28-30	B235K5	Europium-155	14391-16-3	pCi/g	1/19/2010	1/19/2010	1	0	0.94
UPR-200-E-64	299-E28-30	B235L9	Europium-155	14391-16-3	pCi/g	1/25/2010	1/25/2010	1	0	0.94
UPR-200-E-64	299-E28-30	B235N9	Europium-155	14391-16-3	pCi/g	1/28/2010	1/28/2010	1	0	0.80
UPR-200-E-64	299-E28-30	B235R2	Europium-155	14391-16-3	pCi/g	2/1/2010	2/1/2010	1	0	0.62
UPR-200-E-64	299-E28-30	B235R9	Europium-155	14391-16-3	pCi/g	2/3/2010	2/3/2010	1	0	0.73
UPR-200-E-64	299-E28-30	B235T8	Europium-155	14391-16-3	pCi/g	2/8/2010	2/8/2010	1	0	0.71
UPR-200-E-64	299-E28-30	B235H1	Fluoride	16984-48-8	ug/kg	1/13/2010	1/13/2010	1	0	1,990
UPR-200-E-64	299-E28-30	B235J0	Fluoride	16984-48-8	ug/kg	1/14/2010	1/14/2010	1	0	2,020
UPR-200-E-64	299-E28-30	B235J6	Fluoride	16984-48-8	ug/kg	1/15/2010	1/15/2010	1	0	20,000
UPR-200-E-64	299-E28-30	B235K1	Fluoride	16984-48-8	ug/kg	1/19/2010	1/19/2010	1	0	20,000
UPR-200-E-64	299-E28-30	B235K5	Fluoride	16984-48-8	ug/kg	1/19/2010	1/19/2010	1	0	2,000
UPR-200-E-64	299-E28-30	B235L9	Fluoride	16984-48-8	ug/kg	1/25/2010	1/25/2010	1	0	2,000
UPR-200-E-64	299-E28-30	B235H1	Gross alpha	12587-46-1	pCi/g	1/13/2010	1/13/2010	1	0	16
UPR-200-E-64	299-E28-30	B235J0	Gross alpha	12587-46-1	pCi/g	1/14/2010	1/14/2010	1	0	16
UPR-200-E-64	299-E28-30	B235J6	Gross alpha	12587-46-1	pCi/g	1/15/2010	1/15/2010	1	0	16
UPR-200-E-64	299-E28-30	B235K1	Gross alpha	12587-46-1	pCi/g	1/19/2010	1/19/2010	1	0	16
UPR-200-E-64	299-E28-30	B235K5	Gross alpha	12587-46-1	pCi/g	1/19/2010	1/19/2010	1	0	16
UPR-200-E-64	299-E28-30	B235L9	Gross alpha	12587-46-1	pCi/g	1/25/2010	1/25/2010	1	0	16
UPR-200-E-64	299-E28-30	B235N9	Gross alpha	12587-46-1	pCi/g	1/28/2010	1/28/2010	1	0	16
UPR-200-E-64	299-E28-30	B235R2	Gross alpha	12587-46-1	pCi/g	2/1/2010	2/1/2010	1	0	15
UPR-200-E-64	299-E28-30	B235R9	Gross alpha	12587-46-1	pCi/g	2/3/2010	2/3/2010	1	0	16
UPR-200-E-64	299-E28-30	B235T8	Gross alpha	12587-46-1	pCi/g	2/8/2010	2/8/2010	1	0	16
UPR-200-E-64	299-E28-30	B235H1	Gross beta	12587-47-2	pCi/g	1/13/2010	1/13/2010	1	0	48
UPR-200-E-64	299-E28-30	B235J0	Gross beta	12587-47-2	pCi/g	1/14/2010	1/14/2010	1	0	47
UPR-200-E-64	299-E28-30	B235J6	Gross beta	12587-47-2	pCi/g	1/15/2010	1/15/2010	1	0	47
UPR-200-E-64	299-E28-30	B235K1	Gross beta	12587-47-2	pCi/g	1/19/2010	1/19/2010	1	0	49
UPR-200-E-64	299-E28-30	B235K5	Gross beta	12587-47-2	pCi/g	1/19/2010	1/19/2010	1	0	48
UPR-200-E-64	299-E28-30	B235L9	Gross beta	12587-47-2	pCi/g	1/25/2010	1/25/2010	1	0	48
UPR-200-E-64	299-E28-30	B235N9	Gross beta	12587-47-2	pCi/g	1/28/2010	1/28/2010	1	0	47
UPR-200-E-64	299-E28-30	B235R2	Gross beta	12587-47-2	pCi/g	2/1/2010	2/1/2010	1	0	46
UPR-200-E-64	299-E28-30	B235R9	Gross beta	12587-47-2	pCi/g	2/3/2010	2/3/2010	1	0	47
UPR-200-E-64	299-E28-30	B235T8	Gross beta	12587-47-2	pCi/g	2/8/2010	2/8/2010	1	0	48
UPR-200-E-64	299-E28-30	B235H1	Hexavalent Chromium	18540-29-9	ug/kg	1/13/2010	1/13/2010	1	0	522
UPR-200-E-64	299-E28-30	B235J0	Hexavalent Chromium	18540-29-9	ug/kg	1/14/2010	1/14/2010	1	0	517
UPR-200-E-64	299-E28-30	B235J6	Hexavalent Chromium	18540-29-9	ug/kg	1/15/2010	1/15/2010	1	0	518
UPR-200-E-64	299-E28-30	B235K1	Hexavalent Chromium	18540-29-9	ug/kg	1/19/2010	1/19/2010	1	0	520
UPR-200-E-64	299-E28-30	B235K5	Hexavalent Chromium	18540-29-9	ug/kg	1/19/2010	1/19/2010	1	0	521
UPR-200-E-64	299-E28-30	B235L9	Hexavalent Chromium	18540-29-9	ug/kg	1/25/2010	1/25/2010	1	0	525
UPR-200-E-64	299-E28-30	B235N9	Hexavalent Chromium	18540-29-9	ug/kg	1/28/2010	1/28/2010	1	0	504
UPR-200-E-64	299-E28-30	B235R2	Hexavalent Chromium	18540-29-9	ug/kg	2/1/2010	2/1/2010	1	0	508

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-64	299-E28-30	B235R9	Hexavalent Chromium	18540-29-9	ug/kg	2/3/2010	2/3/2010	1	0	506
UPR-200-E-64	299-E28-30	B235T8	Hexavalent Chromium	18540-29-9	ug/kg	2/8/2010	2/8/2010	1	0	525
UPR-200-E-64	299-E28-30	B23PV9	Hexavalent Chromium	18540-29-9	ug/kg	2/9/2010	2/9/2010	1	0	100
UPR-200-E-64	299-E28-30	B23PW0	Hexavalent Chromium	18540-29-9	ug/kg	2/12/2010	2/12/2010	1	0	100
UPR-200-E-64	299-E28-30	B235H1	Lead	7439-92-1	ug/kg	1/13/2010	1/13/2010	1	0	10,900
UPR-200-E-64	299-E28-30	B235J0	Lead	7439-92-1	ug/kg	1/14/2010	1/14/2010	1	0	10,600
UPR-200-E-64	299-E28-30	B235J6	Lead	7439-92-1	ug/kg	1/15/2010	1/15/2010	1	0	10,700
UPR-200-E-64	299-E28-30	B235K1	Lead	7439-92-1	ug/kg	1/19/2010	1/19/2010	1	0	11,100
UPR-200-E-64	299-E28-30	B235K5	Lead	7439-92-1	ug/kg	1/19/2010	1/19/2010	1	0	10,900
UPR-200-E-64	299-E28-30	B235L9	Lead	7439-92-1	ug/kg	1/25/2010	1/25/2010	1	0	10,800
UPR-200-E-64	299-E28-30	B235N9	Lead	7439-92-1	ug/kg	1/28/2010	1/28/2010	1	0	10,500
UPR-200-E-64	299-E28-30	B235R2	Lead	7439-92-1	ug/kg	2/1/2010	2/1/2010	1	0	10,400
UPR-200-E-64	299-E28-30	B235R9	Lead	7439-92-1	ug/kg	2/3/2010	2/3/2010	1	0	10,700
UPR-200-E-64	299-E28-30	B235T8	Lead	7439-92-1	ug/kg	2/8/2010	2/8/2010	1	0	10,900
UPR-200-E-64	299-E28-30	B235H1	Mercury	7439-97-6	ug/kg	1/13/2010	1/13/2010	1	0	164
UPR-200-E-64	299-E28-30	B235J0	Mercury	7439-97-6	ug/kg	1/14/2010	1/14/2010	1	0	161
UPR-200-E-64	299-E28-30	B235J6	Mercury	7439-97-6	ug/kg	1/15/2010	1/15/2010	1	0	162
UPR-200-E-64	299-E28-30	B235K1	Mercury	7439-97-6	ug/kg	1/19/2010	1/19/2010	1	0	168
UPR-200-E-64	299-E28-30	B235K5	Mercury	7439-97-6	ug/kg	1/19/2010	1/19/2010	1	0	164
UPR-200-E-64	299-E28-30	B235L9	Mercury	7439-97-6	ug/kg	1/25/2010	1/25/2010	1	0	163
UPR-200-E-64	299-E28-30	B235N9	Mercury	7439-97-6	ug/kg	1/28/2010	1/28/2010	1	0	159
UPR-200-E-64	299-E28-30	B235R2	Mercury	7439-97-6	ug/kg	2/1/2010	2/1/2010	1	0	158
UPR-200-E-64	299-E28-30	B235R9	Mercury	7439-97-6	ug/kg	2/3/2010	2/3/2010	1	0	162
UPR-200-E-64	299-E28-30	B235T8	Mercury	7439-97-6	ug/kg	2/8/2010	2/8/2010	1	0	165
UPR-200-E-64	299-E28-30	B23PV9	Mercury	7439-97-6	ug/kg	2/9/2010	2/9/2010	1	0	49
UPR-200-E-64	299-E28-30	B23PW0	Mercury	7439-97-6	ug/kg	2/12/2010	2/12/2010	1	0	50
UPR-200-E-64	299-E28-30	B23PW1	Mercury	7439-97-6	ug/kg	2/22/2010	2/22/2010	1	0	49
UPR-200-E-64	299-E28-30	B23PV9	Methylene chloride	75-09-2	ug/kg	2/9/2010	2/9/2010	1	0	1.1
UPR-200-E-64	299-E28-30	B23PW0	Methylene chloride	75-09-2	ug/kg	2/12/2010	2/12/2010	1	0	0.94
UPR-200-E-64	299-E28-30	B23PW1	Methylene chloride	75-09-2	ug/kg	2/22/2010	2/22/2010	1	0	1.1
UPR-200-E-64	299-E28-30	B23PW1	Nitrate	14797-55-8	ug/kg	2/22/2010	2/22/2010	1	0	6,730
UPR-200-E-64	299-E28-30	B235H1	Nitrite	14797-65-0	ug/kg	1/13/2010	1/13/2010	1	0	9,950
UPR-200-E-64	299-E28-30	B235J0	Nitrite	14797-65-0	ug/kg	1/14/2010	1/14/2010	1	0	10,100
UPR-200-E-64	299-E28-30	B235J6	Nitrite	14797-65-0	ug/kg	1/15/2010	1/15/2010	1	0	100,000
UPR-200-E-64	299-E28-30	B235K1	Nitrite	14797-65-0	ug/kg	1/19/2010	1/19/2010	1	0	100,000
UPR-200-E-64	299-E28-30	B235K5	Nitrite	14797-65-0	ug/kg	1/19/2010	1/19/2010	1	0	10,000
UPR-200-E-64	299-E28-30	B235L9	Nitrite	14797-65-0	ug/kg	1/25/2010	1/25/2010	1	0	10,000
UPR-200-E-64	299-E28-30	B235N9	Nitrite	14797-65-0	ug/kg	1/28/2010	1/28/2010	1	0	998
UPR-200-E-64	299-E28-30	B235R9	Nitrite	14797-65-0	ug/kg	2/3/2010	2/3/2010	1	0	1,000
UPR-200-E-64	299-E28-30	B235T8	Nitrite	14797-65-0	ug/kg	2/8/2010	2/8/2010	1	0	998
UPR-200-E-64	299-E28-30	B23PV9	Nitrite	14797-65-0	ug/kg	2/9/2010	2/9/2010	1	0	2,960
UPR-200-E-64	299-E28-30	B23PW0	Nitrite	14797-65-0	ug/kg	2/12/2010	2/12/2010	1	0	2,920
UPR-200-E-64	299-E28-30	B23PW1	Nitrite	14797-65-0	ug/kg	2/22/2010	2/22/2010	1	0	2,900
UPR-200-E-64	299-E28-30	B23PV9	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	2/9/2010	2/9/2010	1	0	170
UPR-200-E-64	299-E28-30	B23PW0	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	2/12/2010	2/12/2010	1	0	160
UPR-200-E-64	299-E28-30	B23PW1	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	2/22/2010	2/22/2010	1	0	190
UPR-200-E-64	299-E28-30	B23PV9	Phenol	108-95-2	ug/kg	2/9/2010	2/9/2010	1	0	170
UPR-200-E-64	299-E28-30	B23PW0	Phenol	108-95-2	ug/kg	2/12/2010	2/12/2010	1	0	160
UPR-200-E-64	299-E28-30	B23PW1	Phenol	108-95-2	ug/kg	2/22/2010	2/22/2010	1	0	190
UPR-200-E-64	299-E28-30	B235H1	Phosphate	14265-44-2	ug/kg	1/13/2010	1/13/2010	1	0	14,900
UPR-200-E-64	299-E28-30	B235J0	Phosphate	14265-44-2	ug/kg	1/14/2010	1/14/2010	1	0	15,100
UPR-200-E-64	299-E28-30	B235J6	Phosphate	14265-44-2	ug/kg	1/15/2010	1/15/2010	1	0	150,000
UPR-200-E-64	299-E28-30	B235K1	Phosphate	14265-44-2	ug/kg	1/19/2010	1/19/2010	1	0	150,000
UPR-200-E-64	299-E28-30	B235K5	Phosphate	14265-44-2	ug/kg	1/19/2010	1/19/2010	1	0	15,000

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-64	299-E28-30	B235L9	Phosphate	14265-44-2	ug/kg	1/25/2010	1/25/2010	1	0	15,000
UPR-200-E-64	299-E28-30	B235N9	Phosphate	14265-44-2	ug/kg	1/28/2010	1/28/2010	1	0	1,500
UPR-200-E-64	299-E28-30	B235R2	Phosphate	14265-44-2	ug/kg	2/1/2010	2/1/2010	1	0	1,500
UPR-200-E-64	299-E28-30	B235R9	Phosphate	14265-44-2	ug/kg	2/3/2010	2/3/2010	1	0	1,500
UPR-200-E-64	299-E28-30	B235T8	Phosphate	14265-44-2	ug/kg	2/8/2010	2/8/2010	1	0	1,500
UPR-200-E-64	299-E28-30	B23PV9	Plutonium-238	13981-16-3	pCi/g	2/9/2010	2/9/2010	1	0	0.048
UPR-200-E-64	299-E28-30	B23PW0	Plutonium-238	13981-16-3	pCi/g	2/12/2010	2/12/2010	1	0	0.018
UPR-200-E-64	299-E28-30	B23PW1	Plutonium-238	13981-16-3	pCi/g	2/22/2010	2/22/2010	1	0	0.044
UPR-200-E-64	299-E28-30	B23PW1	Plutonium-239/240	PU-239/240	pCi/g	2/22/2010	2/22/2010	1	0	0.0049
UPR-200-E-64	299-E28-30	B23PV9	Pyrene	129-00-0	ug/kg	2/9/2010	2/9/2010	1	0	170
UPR-200-E-64	299-E28-30	B23PW0	Pyrene	129-00-0	ug/kg	2/12/2010	2/12/2010	1	0	160
UPR-200-E-64	299-E28-30	B23PW1	Pyrene	129-00-0	ug/kg	2/22/2010	2/22/2010	1	0	190
UPR-200-E-64	299-E28-30	B235H1	Selenium	7782-49-2	ug/kg	1/13/2010	1/13/2010	1	0	61,600
UPR-200-E-64	299-E28-30	B235J0	Selenium	7782-49-2	ug/kg	1/14/2010	1/14/2010	1	0	60,400
UPR-200-E-64	299-E28-30	B235J6	Selenium	7782-49-2	ug/kg	1/15/2010	1/15/2010	1	0	60,700
UPR-200-E-64	299-E28-30	B235K1	Selenium	7782-49-2	ug/kg	1/19/2010	1/19/2010	1	0	62,900
UPR-200-E-64	299-E28-30	B235K5	Selenium	7782-49-2	ug/kg	1/19/2010	1/19/2010	1	0	61,600
UPR-200-E-64	299-E28-30	B235L9	Selenium	7782-49-2	ug/kg	1/25/2010	1/25/2010	1	0	61,000
UPR-200-E-64	299-E28-30	B235N9	Selenium	7782-49-2	ug/kg	1/28/2010	1/28/2010	1	0	59,700
UPR-200-E-64	299-E28-30	B235R2	Selenium	7782-49-2	ug/kg	2/1/2010	2/1/2010	1	0	59,300
UPR-200-E-64	299-E28-30	B235R9	Selenium	7782-49-2	ug/kg	2/3/2010	2/3/2010	1	0	60,600
UPR-200-E-64	299-E28-30	B235T8	Selenium	7782-49-2	ug/kg	2/8/2010	2/8/2010	1	0	61,700
UPR-200-E-64	299-E28-30	B23PV9	Silver	7440-22-4	ug/kg	2/9/2010	2/9/2010	1	0	98
UPR-200-E-64	299-E28-30	B23PW0	Silver	7440-22-4	ug/kg	2/12/2010	2/12/2010	1	0	99
UPR-200-E-64	299-E28-30	B23PV9	Strontium-90	10098-97-2	pCi/g	2/9/2010	2/9/2010	1	0	0.42
UPR-200-E-64	299-E28-30	B23PW0	Strontium-90	10098-97-2	pCi/g	2/12/2010	2/12/2010	1	0	0.43
UPR-200-E-64	299-E28-30	B23PW1	Strontium-90	10098-97-2	pCi/g	2/22/2010	2/22/2010	1	0	0.42
UPR-200-E-64	299-E28-30	B23PV9	Styrene	100-42-5	ug/kg	2/9/2010	2/9/2010	1	0	1.1
UPR-200-E-64	299-E28-30	B23PW0	Styrene	100-42-5	ug/kg	2/12/2010	2/12/2010	1	0	0.94
UPR-200-E-64	299-E28-30	B23PW1	Styrene	100-42-5	ug/kg	2/22/2010	2/22/2010	1	0	1.1
UPR-200-E-64	299-E28-30	B235J6	Sulfate	14808-79-8	ug/kg	1/15/2010	1/15/2010	1	0	150,000
UPR-200-E-64	299-E28-30	B235K1	Sulfate	14808-79-8	ug/kg	1/19/2010	1/19/2010	1	0	150,000
UPR-200-E-64	299-E28-30	B235K5	Sulfate	14808-79-8	ug/kg	1/19/2010	1/19/2010	1	0	15,000
UPR-200-E-64	299-E28-30	B235L9	Sulfate	14808-79-8	ug/kg	1/25/2010	1/25/2010	1	0	15,000
UPR-200-E-64	299-E28-30	B23PV9	Technetium-99	14133-76-7	pCi/g	2/9/2010	2/9/2010	1	0	0.30
UPR-200-E-64	299-E28-30	B23PW0	Technetium-99	14133-76-7	pCi/g	2/12/2010	2/12/2010	1	0	0.30
UPR-200-E-64	299-E28-30	B23PW1	Technetium-99	14133-76-7	pCi/g	2/22/2010	2/22/2010	1	0	0.30
UPR-200-E-64	299-E28-30	B235H1	Thallium	7440-28-0	ug/kg	1/13/2010	1/13/2010	1	0	34,800
UPR-200-E-64	299-E28-30	B235J0	Thallium	7440-28-0	ug/kg	1/14/2010	1/14/2010	1	0	34,200
UPR-200-E-64	299-E28-30	B235J6	Thallium	7440-28-0	ug/kg	1/15/2010	1/15/2010	1	0	34,300
UPR-200-E-64	299-E28-30	B235K1	Thallium	7440-28-0	ug/kg	1/19/2010	1/19/2010	1	0	35,600
UPR-200-E-64	299-E28-30	B235K5	Thallium	7440-28-0	ug/kg	1/19/2010	1/19/2010	1	0	34,800
UPR-200-E-64	299-E28-30	B235L9	Thallium	7440-28-0	ug/kg	1/25/2010	1/25/2010	1	0	34,500
UPR-200-E-64	299-E28-30	B235N9	Thallium	7440-28-0	ug/kg	1/28/2010	1/28/2010	1	0	33,800
UPR-200-E-64	299-E28-30	B235R2	Thallium	7440-28-0	ug/kg	2/1/2010	2/1/2010	1	0	33,500
UPR-200-E-64	299-E28-30	B235R9	Thallium	7440-28-0	ug/kg	2/3/2010	2/3/2010	1	0	34,300
UPR-200-E-64	299-E28-30	B235T8	Thallium	7440-28-0	ug/kg	2/8/2010	2/8/2010	1	0	34,900
UPR-200-E-64	299-E28-30	B23PV9	Thallium	7440-28-0	ug/kg	2/9/2010	2/9/2010	1	0	98
UPR-200-E-64	299-E28-30	B23PW0	Thallium	7440-28-0	ug/kg	2/12/2010	2/12/2010	1	0	99
UPR-200-E-64	299-E28-30	B23PW1	Thallium	7440-28-0	ug/kg	2/22/2010	2/22/2010	1	0	97
UPR-200-E-64	299-E28-30	B23PV9	Thorium-230	14269-63-7	pCi/g	2/9/2010	2/9/2010	1	0	0.41
UPR-200-E-64	299-E28-30	B23PW0	Thorium-230	14269-63-7	pCi/g	2/12/2010	2/12/2010	1	0	0.43
UPR-200-E-64	299-E28-30	B23PW1	Thorium-230	14269-63-7	pCi/g	2/22/2010	2/22/2010	1	0	0.54
UPR-200-E-64	299-E28-30	B23PV9	Toluene	108-88-3	ug/kg	2/9/2010	2/9/2010	1	0	1.1

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-64	299-E28-30	B23PW0	Toluene	108-88-3	ug/kg	2/12/2010	2/12/2010	1	0	0.94
UPR-200-E-64	299-E28-30	B23PW1	Toluene	108-88-3	ug/kg	2/22/2010	2/22/2010	1	0	1.1
UPR-200-E-64	299-E28-30	B235H1	Total organic carbon	TOC	ug/kg	1/13/2010	1/13/2010	1	0	200,000
UPR-200-E-64	299-E28-30	B235J0	Total organic carbon	TOC	ug/kg	1/14/2010	1/14/2010	1	0	200,000
UPR-200-E-64	299-E28-30	B235K1	Total organic carbon	TOC	ug/kg	1/19/2010	1/19/2010	1	0	200,000
UPR-200-E-64	299-E28-30	B235K5	Total organic carbon	TOC	ug/kg	1/19/2010	1/19/2010	1	0	200,000
UPR-200-E-64	299-E28-30	B235L9	Total organic carbon	TOC	ug/kg	1/25/2010	1/25/2010	1	0	200,000
UPR-200-E-64	299-E28-30	B235N9	Total organic carbon	TOC	ug/kg	1/28/2010	1/28/2010	1	0	200,000
UPR-200-E-64	299-E28-30	B235R2	Total organic carbon	TOC	ug/kg	2/1/2010	2/1/2010	1	0	200,000
UPR-200-E-64	299-E28-30	B235R9	Total organic carbon	TOC	ug/kg	2/3/2010	2/3/2010	1	0	200,000
UPR-200-E-64	299-E28-30	B23PV8	Tritium	10028-17-8	pCi/g	2/9/2010	2/9/2010	1	0	6.6
UPR-200-E-64	299-E28-30	B23PW1	Tritium	10028-17-8	pCi/g	2/22/2010	2/22/2010	1	0	8.1
UPR-200-E-64	299-E28-30	B23PW1	Uranium-235	15117-96-1	pCi/g	2/22/2010	2/22/2010	1	0	0.023
UPR-200-E-64	C5942	B1TFN0	2-Butanone	78-93-3	ug/kg	2/13/2008	2/13/2008	1	0	1.4
UPR-200-E-64	C5942	B1TFN0	Acetone	67-64-1	ug/kg	2/13/2008	2/13/2008	1	0	3.9
UPR-200-E-64	C5942	B1TFR3	Antimony-125	14234-35-6	pCi/g	2/13/2008	2/13/2008	1	0	14
UPR-200-E-64	C5942	B1TFT2	Antimony-125	14234-35-6	pCi/g	2/14/2008	2/14/2008	1	0	0.026
UPR-200-E-64	C5942	B1TFP2	Aroclor-1260	11096-82-5	ug/kg	2/13/2008	2/13/2008	1	0	2.8
UPR-200-E-64	C5942	B1TFN9	Cadmium	7440-43-9	ug/kg	2/11/2008	2/11/2008	1	0	100
UPR-200-E-64	C5942	B1TFP0	Cadmium	7440-43-9	ug/kg	2/12/2008	2/12/2008	1	0	99
UPR-200-E-64	C5942	B1TFP1	Cadmium	7440-43-9	ug/kg	2/13/2008	2/13/2008	1	0	130
UPR-200-E-64	C5942	B1TFP3	Cadmium	7440-43-9	ug/kg	2/14/2008	2/14/2008	1	0	96
UPR-200-E-64	C5942	B1TFP4	Cadmium	7440-43-9	ug/kg	2/19/2008	2/19/2008	1	0	96
UPR-200-E-64	C5942	B1TFR4	Cesium-134	13967-70-9	pCi/g	2/13/2008	2/13/2008	1	0	1.4
UPR-200-E-64	C5942	B1TFT2	Cesium-134	13967-70-9	pCi/g	2/14/2008	2/14/2008	1	0	0.015
UPR-200-E-64	C5942	B1TFN0	Chloroform	67-66-3	ug/kg	2/13/2008	2/13/2008	1	0	0.14
UPR-200-E-64	C5942	B1TFN9	Cobalt-60	10198-40-0	pCi/g	2/11/2008	2/11/2008	1	0	0.013
UPR-200-E-64	C5942	B1TFP0	Cobalt-60	10198-40-0	pCi/g	2/12/2008	2/12/2008	1	0	0.064
UPR-200-E-64	C5942	B1TFP3	Cobalt-60	10198-40-0	pCi/g	2/14/2008	2/14/2008	1	0	0.010
UPR-200-E-64	C5942	B1TFP4	Cobalt-60	10198-40-0	pCi/g	2/19/2008	2/19/2008	1	0	0.010
UPR-200-E-64	C5942	B1TFR4	Cobalt-60	10198-40-0	pCi/g	2/13/2008	2/13/2008	1	0	0.26
UPR-200-E-64	C5942	B1TFN9	Europium-152	14683-23-9	pCi/g	2/11/2008	2/11/2008	1	0	0.036
UPR-200-E-64	C5942	B1TFP0	Europium-152	14683-23-9	pCi/g	2/12/2008	2/12/2008	1	0	0.98
UPR-200-E-64	C5942	B1TFP4	Europium-152	14683-23-9	pCi/g	2/19/2008	2/19/2008	1	0	0.030
UPR-200-E-64	C5942	B1TFR3	Europium-152	14683-23-9	pCi/g	2/13/2008	2/13/2008	1	0	11
UPR-200-E-64	C5942	B1TFT2	Europium-152	14683-23-9	pCi/g	2/14/2008	2/14/2008	1	0	0.028
UPR-200-E-64	C5942	B1TFN9	Europium-154	15585-10-1	pCi/g	2/11/2008	2/11/2008	1	0	0.039
UPR-200-E-64	C5942	B1TFP4	Europium-154	15585-10-1	pCi/g	2/19/2008	2/19/2008	1	0	0.032
UPR-200-E-64	C5942	B1TFR4	Europium-154	15585-10-1	pCi/g	2/13/2008	2/13/2008	1	0	3.6
UPR-200-E-64	C5942	B1TFT2	Europium-154	15585-10-1	pCi/g	2/14/2008	2/14/2008	1	0	0.036
UPR-200-E-64	C5942	B1TFN9	Europium-155	14391-16-3	pCi/g	2/11/2008	2/11/2008	1	0	0.053
UPR-200-E-64	C5942	B1TFP0	Europium-155	14391-16-3	pCi/g	2/12/2008	2/12/2008	1	0	1.1
UPR-200-E-64	C5942	B1TFP4	Europium-155	14391-16-3	pCi/g	2/19/2008	2/19/2008	1	0	0.047
UPR-200-E-64	C5942	B1TFR3	Europium-155	14391-16-3	pCi/g	2/13/2008	2/13/2008	1	0	5.9
UPR-200-E-64	C5942	B1TFT2	Europium-155	14391-16-3	pCi/g	2/14/2008	2/14/2008	1	0	0.036
UPR-200-E-64	C5942	B1TFN9	Fluoride	16984-48-8	ug/kg	2/11/2008	2/11/2008	1	0	294
UPR-200-E-64	C5942	B1TFP0	Fluoride	16984-48-8	ug/kg	2/12/2008	2/12/2008	1	0	300
UPR-200-E-64	C5942	B1TFP3	Fluoride	16984-48-8	ug/kg	2/14/2008	2/14/2008	1	0	294
UPR-200-E-64	C5942	B1TFP4	Fluoride	16984-48-8	ug/kg	2/19/2008	2/19/2008	1	0	300
UPR-200-E-64	C5942	B1TFP7	Fluoride	16984-48-8	ug/kg	2/13/2008	2/13/2008	1	0	2,300
UPR-200-E-64	C5942	B1TFN0	Hexane	110-54-3	ug/kg	2/13/2008	2/13/2008	1	0	0.46
UPR-200-E-64	C5942	B1TFN9	Mercury	7439-97-6	ug/kg	2/11/2008	2/11/2008	1	0	50
UPR-200-E-64	C5942	B1TFP4	Mercury	7439-97-6	ug/kg	2/19/2008	2/19/2008	1	0	48
UPR-200-E-64	C5942	B1TFR9	Mercury	7439-97-6	ug/kg	2/14/2008	2/14/2008	1	0	13

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-64	C5942	B1TFR1	Nickel-63	13981-37-8	pCi/g	2/11/2008	2/11/2008	1	0	3.4
UPR-200-E-64	C5942	B1TFR2	Nickel-63	13981-37-8	pCi/g	2/12/2008	2/12/2008	1	0	6.3
UPR-200-E-64	C5942	B1TFR3	Nickel-63	13981-37-8	pCi/g	2/13/2008	2/13/2008	1	0	15
UPR-200-E-64	C5942	B1TFR5	Nickel-63	13981-37-8	pCi/g	2/14/2008	2/14/2008	1	0	3.3
UPR-200-E-64	C5942	B1TFR6	Nickel-63	13981-37-8	pCi/g	2/19/2008	2/19/2008	1	0	3.4
UPR-200-E-64	C5942	B1TFP7	Nitrate	14797-55-8	ug/kg	2/13/2008	2/13/2008	1	0	4,590
UPR-200-E-64	C5942	B1TFN9	Nitrite	14797-65-0	ug/kg	2/11/2008	2/11/2008	1	0	1,610
UPR-200-E-64	C5942	B1TFP0	Nitrite	14797-65-0	ug/kg	2/12/2008	2/12/2008	1	0	1,640
UPR-200-E-64	C5942	B1TFP3	Nitrite	14797-65-0	ug/kg	2/14/2008	2/14/2008	1	0	1,610
UPR-200-E-64	C5942	B1TFP4	Nitrite	14797-65-0	ug/kg	2/19/2008	2/19/2008	1	0	1,640
UPR-200-E-64	C5942	B1TFP7	Nitrite	14797-65-0	ug/kg	2/13/2008	2/13/2008	1	0	4,590
UPR-200-E-64	C5942	B1TFN9	Plutonium-238	13981-16-3	pCi/g	2/11/2008	2/11/2008	1	0	0.049
UPR-200-E-64	C5942	B1TFP4	Plutonium-238	13981-16-3	pCi/g	2/19/2008	2/19/2008	1	0	0.027
UPR-200-E-64	C5942	B1TFR4	Plutonium-238	13981-16-3	pCi/g	2/13/2008	2/13/2008	1	0	0.56
UPR-200-E-64	C5942	B1TFT2	Plutonium-238	13981-16-3	pCi/g	2/14/2008	2/14/2008	1	0	0.12
UPR-200-E-64	C5942	B1TFT2	Plutonium-239/240	PU-239/240	pCi/g	2/14/2008	2/14/2008	1	0	0.050
UPR-200-E-64	C5942	B1TFR3	Ruthenium-106	13967-48-1	pCi/g	2/13/2008	2/13/2008	1	0	27
UPR-200-E-64	C5942	B1TFT2	Ruthenium-106	13967-48-1	pCi/g	2/14/2008	2/14/2008	1	0	0.098
UPR-200-E-64	C5942	B1TFP1	Selenium	7782-49-2	ug/kg	2/13/2008	2/13/2008	1	0	920
UPR-200-E-64	C5942	B1TFN9	Silver	7440-22-4	ug/kg	2/11/2008	2/11/2008	1	0	100
UPR-200-E-64	C5942	B1TFP0	Silver	7440-22-4	ug/kg	2/12/2008	2/12/2008	1	0	99
UPR-200-E-64	C5942	B1TFP2	Silver	7440-22-4	ug/kg	2/13/2008	2/13/2008	1	0	380
UPR-200-E-64	C5942	B1TFP3	Silver	7440-22-4	ug/kg	2/14/2008	2/14/2008	1	0	96
UPR-200-E-64	C5942	B1TFP4	Silver	7440-22-4	ug/kg	2/19/2008	2/19/2008	1	0	96
UPR-200-E-64	C5942	B1TFN9	Strontium-90	10098-97-2	pCi/g	2/11/2008	2/11/2008	1	0	0.48
UPR-200-E-64	C5942	B1TFP0	Strontium-90	10098-97-2	pCi/g	2/12/2008	2/12/2008	1	0	12
UPR-200-E-64	C5942	B1TFP4	Strontium-90	10098-97-2	pCi/g	2/19/2008	2/19/2008	1	0	0.54
UPR-200-E-64	C5942	B1TFN0	Styrene	100-42-5	ug/kg	2/13/2008	2/13/2008	1	0	1.2
UPR-200-E-64	C5942	B1TFP4	Sulfate	14808-79-8	ug/kg	2/19/2008	2/19/2008	1	0	3,500
UPR-200-E-64	C5942	B1TFR1	Technetium-99	14133-76-7	pCi/g	2/11/2008	2/11/2008	1	0	0.39
UPR-200-E-64	C5942	B1TFR2	Technetium-99	14133-76-7	pCi/g	2/12/2008	2/12/2008	1	0	0.74
UPR-200-E-64	C5942	B1TFR3	Technetium-99	14133-76-7	pCi/g	2/13/2008	2/13/2008	1	0	1.2
UPR-200-E-64	C5942	B1TFR5	Technetium-99	14133-76-7	pCi/g	2/14/2008	2/14/2008	1	0	0.41
UPR-200-E-64	C5942	B1TFR6	Technetium-99	14133-76-7	pCi/g	2/19/2008	2/19/2008	1	0	0.46
UPR-200-E-64	C5942	B1TFN0	Tetrahydrofuran	109-99-9	ug/kg	2/13/2008	2/13/2008	1	0	6.7
UPR-200-E-64	C5942	B1TFR3	Thorium-228	14274-82-9	pCi/g	2/13/2008	2/13/2008	1	0	3.4
UPR-200-E-64	C5942	B1TFR3	Thorium-230	14269-63-7	pCi/g	2/13/2008	2/13/2008	1	0	2.1
UPR-200-E-64	C5942	B1TFR3	Thorium-232	TH-232	pCi/g	2/13/2008	2/13/2008	1	0	2.1
UPR-200-E-64	C5942	B1TFN0	Toluene	108-88-3	ug/kg	2/13/2008	2/13/2008	1	0	0.13
UPR-200-E-64	C5942	B1TFP2	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	2/13/2008	2/13/2008	1	0	1,600
UPR-200-E-64	C5942	B1TFP1	Tributyl phosphate	126-73-8	ug/kg	2/13/2008	2/13/2008	1	0	35
UPR-200-E-64	C5942	B1TFR1	Tritium	10028-17-8	pCi/g	2/11/2008	2/11/2008	1	0	4.0
UPR-200-E-64	C5942	B1TFR2	Tritium	10028-17-8	pCi/g	2/12/2008	2/12/2008	1	0	4.2
UPR-200-E-64	C5942	B1TFR3	Tritium	10028-17-8	pCi/g	2/13/2008	2/13/2008	1	0	5.0
UPR-200-E-64	C5942	B1TFR6	Tritium	10028-17-8	pCi/g	2/19/2008	2/19/2008	1	0	4.3
UPR-200-E-64	C5942	B1TFR3	Uranium-233/234	U-233/234	pCi/g	2/13/2008	2/13/2008	1	0	0.63
UPR-200-E-64	C5942	B1TFP0	Uranium-235	15117-96-1	pCi/g	2/12/2008	2/12/2008	1	0	1.3
UPR-200-E-64	C5942	B1TFR3	Uranium-235	15117-96-1	pCi/g	2/13/2008	2/13/2008	1	0	0.76
UPR-200-E-64	C5942	B1TFR3	Uranium-238	U-238	pCi/g	2/13/2008	2/13/2008	1	0	0.63
UPR-200-E-89	299-E33-341	B1TNT0	2-Butanone	78-93-3	ug/kg	5/22/2008	5/22/2008	1	0	0.88
UPR-200-E-89	299-E33-341	B1TNT3	2-Butanone	78-93-3	ug/kg	5/22/2008	5/22/2008	1	0	0.96
UPR-200-E-89	299-E33-341	B1TNT0	Acetone	67-64-1	ug/kg	5/22/2008	5/22/2008	1	0	0.88
UPR-200-E-89	299-E33-341	B1TNT3	Acetone	67-64-1	ug/kg	5/22/2008	5/22/2008	1	0	0.96

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	299-E33-341	B1TP47	Alkalinity	ALKALINITY	ug/kg	5/1/2008	5/1/2008	1	0	23,300
UPR-200-E-89	299-E33-341	B1TP49	Alkalinity	ALKALINITY	ug/kg	5/1/2008	5/1/2008	1	0	23,500
UPR-200-E-89	299-E33-341	B1TP53	Alkalinity	ALKALINITY	ug/kg	5/8/2008	5/8/2008	1	0	23,500
UPR-200-E-89	299-E33-341	B1TNW0	Antimony	7440-36-0	ug/kg	4/30/2008	4/30/2008	1	0	78
UPR-200-E-89	299-E33-341	B1TNW1	Antimony	7440-36-0	ug/kg	4/30/2008	4/30/2008	1	0	77
UPR-200-E-89	299-E33-341	B1TNW3	Antimony	7440-36-0	ug/kg	4/30/2008	4/30/2008	1	0	77
UPR-200-E-89	299-E33-341	B1TP22	Antimony	7440-36-0	ug/kg	4/29/2008	4/29/2008	1	0	77
UPR-200-E-89	299-E33-341	B1TP24	Antimony	7440-36-0	ug/kg	4/29/2008	4/29/2008	1	0	79
UPR-200-E-89	299-E33-341	B1TP26	Antimony	7440-36-0	ug/kg	4/29/2008	4/29/2008	1	0	77
UPR-200-E-89	299-E33-341	B1TP28	Antimony	7440-36-0	ug/kg	4/29/2008	4/29/2008	1	0	77
UPR-200-E-89	299-E33-341	B1TP29	Antimony	7440-36-0	ug/kg	4/29/2008	4/29/2008	1	0	76
UPR-200-E-89	299-E33-341	B1TP30	Antimony	7440-36-0	ug/kg	4/29/2008	4/29/2008	1	0	79
UPR-200-E-89	299-E33-341	B1TP35	Antimony	7440-36-0	ug/kg	4/30/2008	4/30/2008	1	0	78
UPR-200-E-89	299-E33-341	B1TP45	Antimony	7440-36-0	ug/kg	5/1/2008	5/1/2008	1	0	77
UPR-200-E-89	299-E33-341	B1TP47	Antimony	7440-36-0	ug/kg	5/1/2008	5/1/2008	1	0	77
UPR-200-E-89	299-E33-341	B1TP49	Antimony	7440-36-0	ug/kg	5/1/2008	5/1/2008	1	0	76
UPR-200-E-89	299-E33-341	B1TP53	Antimony	7440-36-0	ug/kg	5/8/2008	5/8/2008	1	0	76
UPR-200-E-89	299-E33-341	B1TP55	Antimony	7440-36-0	ug/kg	5/8/2008	5/8/2008	1	0	78
UPR-200-E-89	299-E33-341	B1TP59	Antimony	7440-36-0	ug/kg	5/9/2008	5/9/2008	1	0	76
UPR-200-E-89	299-E33-341	B1TP61	Antimony	7440-36-0	ug/kg	5/9/2008	5/9/2008	1	0	77
UPR-200-E-89	299-E33-341	B1TP62	Antimony	7440-36-0	ug/kg	5/9/2008	5/9/2008	1	0	77
UPR-200-E-89	299-E33-341	B1TP64	Antimony	7440-36-0	ug/kg	5/9/2008	5/9/2008	1	0	78
UPR-200-E-89	299-E33-341	B1TP67	Antimony	7440-36-0	ug/kg	5/9/2008	5/9/2008	1	0	78
UPR-200-E-89	299-E33-341	B1TP69	Antimony	7440-36-0	ug/kg	5/9/2008	5/9/2008	1	0	78
UPR-200-E-89	299-E33-341	B1TP82	Antimony	7440-36-0	ug/kg	5/13/2008	5/13/2008	1	0	78
UPR-200-E-89	299-E33-341	B1TP93	Antimony	7440-36-0	ug/kg	5/22/2008	5/22/2008	1	0	82
UPR-200-E-89	299-E33-341	B1TP94	Antimony	7440-36-0	ug/kg	5/22/2008	5/22/2008	1	0	80
UPR-200-E-89	299-E33-341	B1TP93	Arsenic	7440-38-2	ug/kg	5/22/2008	5/22/2008	1	0	430
UPR-200-E-89	299-E33-341	B1TP94	Arsenic	7440-38-2	ug/kg	5/22/2008	5/22/2008	1	0	418
UPR-200-E-89	299-E33-341	B1TP26	Cadmium	7440-43-9	ug/kg	4/29/2008	4/29/2008	1	0	48
UPR-200-E-89	299-E33-341	B1TP45	Cadmium	7440-43-9	ug/kg	5/1/2008	5/1/2008	1	0	48
UPR-200-E-89	299-E33-341	B1TNT2	Carbon-14	14762-75-5	pCi/g	5/22/2008	5/22/2008	1	0	3.0
UPR-200-E-89	299-E33-341	B1TT53	Carbon-14	14762-75-5	pCi/g	5/22/2008	5/22/2008	1	0	3.1
UPR-200-E-89	299-E33-341	B1TNV9	Cesium-137	10045-97-3	pCi/g	4/29/2008	4/29/2008	1	0	0.27
UPR-200-E-89	299-E33-341	B1TNW0	Cesium-137	10045-97-3	pCi/g	4/30/2008	4/30/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TNW1	Cesium-137	10045-97-3	pCi/g	4/30/2008	4/30/2008	1	0	0.29
UPR-200-E-89	299-E33-341	B1TNW3	Cesium-137	10045-97-3	pCi/g	4/30/2008	4/30/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TNW5	Cesium-137	10045-97-3	pCi/g	4/30/2008	4/30/2008	1	0	0.30
UPR-200-E-89	299-E33-341	B1TP29	Cesium-137	10045-97-3	pCi/g	4/29/2008	4/29/2008	1	0	0.27
UPR-200-E-89	299-E33-341	B1TP30	Cesium-137	10045-97-3	pCi/g	4/29/2008	4/29/2008	1	0	0.22
UPR-200-E-89	299-E33-341	B1TP35	Cesium-137	10045-97-3	pCi/g	4/30/2008	4/30/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TP40	Cesium-137	10045-97-3	pCi/g	5/1/2008	5/1/2008	1	0	0.26
UPR-200-E-89	299-E33-341	B1TP42	Cesium-137	10045-97-3	pCi/g	5/1/2008	5/1/2008	1	0	0.27
UPR-200-E-89	299-E33-341	B1TP43	Cesium-137	10045-97-3	pCi/g	5/1/2008	5/1/2008	1	0	0.30
UPR-200-E-89	299-E33-341	B1TP45	Cesium-137	10045-97-3	pCi/g	5/1/2008	5/1/2008	1	0	0.19
UPR-200-E-89	299-E33-341	B1TP47	Cesium-137	10045-97-3	pCi/g	5/1/2008	5/1/2008	1	0	0.23
UPR-200-E-89	299-E33-341	B1TP49	Cesium-137	10045-97-3	pCi/g	5/1/2008	5/1/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TP51	Cesium-137	10045-97-3	pCi/g	5/8/2008	5/8/2008	1	0	0.25
UPR-200-E-89	299-E33-341	B1TP52	Cesium-137	10045-97-3	pCi/g	5/8/2008	5/8/2008	1	0	0.25
UPR-200-E-89	299-E33-341	B1TP53	Cesium-137	10045-97-3	pCi/g	5/8/2008	5/8/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TP55	Cesium-137	10045-97-3	pCi/g	5/8/2008	5/8/2008	1	0	0.24
UPR-200-E-89	299-E33-341	B1TP59	Cesium-137	10045-97-3	pCi/g	5/9/2008	5/9/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TP61	Cesium-137	10045-97-3	pCi/g	5/9/2008	5/9/2008	1	0	0.26
UPR-200-E-89	299-E33-341	B1TP62	Cesium-137	10045-97-3	pCi/g	5/9/2008	5/9/2008	1	0	0.20

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	299-E33-341	B1TP64	Cesium-137	10045-97-3	pCi/g	5/9/2008	5/9/2008	1	0	0.24
UPR-200-E-89	299-E33-341	B1TP67	Cesium-137	10045-97-3	pCi/g	5/9/2008	5/9/2008	1	0	0.19
UPR-200-E-89	299-E33-341	B1TP69	Cesium-137	10045-97-3	pCi/g	5/9/2008	5/9/2008	1	0	0.22
UPR-200-E-89	299-E33-341	B1TP82	Cesium-137	10045-97-3	pCi/g	5/13/2008	5/13/2008	1	0	0.18
UPR-200-E-89	299-E33-341	B1TT53	Cesium-137	10045-97-3	pCi/g	5/22/2008	5/22/2008	1	0	0.0090
UPR-200-E-89	299-E33-341	B1TNV9	Chloride	16887-00-6	ug/kg	4/29/2008	4/29/2008	1	0	50,000
UPR-200-E-89	299-E33-341	B1TNW0	Chloride	16887-00-6	ug/kg	4/30/2008	4/30/2008	1	0	50,000
UPR-200-E-89	299-E33-341	B1TNW1	Chloride	16887-00-6	ug/kg	4/30/2008	4/30/2008	1	0	49,500
UPR-200-E-89	299-E33-341	B1TNW3	Chloride	16887-00-6	ug/kg	4/30/2008	4/30/2008	1	0	50,000
UPR-200-E-89	299-E33-341	B1TP26	Chloride	16887-00-6	ug/kg	4/29/2008	4/29/2008	1	0	502
UPR-200-E-89	299-E33-341	B1TP45	Chloride	16887-00-6	ug/kg	5/1/2008	5/1/2008	1	0	50,000
UPR-200-E-89	299-E33-341	B1TP49	Chloride	16887-00-6	ug/kg	5/1/2008	5/1/2008	1	0	50,100
UPR-200-E-89	299-E33-341	B1TP64	Chloride	16887-00-6	ug/kg	5/9/2008	5/9/2008	1	0	50,100
UPR-200-E-89	299-E33-341	B1TNT0	Chloroform	67-66-3	ug/kg	5/22/2008	5/22/2008	1	0	0.88
UPR-200-E-89	299-E33-341	B1TNT3	Chloroform	67-66-3	ug/kg	5/22/2008	5/22/2008	1	0	0.96
UPR-200-E-89	299-E33-341	B1TNT2	Cobalt-60	10198-40-0	pCi/g	5/22/2008	5/22/2008	1	0	0.0078
UPR-200-E-89	299-E33-341	B1TNV9	Cobalt-60	10198-40-0	pCi/g	4/29/2008	4/29/2008	1	0	0.23
UPR-200-E-89	299-E33-341	B1TNW3	Cobalt-60	10198-40-0	pCi/g	4/30/2008	4/30/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TNW5	Cobalt-60	10198-40-0	pCi/g	4/30/2008	4/30/2008	1	0	0.30
UPR-200-E-89	299-E33-341	B1TP22	Cobalt-60	10198-40-0	pCi/g	4/29/2008	4/29/2008	1	0	0.16
UPR-200-E-89	299-E33-341	B1TP23	Cobalt-60	10198-40-0	pCi/g	4/29/2008	4/29/2008	1	0	0.14
UPR-200-E-89	299-E33-341	B1TP24	Cobalt-60	10198-40-0	pCi/g	4/29/2008	4/29/2008	1	0	0.23
UPR-200-E-89	299-E33-341	B1TP26	Cobalt-60	10198-40-0	pCi/g	4/29/2008	4/29/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TP28	Cobalt-60	10198-40-0	pCi/g	4/29/2008	4/29/2008	1	0	0.16
UPR-200-E-89	299-E33-341	B1TP29	Cobalt-60	10198-40-0	pCi/g	4/29/2008	4/29/2008	1	0	0.19
UPR-200-E-89	299-E33-341	B1TP30	Cobalt-60	10198-40-0	pCi/g	4/29/2008	4/29/2008	1	0	0.19
UPR-200-E-89	299-E33-341	B1TP35	Cobalt-60	10198-40-0	pCi/g	4/30/2008	4/30/2008	1	0	0.17
UPR-200-E-89	299-E33-341	B1TP40	Cobalt-60	10198-40-0	pCi/g	5/1/2008	5/1/2008	1	0	0.22
UPR-200-E-89	299-E33-341	B1TP42	Cobalt-60	10198-40-0	pCi/g	5/1/2008	5/1/2008	1	0	0.23
UPR-200-E-89	299-E33-341	B1TP43	Cobalt-60	10198-40-0	pCi/g	5/1/2008	5/1/2008	1	0	0.30
UPR-200-E-89	299-E33-341	B1TP45	Cobalt-60	10198-40-0	pCi/g	5/1/2008	5/1/2008	1	0	0.16
UPR-200-E-89	299-E33-341	B1TP47	Cobalt-60	10198-40-0	pCi/g	5/1/2008	5/1/2008	1	0	0.25
UPR-200-E-89	299-E33-341	B1TP49	Cobalt-60	10198-40-0	pCi/g	5/1/2008	5/1/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TP52	Cobalt-60	10198-40-0	pCi/g	5/8/2008	5/8/2008	1	0	0.23
UPR-200-E-89	299-E33-341	B1TP53	Cobalt-60	10198-40-0	pCi/g	5/8/2008	5/8/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TP55	Cobalt-60	10198-40-0	pCi/g	5/8/2008	5/8/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TP59	Cobalt-60	10198-40-0	pCi/g	5/9/2008	5/9/2008	1	0	0.18
UPR-200-E-89	299-E33-341	B1TP61	Cobalt-60	10198-40-0	pCi/g	5/9/2008	5/9/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TP62	Cobalt-60	10198-40-0	pCi/g	5/9/2008	5/9/2008	1	0	0.18
UPR-200-E-89	299-E33-341	B1TP64	Cobalt-60	10198-40-0	pCi/g	5/9/2008	5/9/2008	1	0	0.22
UPR-200-E-89	299-E33-341	B1TP67	Cobalt-60	10198-40-0	pCi/g	5/9/2008	5/9/2008	1	0	0.16
UPR-200-E-89	299-E33-341	B1TP69	Cobalt-60	10198-40-0	pCi/g	5/9/2008	5/9/2008	1	0	0.21
UPR-200-E-89	299-E33-341	B1TP82	Cobalt-60	10198-40-0	pCi/g	5/13/2008	5/13/2008	1	0	0.15
UPR-200-E-89	299-E33-341	B1TT53	Cobalt-60	10198-40-0	pCi/g	5/22/2008	5/22/2008	1	0	0.0090
UPR-200-E-89	299-E33-341	B1TP24	Cyanide	57-12-5	ug/kg	4/29/2008	4/29/2008	1	0	212
UPR-200-E-89	299-E33-341	B1TP94	Cyanide	57-12-5	ug/kg	5/22/2008	5/22/2008	1	0	214
UPR-200-E-89	299-E33-341	B1TNV9	Europium-152	14683-23-9	pCi/g	4/29/2008	4/29/2008	1	0	1.0
UPR-200-E-89	299-E33-341	B1TNW0	Europium-152	14683-23-9	pCi/g	4/30/2008	4/30/2008	1	0	0.68
UPR-200-E-89	299-E33-341	B1TNW1	Europium-152	14683-23-9	pCi/g	4/30/2008	4/30/2008	1	0	1.1
UPR-200-E-89	299-E33-341	B1TNW3	Europium-152	14683-23-9	pCi/g	4/30/2008	4/30/2008	1	0	0.69
UPR-200-E-89	299-E33-341	B1TNW5	Europium-152	14683-23-9	pCi/g	4/30/2008	4/30/2008	1	0	1.2
UPR-200-E-89	299-E33-341	B1TP22	Europium-152	14683-23-9	pCi/g	4/29/2008	4/29/2008	1	0	0.72
UPR-200-E-89	299-E33-341	B1TP23	Europium-152	14683-23-9	pCi/g	4/29/2008	4/29/2008	1	0	0.71
UPR-200-E-89	299-E33-341	B1TP24	Europium-152	14683-23-9	pCi/g	4/29/2008	4/29/2008	1	0	0.87

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	299-E33-341	B1TP26	Europium-152	14683-23-9	pCi/g	4/29/2008	4/29/2008	1	0	0.79
UPR-200-E-89	299-E33-341	B1TP28	Europium-152	14683-23-9	pCi/g	4/29/2008	4/29/2008	1	0	0.63
UPR-200-E-89	299-E33-341	B1TP29	Europium-152	14683-23-9	pCi/g	4/29/2008	4/29/2008	1	0	0.86
UPR-200-E-89	299-E33-341	B1TP30	Europium-152	14683-23-9	pCi/g	4/29/2008	4/29/2008	1	0	0.73
UPR-200-E-89	299-E33-341	B1TP35	Europium-152	14683-23-9	pCi/g	4/30/2008	4/30/2008	1	0	0.76
UPR-200-E-89	299-E33-341	B1TP40	Europium-152	14683-23-9	pCi/g	5/1/2008	5/1/2008	1	0	0.96
UPR-200-E-89	299-E33-341	B1TP42	Europium-152	14683-23-9	pCi/g	5/1/2008	5/1/2008	1	0	0.89
UPR-200-E-89	299-E33-341	B1TP43	Europium-152	14683-23-9	pCi/g	5/1/2008	5/1/2008	1	0	1.1
UPR-200-E-89	299-E33-341	B1TP45	Europium-152	14683-23-9	pCi/g	5/1/2008	5/1/2008	1	0	0.62
UPR-200-E-89	299-E33-341	B1TP47	Europium-152	14683-23-9	pCi/g	5/1/2008	5/1/2008	1	0	0.88
UPR-200-E-89	299-E33-341	B1TP49	Europium-152	14683-23-9	pCi/g	5/1/2008	5/1/2008	1	0	0.71
UPR-200-E-89	299-E33-341	B1TP51	Europium-152	14683-23-9	pCi/g	5/8/2008	5/8/2008	1	0	0.84
UPR-200-E-89	299-E33-341	B1TP52	Europium-152	14683-23-9	pCi/g	5/8/2008	5/8/2008	1	0	0.95
UPR-200-E-89	299-E33-341	B1TP53	Europium-152	14683-23-9	pCi/g	5/8/2008	5/8/2008	1	0	0.69
UPR-200-E-89	299-E33-341	B1TP55	Europium-152	14683-23-9	pCi/g	5/8/2008	5/8/2008	1	0	0.84
UPR-200-E-89	299-E33-341	B1TP59	Europium-152	14683-23-9	pCi/g	5/9/2008	5/9/2008	1	0	0.71
UPR-200-E-89	299-E33-341	B1TP61	Europium-152	14683-23-9	pCi/g	5/9/2008	5/9/2008	1	0	0.96
UPR-200-E-89	299-E33-341	B1TP62	Europium-152	14683-23-9	pCi/g	5/9/2008	5/9/2008	1	0	0.66
UPR-200-E-89	299-E33-341	B1TP64	Europium-152	14683-23-9	pCi/g	5/9/2008	5/9/2008	1	0	0.90
UPR-200-E-89	299-E33-341	B1TP67	Europium-152	14683-23-9	pCi/g	5/9/2008	5/9/2008	1	0	0.64
UPR-200-E-89	299-E33-341	B1TP69	Europium-152	14683-23-9	pCi/g	5/9/2008	5/9/2008	1	0	0.92
UPR-200-E-89	299-E33-341	B1TP82	Europium-152	14683-23-9	pCi/g	5/13/2008	5/13/2008	1	0	0.61
UPR-200-E-89	299-E33-341	B1TP93	Europium-152	14683-23-9	pCi/g	5/22/2008	5/22/2008	1	0	0.88
UPR-200-E-89	299-E33-341	B1TP94	Europium-152	14683-23-9	pCi/g	5/22/2008	5/22/2008	1	0	0.68
UPR-200-E-89	299-E33-341	B1TNV9	Europium-154	15585-10-1	pCi/g	4/29/2008	4/29/2008	1	0	0.58
UPR-200-E-89	299-E33-341	B1TNW0	Europium-154	15585-10-1	pCi/g	4/30/2008	4/30/2008	1	0	0.44
UPR-200-E-89	299-E33-341	B1TNW1	Europium-154	15585-10-1	pCi/g	4/30/2008	4/30/2008	1	0	0.64
UPR-200-E-89	299-E33-341	B1TNW3	Europium-154	15585-10-1	pCi/g	4/30/2008	4/30/2008	1	0	0.44
UPR-200-E-89	299-E33-341	B1TNW5	Europium-154	15585-10-1	pCi/g	4/30/2008	4/30/2008	1	0	0.65
UPR-200-E-89	299-E33-341	B1TP22	Europium-154	15585-10-1	pCi/g	4/29/2008	4/29/2008	1	0	0.48
UPR-200-E-89	299-E33-341	B1TP23	Europium-154	15585-10-1	pCi/g	4/29/2008	4/29/2008	1	0	0.64
UPR-200-E-89	299-E33-341	B1TP24	Europium-154	15585-10-1	pCi/g	4/29/2008	4/29/2008	1	0	0.73
UPR-200-E-89	299-E33-341	B1TP26	Europium-154	15585-10-1	pCi/g	4/29/2008	4/29/2008	1	0	0.51
UPR-200-E-89	299-E33-341	B1TP28	Europium-154	15585-10-1	pCi/g	4/29/2008	4/29/2008	1	0	0.40
UPR-200-E-89	299-E33-341	B1TP29	Europium-154	15585-10-1	pCi/g	4/29/2008	4/29/2008	1	0	0.49
UPR-200-E-89	299-E33-341	B1TP30	Europium-154	15585-10-1	pCi/g	4/29/2008	4/29/2008	1	0	0.46
UPR-200-E-89	299-E33-341	B1TP35	Europium-154	15585-10-1	pCi/g	4/30/2008	4/30/2008	1	0	0.47
UPR-200-E-89	299-E33-341	B1TP40	Europium-154	15585-10-1	pCi/g	5/1/2008	5/1/2008	1	0	0.56
UPR-200-E-89	299-E33-341	B1TP42	Europium-154	15585-10-1	pCi/g	5/1/2008	5/1/2008	1	0	0.56
UPR-200-E-89	299-E33-341	B1TP43	Europium-154	15585-10-1	pCi/g	5/1/2008	5/1/2008	1	0	0.66
UPR-200-E-89	299-E33-341	B1TP45	Europium-154	15585-10-1	pCi/g	5/1/2008	5/1/2008	1	0	0.38
UPR-200-E-89	299-E33-341	B1TP47	Europium-154	15585-10-1	pCi/g	5/1/2008	5/1/2008	1	0	0.53
UPR-200-E-89	299-E33-341	B1TP49	Europium-154	15585-10-1	pCi/g	5/1/2008	5/1/2008	1	0	0.43
UPR-200-E-89	299-E33-341	B1TP51	Europium-154	15585-10-1	pCi/g	5/8/2008	5/8/2008	1	0	0.50
UPR-200-E-89	299-E33-341	B1TP52	Europium-154	15585-10-1	pCi/g	5/8/2008	5/8/2008	1	0	0.52
UPR-200-E-89	299-E33-341	B1TP53	Europium-154	15585-10-1	pCi/g	5/8/2008	5/8/2008	1	0	0.44
UPR-200-E-89	299-E33-341	B1TP55	Europium-154	15585-10-1	pCi/g	5/8/2008	5/8/2008	1	0	0.49
UPR-200-E-89	299-E33-341	B1TP59	Europium-154	15585-10-1	pCi/g	5/9/2008	5/9/2008	1	0	0.44
UPR-200-E-89	299-E33-341	B1TP61	Europium-154	15585-10-1	pCi/g	5/9/2008	5/9/2008	1	0	0.56
UPR-200-E-89	299-E33-341	B1TP62	Europium-154	15585-10-1	pCi/g	5/9/2008	5/9/2008	1	0	0.42
UPR-200-E-89	299-E33-341	B1TP64	Europium-154	15585-10-1	pCi/g	5/9/2008	5/9/2008	1	0	0.52
UPR-200-E-89	299-E33-341	B1TP67	Europium-154	15585-10-1	pCi/g	5/9/2008	5/9/2008	1	0	0.44
UPR-200-E-89	299-E33-341	B1TP69	Europium-154	15585-10-1	pCi/g	5/9/2008	5/9/2008	1	0	0.53
UPR-200-E-89	299-E33-341	B1TP82	Europium-154	15585-10-1	pCi/g	5/13/2008	5/13/2008	1	0	0.40

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	299-E33-341	B1TP93	Europium-154	15585-10-1	pCi/g	5/22/2008	5/22/2008	1	0	0.49
UPR-200-E-89	299-E33-341	B1TP94	Europium-154	15585-10-1	pCi/g	5/22/2008	5/22/2008	1	0	0.44
UPR-200-E-89	299-E33-341	B1TNV9	Europium-155	14391-16-3	pCi/g	4/29/2008	4/29/2008	1	0	0.98
UPR-200-E-89	299-E33-341	B1TNW0	Europium-155	14391-16-3	pCi/g	4/30/2008	4/30/2008	1	0	0.68
UPR-200-E-89	299-E33-341	B1TNW1	Europium-155	14391-16-3	pCi/g	4/30/2008	4/30/2008	1	0	1.1
UPR-200-E-89	299-E33-341	B1TNW3	Europium-155	14391-16-3	pCi/g	4/30/2008	4/30/2008	1	0	0.69
UPR-200-E-89	299-E33-341	B1TNW5	Europium-155	14391-16-3	pCi/g	4/30/2008	4/30/2008	1	0	1.1
UPR-200-E-89	299-E33-341	B1TP22	Europium-155	14391-16-3	pCi/g	4/29/2008	4/29/2008	1	0	0.86
UPR-200-E-89	299-E33-341	B1TP23	Europium-155	14391-16-3	pCi/g	4/29/2008	4/29/2008	1	0	6.3
UPR-200-E-89	299-E33-341	B1TP24	Europium-155	14391-16-3	pCi/g	4/29/2008	4/29/2008	1	0	5.7
UPR-200-E-89	299-E33-341	B1TP26	Europium-155	14391-16-3	pCi/g	4/29/2008	4/29/2008	1	0	0.86
UPR-200-E-89	299-E33-341	B1TP28	Europium-155	14391-16-3	pCi/g	4/29/2008	4/29/2008	1	0	0.62
UPR-200-E-89	299-E33-341	B1TP29	Europium-155	14391-16-3	pCi/g	4/29/2008	4/29/2008	1	0	0.82
UPR-200-E-89	299-E33-341	B1TP30	Europium-155	14391-16-3	pCi/g	4/29/2008	4/29/2008	1	0	0.74
UPR-200-E-89	299-E33-341	B1TP35	Europium-155	14391-16-3	pCi/g	4/30/2008	4/30/2008	1	0	0.73
UPR-200-E-89	299-E33-341	B1TP40	Europium-155	14391-16-3	pCi/g	5/1/2008	5/1/2008	1	0	0.95
UPR-200-E-89	299-E33-341	B1TP42	Europium-155	14391-16-3	pCi/g	5/1/2008	5/1/2008	1	0	0.85
UPR-200-E-89	299-E33-341	B1TP43	Europium-155	14391-16-3	pCi/g	5/1/2008	5/1/2008	1	0	1.1
UPR-200-E-89	299-E33-341	B1TP45	Europium-155	14391-16-3	pCi/g	5/1/2008	5/1/2008	1	0	0.61
UPR-200-E-89	299-E33-341	B1TP47	Europium-155	14391-16-3	pCi/g	5/1/2008	5/1/2008	1	0	0.90
UPR-200-E-89	299-E33-341	B1TP49	Europium-155	14391-16-3	pCi/g	5/1/2008	5/1/2008	1	0	0.68
UPR-200-E-89	299-E33-341	B1TP51	Europium-155	14391-16-3	pCi/g	5/8/2008	5/8/2008	1	0	0.81
UPR-200-E-89	299-E33-341	B1TP52	Europium-155	14391-16-3	pCi/g	5/8/2008	5/8/2008	1	0	0.90
UPR-200-E-89	299-E33-341	B1TP55	Europium-155	14391-16-3	pCi/g	5/8/2008	5/8/2008	1	0	0.83
UPR-200-E-89	299-E33-341	B1TP59	Europium-155	14391-16-3	pCi/g	5/9/2008	5/9/2008	1	0	0.70
UPR-200-E-89	299-E33-341	B1TP61	Europium-155	14391-16-3	pCi/g	5/9/2008	5/9/2008	1	0	0.92
UPR-200-E-89	299-E33-341	B1TP62	Europium-155	14391-16-3	pCi/g	5/9/2008	5/9/2008	1	0	0.67
UPR-200-E-89	299-E33-341	B1TP64	Europium-155	14391-16-3	pCi/g	5/9/2008	5/9/2008	1	0	0.88
UPR-200-E-89	299-E33-341	B1TP67	Europium-155	14391-16-3	pCi/g	5/9/2008	5/9/2008	1	0	0.68
UPR-200-E-89	299-E33-341	B1TP69	Europium-155	14391-16-3	pCi/g	5/9/2008	5/9/2008	1	0	0.88
UPR-200-E-89	299-E33-341	B1TP82	Europium-155	14391-16-3	pCi/g	5/13/2008	5/13/2008	1	0	0.60
UPR-200-E-89	299-E33-341	B1TP93	Europium-155	14391-16-3	pCi/g	5/22/2008	5/22/2008	1	0	0.84
UPR-200-E-89	299-E33-341	B1TP94	Europium-155	14391-16-3	pCi/g	5/22/2008	5/22/2008	1	0	0.66
UPR-200-E-89	299-E33-341	B1TNV9	Fluoride	16984-48-8	ug/kg	4/29/2008	4/29/2008	1	0	20,000
UPR-200-E-89	299-E33-341	B1TNW0	Fluoride	16984-48-8	ug/kg	4/30/2008	4/30/2008	1	0	20,000
UPR-200-E-89	299-E33-341	B1TNW1	Fluoride	16984-48-8	ug/kg	4/30/2008	4/30/2008	1	0	19,800
UPR-200-E-89	299-E33-341	B1TNW3	Fluoride	16984-48-8	ug/kg	4/30/2008	4/30/2008	1	0	20,000
UPR-200-E-89	299-E33-341	B1TNW5	Fluoride	16984-48-8	ug/kg	4/30/2008	4/30/2008	1	0	1,970
UPR-200-E-89	299-E33-341	B1TP24	Fluoride	16984-48-8	ug/kg	4/29/2008	4/29/2008	1	0	211
UPR-200-E-89	299-E33-341	B1TP43	Fluoride	16984-48-8	ug/kg	5/1/2008	5/1/2008	1	0	2,000
UPR-200-E-89	299-E33-341	B1TP45	Fluoride	16984-48-8	ug/kg	5/1/2008	5/1/2008	1	0	20,000
UPR-200-E-89	299-E33-341	B1TP47	Fluoride	16984-48-8	ug/kg	5/1/2008	5/1/2008	1	0	1,980
UPR-200-E-89	299-E33-341	B1TP49	Fluoride	16984-48-8	ug/kg	5/1/2008	5/1/2008	1	0	20,000
UPR-200-E-89	299-E33-341	B1TP51	Fluoride	16984-48-8	ug/kg	5/8/2008	5/8/2008	1	0	19,700
UPR-200-E-89	299-E33-341	B1TP52	Fluoride	16984-48-8	ug/kg	5/8/2008	5/8/2008	1	0	1,990
UPR-200-E-89	299-E33-341	B1TP53	Fluoride	16984-48-8	ug/kg	5/8/2008	5/8/2008	1	0	2,000
UPR-200-E-89	299-E33-341	B1TP61	Fluoride	16984-48-8	ug/kg	5/9/2008	5/9/2008	1	0	200
UPR-200-E-89	299-E33-341	B1TP62	Fluoride	16984-48-8	ug/kg	5/9/2008	5/9/2008	1	0	1,980
UPR-200-E-89	299-E33-341	B1TP64	Fluoride	16984-48-8	ug/kg	5/9/2008	5/9/2008	1	0	20,100
UPR-200-E-89	299-E33-341	B1TNV9	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	6.3
UPR-200-E-89	299-E33-341	B1TNW0	Gross alpha	12587-46-1	pCi/g	4/30/2008	4/30/2008	1	0	6.4
UPR-200-E-89	299-E33-341	B1TNW1	Gross alpha	12587-46-1	pCi/g	4/30/2008	4/30/2008	1	0	6.4
UPR-200-E-89	299-E33-341	B1TNW3	Gross alpha	12587-46-1	pCi/g	4/30/2008	4/30/2008	1	0	6.4
UPR-200-E-89	299-E33-341	B1TNW5	Gross alpha	12587-46-1	pCi/g	4/30/2008	4/30/2008	1	0	6.5

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	299-E33-341	B1TP22	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	6.4
UPR-200-E-89	299-E33-341	B1TP24	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	6.6
UPR-200-E-89	299-E33-341	B1TP26	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	6.4
UPR-200-E-89	299-E33-341	B1TP28	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	6.4
UPR-200-E-89	299-E33-341	B1TP29	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	6.3
UPR-200-E-89	299-E33-341	B1TP30	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	6.5
UPR-200-E-89	299-E33-341	B1TP35	Gross alpha	12587-46-1	pCi/g	4/30/2008	4/30/2008	1	0	6.4
UPR-200-E-89	299-E33-341	B1TP40	Gross alpha	12587-46-1	pCi/g	5/1/2008	5/1/2008	1	0	6.5
UPR-200-E-89	299-E33-341	B1TP42	Gross alpha	12587-46-1	pCi/g	5/1/2008	5/1/2008	1	0	6.3
UPR-200-E-89	299-E33-341	B1TP43	Gross alpha	12587-46-1	pCi/g	5/1/2008	5/1/2008	1	0	7.0
UPR-200-E-89	299-E33-341	B1TP45	Gross alpha	12587-46-1	pCi/g	5/1/2008	5/1/2008	1	0	6.3
UPR-200-E-89	299-E33-341	B1TP47	Gross alpha	12587-46-1	pCi/g	5/1/2008	5/1/2008	1	0	6.3
UPR-200-E-89	299-E33-341	B1TP49	Gross alpha	12587-46-1	pCi/g	5/1/2008	5/1/2008	1	0	6.2
UPR-200-E-89	299-E33-341	B1TP51	Gross alpha	12587-46-1	pCi/g	5/8/2008	5/8/2008	1	0	6.5
UPR-200-E-89	299-E33-341	B1TP52	Gross alpha	12587-46-1	pCi/g	5/8/2008	5/8/2008	1	0	6.3
UPR-200-E-89	299-E33-341	B1TP53	Gross alpha	12587-46-1	pCi/g	5/8/2008	5/8/2008	1	0	6.2
UPR-200-E-89	299-E33-341	B1TP55	Gross alpha	12587-46-1	pCi/g	5/8/2008	5/8/2008	1	0	6.3
UPR-200-E-89	299-E33-341	B1TP59	Gross alpha	12587-46-1	pCi/g	5/9/2008	5/9/2008	1	0	6.2
UPR-200-E-89	299-E33-341	B1TP61	Gross alpha	12587-46-1	pCi/g	5/9/2008	5/9/2008	1	0	6.3
UPR-200-E-89	299-E33-341	B1TP62	Gross alpha	12587-46-1	pCi/g	5/9/2008	5/9/2008	1	0	6.3
UPR-200-E-89	299-E33-341	B1TP64	Gross alpha	12587-46-1	pCi/g	5/9/2008	5/9/2008	1	0	6.4
UPR-200-E-89	299-E33-341	B1TP67	Gross alpha	12587-46-1	pCi/g	5/9/2008	5/9/2008	1	0	65
UPR-200-E-89	299-E33-341	B1TP69	Gross alpha	12587-46-1	pCi/g	5/9/2008	5/9/2008	1	0	6.4
UPR-200-E-89	299-E33-341	B1TP82	Gross alpha	12587-46-1	pCi/g	5/13/2008	5/13/2008	1	0	6.4
UPR-200-E-89	299-E33-341	B1TP93	Gross alpha	12587-46-1	pCi/g	5/22/2008	5/22/2008	1	0	6.7
UPR-200-E-89	299-E33-341	B1TP94	Gross alpha	12587-46-1	pCi/g	5/22/2008	5/22/2008	1	0	6.5
UPR-200-E-89	299-E33-341	B1TNV9	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TNW0	Gross beta	12587-47-2	pCi/g	4/30/2008	4/30/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TNW1	Gross beta	12587-47-2	pCi/g	4/30/2008	4/30/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TNW3	Gross beta	12587-47-2	pCi/g	4/30/2008	4/30/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TNW5	Gross beta	12587-47-2	pCi/g	4/30/2008	4/30/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP22	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP26	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP28	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP29	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP30	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP35	Gross beta	12587-47-2	pCi/g	4/30/2008	4/30/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP40	Gross beta	12587-47-2	pCi/g	5/1/2008	5/1/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP42	Gross beta	12587-47-2	pCi/g	5/1/2008	5/1/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP43	Gross beta	12587-47-2	pCi/g	5/1/2008	5/1/2008	1	0	16
UPR-200-E-89	299-E33-341	B1TP45	Gross beta	12587-47-2	pCi/g	5/1/2008	5/1/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP47	Gross beta	12587-47-2	pCi/g	5/1/2008	5/1/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP49	Gross beta	12587-47-2	pCi/g	5/1/2008	5/1/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP52	Gross beta	12587-47-2	pCi/g	5/8/2008	5/8/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP53	Gross beta	12587-47-2	pCi/g	5/8/2008	5/8/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP55	Gross beta	12587-47-2	pCi/g	5/8/2008	5/8/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP59	Gross beta	12587-47-2	pCi/g	5/9/2008	5/9/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP61	Gross beta	12587-47-2	pCi/g	5/9/2008	5/9/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP62	Gross beta	12587-47-2	pCi/g	5/9/2008	5/9/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP64	Gross beta	12587-47-2	pCi/g	5/9/2008	5/9/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP67	Gross beta	12587-47-2	pCi/g	5/9/2008	5/9/2008	1	0	154
UPR-200-E-89	299-E33-341	B1TP69	Gross beta	12587-47-2	pCi/g	5/9/2008	5/9/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP82	Gross beta	12587-47-2	pCi/g	5/13/2008	5/13/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TP93	Gross beta	12587-47-2	pCi/g	5/22/2008	5/22/2008	1	0	16

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	299-E33-341	B1TP94	Gross beta	12587-47-2	pCi/g	5/22/2008	5/22/2008	1	0	15
UPR-200-E-89	299-E33-341	B1TNT2	Hexavalent Chromium	18540-29-9	ug/kg	5/22/2008	5/22/2008	1	0	210
UPR-200-E-89	299-E33-341	B1TNT0	Methylene chloride	75-09-2	ug/kg	5/22/2008	5/22/2008	1	0	0.88
UPR-200-E-89	299-E33-341	B1TNT3	Methylene chloride	75-09-2	ug/kg	5/22/2008	5/22/2008	1	0	0.96
UPR-200-E-89	299-E33-341	B1TP69	Nitrate	14797-55-8	ug/kg	5/9/2008	5/9/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TP71	Nitrate	14797-55-8	ug/kg	5/12/2008	5/12/2008	1	0	997
UPR-200-E-89	299-E33-341	B1TP77	Nitrate	14797-55-8	ug/kg	5/13/2008	5/13/2008	1	0	999
UPR-200-E-89	299-E33-341	B1TP91	Nitrate	14797-55-8	ug/kg	5/20/2008	5/20/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TNV9	Nitrite	14797-65-0	ug/kg	4/29/2008	4/29/2008	1	0	100,000
UPR-200-E-89	299-E33-341	B1TNW0	Nitrite	14797-65-0	ug/kg	4/30/2008	4/30/2008	1	0	100,000
UPR-200-E-89	299-E33-341	B1TNW1	Nitrite	14797-65-0	ug/kg	4/30/2008	4/30/2008	1	0	99,100
UPR-200-E-89	299-E33-341	B1TNW3	Nitrite	14797-65-0	ug/kg	4/30/2008	4/30/2008	1	0	100,000
UPR-200-E-89	299-E33-341	B1TNW5	Nitrite	14797-65-0	ug/kg	4/30/2008	4/30/2008	1	0	9,840
UPR-200-E-89	299-E33-341	B1TNX1	Nitrite	14797-65-0	ug/kg	5/16/2008	5/16/2008	1	0	1,010
UPR-200-E-89	299-E33-341	B1TP22	Nitrite	14797-65-0	ug/kg	4/29/2008	4/29/2008	1	0	1,010
UPR-200-E-89	299-E33-341	B1TP24	Nitrite	14797-65-0	ug/kg	4/29/2008	4/29/2008	1	0	1,050
UPR-200-E-89	299-E33-341	B1TP26	Nitrite	14797-65-0	ug/kg	4/29/2008	4/29/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TP28	Nitrite	14797-65-0	ug/kg	4/29/2008	4/29/2008	1	0	998
UPR-200-E-89	299-E33-341	B1TP29	Nitrite	14797-65-0	ug/kg	4/29/2008	4/29/2008	1	0	998
UPR-200-E-89	299-E33-341	B1TP30	Nitrite	14797-65-0	ug/kg	4/29/2008	4/29/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TP35	Nitrite	14797-65-0	ug/kg	4/30/2008	4/30/2008	1	0	1,080
UPR-200-E-89	299-E33-341	B1TP40	Nitrite	14797-65-0	ug/kg	5/1/2008	5/1/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TP42	Nitrite	14797-65-0	ug/kg	5/1/2008	5/1/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TP43	Nitrite	14797-65-0	ug/kg	5/1/2008	5/1/2008	1	0	10,000
UPR-200-E-89	299-E33-341	B1TP45	Nitrite	14797-65-0	ug/kg	5/1/2008	5/1/2008	1	0	100,000
UPR-200-E-89	299-E33-341	B1TP47	Nitrite	14797-65-0	ug/kg	5/1/2008	5/1/2008	1	0	9,910
UPR-200-E-89	299-E33-341	B1TP49	Nitrite	14797-65-0	ug/kg	5/1/2008	5/1/2008	1	0	100,000
UPR-200-E-89	299-E33-341	B1TP51	Nitrite	14797-65-0	ug/kg	5/8/2008	5/8/2008	1	0	98,500
UPR-200-E-89	299-E33-341	B1TP52	Nitrite	14797-65-0	ug/kg	5/8/2008	5/8/2008	1	0	9,940
UPR-200-E-89	299-E33-341	B1TP53	Nitrite	14797-65-0	ug/kg	5/8/2008	5/8/2008	1	0	10,000
UPR-200-E-89	299-E33-341	B1TP55	Nitrite	14797-65-0	ug/kg	5/8/2008	5/8/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TP59	Nitrite	14797-65-0	ug/kg	5/9/2008	5/9/2008	1	0	1,010
UPR-200-E-89	299-E33-341	B1TP61	Nitrite	14797-65-0	ug/kg	5/9/2008	5/9/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TP62	Nitrite	14797-65-0	ug/kg	5/9/2008	5/9/2008	1	0	9,880
UPR-200-E-89	299-E33-341	B1TP64	Nitrite	14797-65-0	ug/kg	5/9/2008	5/9/2008	1	0	100,000
UPR-200-E-89	299-E33-341	B1TP67	Nitrite	14797-65-0	ug/kg	5/9/2008	5/9/2008	1	0	978
UPR-200-E-89	299-E33-341	B1TP69	Nitrite	14797-65-0	ug/kg	5/9/2008	5/9/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TP71	Nitrite	14797-65-0	ug/kg	5/12/2008	5/12/2008	1	0	997
UPR-200-E-89	299-E33-341	B1TP77	Nitrite	14797-65-0	ug/kg	5/13/2008	5/13/2008	1	0	999
UPR-200-E-89	299-E33-341	B1TP78	Nitrite	14797-65-0	ug/kg	5/13/2008	5/13/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TP82	Nitrite	14797-65-0	ug/kg	5/13/2008	5/13/2008	1	0	997
UPR-200-E-89	299-E33-341	B1TP86	Nitrite	14797-65-0	ug/kg	5/16/2008	5/16/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TP89	Nitrite	14797-65-0	ug/kg	5/20/2008	5/20/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TP91	Nitrite	14797-65-0	ug/kg	5/20/2008	5/20/2008	1	0	1,000
UPR-200-E-89	299-E33-341	B1TP94	Nitrite	14797-65-0	ug/kg	5/22/2008	5/22/2008	1	0	997
UPR-200-E-89	299-E33-341	B1TNV9	Phosphate	14265-44-2	ug/kg	4/29/2008	4/29/2008	1	0	150,000
UPR-200-E-89	299-E33-341	B1TNW0	Phosphate	14265-44-2	ug/kg	4/30/2008	4/30/2008	1	0	150,000
UPR-200-E-89	299-E33-341	B1TNW1	Phosphate	14265-44-2	ug/kg	4/30/2008	4/30/2008	1	0	149,000
UPR-200-E-89	299-E33-341	B1TNW3	Phosphate	14265-44-2	ug/kg	4/30/2008	4/30/2008	1	0	150,000
UPR-200-E-89	299-E33-341	B1TNW5	Phosphate	14265-44-2	ug/kg	4/30/2008	4/30/2008	1	0	14,800
UPR-200-E-89	299-E33-341	B1TNX1	Phosphate	14265-44-2	ug/kg	5/16/2008	5/16/2008	1	0	1,510
UPR-200-E-89	299-E33-341	B1TP22	Phosphate	14265-44-2	ug/kg	4/29/2008	4/29/2008	1	0	1,520
UPR-200-E-89	299-E33-341	B1TP29	Phosphate	14265-44-2	ug/kg	4/29/2008	4/29/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP30	Phosphate	14265-44-2	ug/kg	4/29/2008	4/29/2008	1	0	1,500

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	299-E33-341	B1TP35	Phosphate	14265-44-2	ug/kg	4/30/2008	4/30/2008	1	0	1,620
UPR-200-E-89	299-E33-341	B1TP40	Phosphate	14265-44-2	ug/kg	5/1/2008	5/1/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP42	Phosphate	14265-44-2	ug/kg	5/1/2008	5/1/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP43	Phosphate	14265-44-2	ug/kg	5/1/2008	5/1/2008	1	0	15,000
UPR-200-E-89	299-E33-341	B1TP45	Phosphate	14265-44-2	ug/kg	5/1/2008	5/1/2008	1	0	150,000
UPR-200-E-89	299-E33-341	B1TP47	Phosphate	14265-44-2	ug/kg	5/1/2008	5/1/2008	1	0	14,900
UPR-200-E-89	299-E33-341	B1TP49	Phosphate	14265-44-2	ug/kg	5/1/2008	5/1/2008	1	0	150,000
UPR-200-E-89	299-E33-341	B1TP51	Phosphate	14265-44-2	ug/kg	5/8/2008	5/8/2008	1	0	148,000
UPR-200-E-89	299-E33-341	B1TP52	Phosphate	14265-44-2	ug/kg	5/8/2008	5/8/2008	1	0	14,900
UPR-200-E-89	299-E33-341	B1TP53	Phosphate	14265-44-2	ug/kg	5/8/2008	5/8/2008	1	0	15,000
UPR-200-E-89	299-E33-341	B1TP55	Phosphate	14265-44-2	ug/kg	5/8/2008	5/8/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP59	Phosphate	14265-44-2	ug/kg	5/9/2008	5/9/2008	1	0	1,520
UPR-200-E-89	299-E33-341	B1TP61	Phosphate	14265-44-2	ug/kg	5/9/2008	5/9/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP62	Phosphate	14265-44-2	ug/kg	5/9/2008	5/9/2008	1	0	14,800
UPR-200-E-89	299-E33-341	B1TP64	Phosphate	14265-44-2	ug/kg	5/9/2008	5/9/2008	1	0	150,000
UPR-200-E-89	299-E33-341	B1TP67	Phosphate	14265-44-2	ug/kg	5/9/2008	5/9/2008	1	0	1,470
UPR-200-E-89	299-E33-341	B1TP69	Phosphate	14265-44-2	ug/kg	5/9/2008	5/9/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP71	Phosphate	14265-44-2	ug/kg	5/12/2008	5/12/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP77	Phosphate	14265-44-2	ug/kg	5/13/2008	5/13/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP78	Phosphate	14265-44-2	ug/kg	5/13/2008	5/13/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP82	Phosphate	14265-44-2	ug/kg	5/13/2008	5/13/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP84	Phosphate	14265-44-2	ug/kg	5/16/2008	5/16/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP86	Phosphate	14265-44-2	ug/kg	5/16/2008	5/16/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP89	Phosphate	14265-44-2	ug/kg	5/20/2008	5/20/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP91	Phosphate	14265-44-2	ug/kg	5/20/2008	5/20/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TP93	Phosphate	14265-44-2	ug/kg	5/22/2008	5/22/2008	1	0	1,510
UPR-200-E-89	299-E33-341	B1TP94	Phosphate	14265-44-2	ug/kg	5/22/2008	5/22/2008	1	0	1,500
UPR-200-E-89	299-E33-341	B1TNT2	Plutonium-238	13981-16-3	pCi/g	5/22/2008	5/22/2008	1	0	0.056
UPR-200-E-89	299-E33-341	B1TT53	Plutonium-238	13981-16-3	pCi/g	5/22/2008	5/22/2008	1	0	0.049
UPR-200-E-89	299-E33-341	B1TNV9	Selenium	7782-49-2	ug/kg	4/29/2008	4/29/2008	1	0	1,100
UPR-200-E-89	299-E33-341	B1TNW0	Selenium	7782-49-2	ug/kg	4/30/2008	4/30/2008	1	0	1,120
UPR-200-E-89	299-E33-341	B1TNW1	Selenium	7782-49-2	ug/kg	4/30/2008	4/30/2008	1	0	1,110
UPR-200-E-89	299-E33-341	B1TNW3	Selenium	7782-49-2	ug/kg	4/30/2008	4/30/2008	1	0	1,110
UPR-200-E-89	299-E33-341	B1TNW5	Selenium	7782-49-2	ug/kg	4/30/2008	4/30/2008	1	0	1,120
UPR-200-E-89	299-E33-341	B1TP22	Selenium	7782-49-2	ug/kg	4/29/2008	4/29/2008	1	0	1,110
UPR-200-E-89	299-E33-341	B1TP24	Selenium	7782-49-2	ug/kg	4/29/2008	4/29/2008	1	0	1,140
UPR-200-E-89	299-E33-341	B1TP26	Selenium	7782-49-2	ug/kg	4/29/2008	4/29/2008	1	0	1,110
UPR-200-E-89	299-E33-341	B1TP28	Selenium	7782-49-2	ug/kg	4/29/2008	4/29/2008	1	0	1,110
UPR-200-E-89	299-E33-341	B1TP29	Selenium	7782-49-2	ug/kg	4/29/2008	4/29/2008	1	0	1,100
UPR-200-E-89	299-E33-341	B1TP30	Selenium	7782-49-2	ug/kg	4/29/2008	4/29/2008	1	0	1,130
UPR-200-E-89	299-E33-341	B1TP35	Selenium	7782-49-2	ug/kg	4/30/2008	4/30/2008	1	0	1,120
UPR-200-E-89	299-E33-341	B1TP40	Selenium	7782-49-2	ug/kg	5/1/2008	5/1/2008	1	0	1,120
UPR-200-E-89	299-E33-341	B1TP42	Selenium	7782-49-2	ug/kg	5/1/2008	5/1/2008	1	0	1,090
UPR-200-E-89	299-E33-341	B1TP43	Selenium	7782-49-2	ug/kg	5/1/2008	5/1/2008	1	0	1,220
UPR-200-E-89	299-E33-341	B1TP45	Selenium	7782-49-2	ug/kg	5/1/2008	5/1/2008	1	0	1,110
UPR-200-E-89	299-E33-341	B1TP47	Selenium	7782-49-2	ug/kg	5/1/2008	5/1/2008	1	0	1,100
UPR-200-E-89	299-E33-341	B1TP49	Selenium	7782-49-2	ug/kg	5/1/2008	5/1/2008	1	0	1,100
UPR-200-E-89	299-E33-341	B1TP51	Selenium	7782-49-2	ug/kg	5/8/2008	5/8/2008	1	0	1,150
UPR-200-E-89	299-E33-341	B1TP52	Selenium	7782-49-2	ug/kg	5/8/2008	5/8/2008	1	0	1,110
UPR-200-E-89	299-E33-341	B1TP53	Selenium	7782-49-2	ug/kg	5/8/2008	5/8/2008	1	0	1,100
UPR-200-E-89	299-E33-341	B1TP55	Selenium	7782-49-2	ug/kg	5/8/2008	5/8/2008	1	0	1,120
UPR-200-E-89	299-E33-341	B1TP59	Selenium	7782-49-2	ug/kg	5/9/2008	5/9/2008	1	0	1,100
UPR-200-E-89	299-E33-341	B1TP61	Selenium	7782-49-2	ug/kg	5/9/2008	5/9/2008	1	0	1,100
UPR-200-E-89	299-E33-341	B1TP62	Selenium	7782-49-2	ug/kg	5/9/2008	5/9/2008	1	0	1,110

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	299-E33-341	B1TP64	Selenium	7782-49-2	ug/kg	5/9/2008	5/9/2008	1	0	1,120
UPR-200-E-89	299-E33-341	B1TP67	Selenium	7782-49-2	ug/kg	5/9/2008	5/9/2008	1	0	1,120
UPR-200-E-89	299-E33-341	B1TP69	Selenium	7782-49-2	ug/kg	5/9/2008	5/9/2008	1	0	1,120
UPR-200-E-89	299-E33-341	B1TP82	Selenium	7782-49-2	ug/kg	5/13/2008	5/13/2008	1	0	1,120
UPR-200-E-89	299-E33-341	B1TP93	Selenium	7782-49-2	ug/kg	5/22/2008	5/22/2008	1	0	1,180
UPR-200-E-89	299-E33-341	B1TP94	Selenium	7782-49-2	ug/kg	5/22/2008	5/22/2008	1	0	1,140
UPR-200-E-89	299-E33-341	B1TNV9	Silver	7440-22-4	ug/kg	4/29/2008	4/29/2008	1	0	67
UPR-200-E-89	299-E33-341	B1TNW0	Silver	7440-22-4	ug/kg	4/30/2008	4/30/2008	1	0	68
UPR-200-E-89	299-E33-341	B1TNW1	Silver	7440-22-4	ug/kg	4/30/2008	4/30/2008	1	0	67
UPR-200-E-89	299-E33-341	B1TNW3	Silver	7440-22-4	ug/kg	4/30/2008	4/30/2008	1	0	68
UPR-200-E-89	299-E33-341	B1TNW5	Silver	7440-22-4	ug/kg	4/30/2008	4/30/2008	1	0	68
UPR-200-E-89	299-E33-341	B1TP22	Silver	7440-22-4	ug/kg	4/29/2008	4/29/2008	1	0	67
UPR-200-E-89	299-E33-341	B1TP24	Silver	7440-22-4	ug/kg	4/29/2008	4/29/2008	1	0	69
UPR-200-E-89	299-E33-341	B1TP26	Silver	7440-22-4	ug/kg	4/29/2008	4/29/2008	1	0	67
UPR-200-E-89	299-E33-341	B1TP28	Silver	7440-22-4	ug/kg	4/29/2008	4/29/2008	1	0	67
UPR-200-E-89	299-E33-341	B1TP29	Silver	7440-22-4	ug/kg	4/29/2008	4/29/2008	1	0	67
UPR-200-E-89	299-E33-341	B1TP30	Silver	7440-22-4	ug/kg	4/29/2008	4/29/2008	1	0	69
UPR-200-E-89	299-E33-341	B1TP35	Silver	7440-22-4	ug/kg	4/30/2008	4/30/2008	1	0	68
UPR-200-E-89	299-E33-341	B1TP40	Silver	7440-22-4	ug/kg	5/1/2008	5/1/2008	1	0	68
UPR-200-E-89	299-E33-341	B1TP42	Silver	7440-22-4	ug/kg	5/1/2008	5/1/2008	1	0	66
UPR-200-E-89	299-E33-341	B1TP43	Silver	7440-22-4	ug/kg	5/1/2008	5/1/2008	1	0	74
UPR-200-E-89	299-E33-341	B1TP45	Silver	7440-22-4	ug/kg	5/1/2008	5/1/2008	1	0	67
UPR-200-E-89	299-E33-341	B1TP47	Silver	7440-22-4	ug/kg	5/1/2008	5/1/2008	1	0	67
UPR-200-E-89	299-E33-341	B1TP49	Silver	7440-22-4	ug/kg	5/1/2008	5/1/2008	1	0	66
UPR-200-E-89	299-E33-341	B1TP51	Silver	7440-22-4	ug/kg	5/8/2008	5/8/2008	1	0	70
UPR-200-E-89	299-E33-341	B1TP52	Silver	7440-22-4	ug/kg	5/8/2008	5/8/2008	1	0	68
UPR-200-E-89	299-E33-341	B1TP53	Silver	7440-22-4	ug/kg	5/8/2008	5/8/2008	1	0	67
UPR-200-E-89	299-E33-341	B1TP55	Silver	7440-22-4	ug/kg	5/8/2008	5/8/2008	1	0	68
UPR-200-E-89	299-E33-341	B1TP59	Silver	7440-22-4	ug/kg	5/9/2008	5/9/2008	1	0	67
UPR-200-E-89	299-E33-341	B1TP61	Silver	7440-22-4	ug/kg	5/9/2008	5/9/2008	1	0	67
UPR-200-E-89	299-E33-341	B1TP62	Silver	7440-22-4	ug/kg	5/9/2008	5/9/2008	1	0	68
UPR-200-E-89	299-E33-341	B1TP64	Silver	7440-22-4	ug/kg	5/9/2008	5/9/2008	1	0	68
UPR-200-E-89	299-E33-341	B1TP67	Silver	7440-22-4	ug/kg	5/9/2008	5/9/2008	1	0	68
UPR-200-E-89	299-E33-341	B1TP69	Silver	7440-22-4	ug/kg	5/9/2008	5/9/2008	1	0	68
UPR-200-E-89	299-E33-341	B1TP82	Silver	7440-22-4	ug/kg	5/13/2008	5/13/2008	1	0	68
UPR-200-E-89	299-E33-341	B1TP93	Silver	7440-22-4	ug/kg	5/22/2008	5/22/2008	1	0	71
UPR-200-E-89	299-E33-341	B1TP94	Silver	7440-22-4	ug/kg	5/22/2008	5/22/2008	1	0	69
UPR-200-E-89	299-E33-341	B1TP35	Sodium	7440-23-5	ug/kg	4/30/2008	4/30/2008	1	0	224,000
UPR-200-E-89	299-E33-341	B1TP40	Sodium	7440-23-5	ug/kg	5/1/2008	5/1/2008	1	0	225,000
UPR-200-E-89	299-E33-341	B1TP49	Sodium	7440-23-5	ug/kg	5/1/2008	5/1/2008	1	0	220,000
UPR-200-E-89	299-E33-341	B1TP55	Sodium	7440-23-5	ug/kg	5/8/2008	5/8/2008	1	0	224,000
UPR-200-E-89	299-E33-341	B1TP59	Sodium	7440-23-5	ug/kg	5/9/2008	5/9/2008	1	0	220,000
UPR-200-E-89	299-E33-341	B1TP61	Sodium	7440-23-5	ug/kg	5/9/2008	5/9/2008	1	0	221,000
UPR-200-E-89	299-E33-341	B1TP64	Sodium	7440-23-5	ug/kg	5/9/2008	5/9/2008	1	0	226,000
UPR-200-E-89	299-E33-341	B1TP67	Sodium	7440-23-5	ug/kg	5/9/2008	5/9/2008	1	0	224,000
UPR-200-E-89	299-E33-341	B1TNT2	Strontium-90	10098-97-2	pCi/g	5/22/2008	5/22/2008	1	0	0.33
UPR-200-E-89	299-E33-341	B1TT53	Strontium-90	10098-97-2	pCi/g	5/22/2008	5/22/2008	1	0	0.34
UPR-200-E-89	299-E33-341	B1TNT0	Styrene	100-42-5	ug/kg	5/22/2008	5/22/2008	1	0	0.88
UPR-200-E-89	299-E33-341	B1TNT3	Styrene	100-42-5	ug/kg	5/22/2008	5/22/2008	1	0	0.96
UPR-200-E-89	299-E33-341	B1TNW3	Sulfate	14808-79-8	ug/kg	4/30/2008	4/30/2008	1	0	150,000
UPR-200-E-89	299-E33-341	B1TP64	Sulfate	14808-79-8	ug/kg	5/9/2008	5/9/2008	1	0	150,000
UPR-200-E-89	299-E33-341	B1TNT2	Thorium-228	14274-82-9	pCi/g	5/22/2008	5/22/2008	1	0	0.66
UPR-200-E-89	299-E33-341	B1TNT2	Thorium-230	14269-63-7	pCi/g	5/22/2008	5/22/2008	1	0	0.46
UPR-200-E-89	299-E33-341	B1TNT2	Thorium-232	TH-232	pCi/g	5/22/2008	5/22/2008	1	0	0.46

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	299-E33-341	B1TNT0	Toluene	108-88-3	ug/kg	5/22/2008	5/22/2008	1	0	0.88
UPR-200-E-89	299-E33-341	B1TNT3	Toluene	108-88-3	ug/kg	5/22/2008	5/22/2008	1	0	0.96
UPR-200-E-89	299-E33-341	B1TP93	Total Inorganic Carbon	TINC	ug/kg	5/22/2008	5/22/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP94	Total Inorganic Carbon	TINC	ug/kg	5/22/2008	5/22/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TNV9	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TNW0	Total organic carbon	TOC	ug/kg	4/30/2008	4/30/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TNW1	Total organic carbon	TOC	ug/kg	4/30/2008	4/30/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TNW3	Total organic carbon	TOC	ug/kg	4/30/2008	4/30/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP22	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP24	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP26	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP28	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP30	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP35	Total organic carbon	TOC	ug/kg	4/30/2008	4/30/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP40	Total organic carbon	TOC	ug/kg	5/1/2008	5/1/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP42	Total organic carbon	TOC	ug/kg	5/1/2008	5/1/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP43	Total organic carbon	TOC	ug/kg	5/1/2008	5/1/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP45	Total organic carbon	TOC	ug/kg	5/1/2008	5/1/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP47	Total organic carbon	TOC	ug/kg	5/1/2008	5/1/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP49	Total organic carbon	TOC	ug/kg	5/1/2008	5/1/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP51	Total organic carbon	TOC	ug/kg	5/8/2008	5/8/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP59	Total organic carbon	TOC	ug/kg	5/9/2008	5/9/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP61	Total organic carbon	TOC	ug/kg	5/9/2008	5/9/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP62	Total organic carbon	TOC	ug/kg	5/9/2008	5/9/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP64	Total organic carbon	TOC	ug/kg	5/9/2008	5/9/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP67	Total organic carbon	TOC	ug/kg	5/9/2008	5/9/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP69	Total organic carbon	TOC	ug/kg	5/9/2008	5/9/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TP82	Total organic carbon	TOC	ug/kg	5/13/2008	5/13/2008	1	0	200,000
UPR-200-E-89	299-E33-341	B1TNT2	Tritium	10028-17-8	pCi/g	5/22/2008	5/22/2008	1	0	3.9
UPR-200-E-89	299-E33-341	B1TT53	Tritium	10028-17-8	pCi/g	5/22/2008	5/22/2008	1	0	4.1
UPR-200-E-89	C8132	B29J32	2-Hydroxyacetate	GLYCOLATE	ug/kg	1/4/2011	1/4/2011	1	0	92
UPR-200-E-89	C8132	B29J33	2-Hydroxyacetate	GLYCOLATE	ug/kg	1/5/2011	1/5/2011	1	0	93
UPR-200-E-89	C8132	B29J34	2-Hydroxyacetate	GLYCOLATE	ug/kg	1/6/2011	1/6/2011	1	0	92
UPR-200-E-89	C8132	B29J34	Acetate	71-50-1	ug/kg	1/6/2011	1/6/2011	1	0	60
UPR-200-E-89	C8132	B29J32	Americium-241	14596-10-2	pCi/g	1/4/2011	1/4/2011	1	0	0.50
UPR-200-E-89	C8132	B29J33	Americium-241	14596-10-2	pCi/g	1/5/2011	1/5/2011	1	0	0.65
UPR-200-E-89	C8132	B29J34	Americium-241	14596-10-2	pCi/g	1/6/2011	1/6/2011	1	0	0.63
UPR-200-E-89	C8132	B29J32	Antimony-125	14234-35-6	pCi/g	1/4/2011	1/4/2011	1	0	1.1
UPR-200-E-89	C8132	B29J33	Antimony-125	14234-35-6	pCi/g	1/5/2011	1/5/2011	1	0	1.1
UPR-200-E-89	C8132	B29J34	Antimony-125	14234-35-6	pCi/g	1/6/2011	1/6/2011	1	0	1.3
UPR-200-E-89	C8132	B29J32	Carbon-14	14762-75-5	pCi/g	1/4/2011	1/4/2011	1	0	2.6
UPR-200-E-89	C8132	B29J33	Carbon-14	14762-75-5	pCi/g	1/5/2011	1/5/2011	1	0	2.5
UPR-200-E-89	C8132	B29J34	Carbon-14	14762-75-5	pCi/g	1/6/2011	1/6/2011	1	0	2.6
UPR-200-E-89	C8132	B29J32	Cesium-137	10045-97-3	pCi/g	1/4/2011	1/4/2011	1	0	0.54
UPR-200-E-89	C8132	B29J33	Cesium-137	10045-97-3	pCi/g	1/5/2011	1/5/2011	1	0	0.61
UPR-200-E-89	C8132	B29J34	Cesium-137	10045-97-3	pCi/g	1/6/2011	1/6/2011	1	0	0.64
UPR-200-E-89	C8132	B29J32	Cobalt-60	10198-40-0	pCi/g	1/4/2011	1/4/2011	1	0	0.38
UPR-200-E-89	C8132	B29J33	Cobalt-60	10198-40-0	pCi/g	1/5/2011	1/5/2011	1	0	0.41
UPR-200-E-89	C8132	B29J34	Cobalt-60	10198-40-0	pCi/g	1/6/2011	1/6/2011	1	0	0.39
UPR-200-E-89	C8132	B29J32	Cyanide	57-12-5	ug/kg	1/4/2011	1/4/2011	1	0	480
UPR-200-E-89	C8132	B29J33	Cyanide	57-12-5	ug/kg	1/5/2011	1/5/2011	1	0	480
UPR-200-E-89	C8132	B29J34	Cyanide	57-12-5	ug/kg	1/6/2011	1/6/2011	1	0	480
UPR-200-E-89	C8132	B29J32	Europium-152	14683-23-9	pCi/g	1/4/2011	1/4/2011	1	0	1.9
UPR-200-E-89	C8132	B29J33	Europium-152	14683-23-9	pCi/g	1/5/2011	1/5/2011	1	0	2.1

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8132	B29J34	Europium-152	14683-23-9	pCi/g	1/6/2011	1/6/2011	1	0	2.6
UPR-200-E-89	C8132	B29J32	Europium-154	15585-10-1	pCi/g	1/4/2011	1/4/2011	1	0	1.3
UPR-200-E-89	C8132	B29J33	Europium-154	15585-10-1	pCi/g	1/5/2011	1/5/2011	1	0	1.4
UPR-200-E-89	C8132	B29J34	Europium-154	15585-10-1	pCi/g	1/6/2011	1/6/2011	1	0	1.5
UPR-200-E-89	C8132	B29J32	Europium-155	14391-16-3	pCi/g	1/4/2011	1/4/2011	1	0	1.1
UPR-200-E-89	C8132	B29J33	Europium-155	14391-16-3	pCi/g	1/5/2011	1/5/2011	1	0	1.1
UPR-200-E-89	C8132	B29J34	Europium-155	14391-16-3	pCi/g	1/6/2011	1/6/2011	1	0	1.3
UPR-200-E-89	C8132	B29J34	Formate	FORMATE	ug/kg	1/6/2011	1/6/2011	1	0	46
UPR-200-E-89	C8132	B29J32	Mercury	7439-97-6	ug/kg	1/4/2011	1/4/2011	1	0	9.4
UPR-200-E-89	C8132	B29J33	Mercury	7439-97-6	ug/kg	1/5/2011	1/5/2011	1	0	9.6
UPR-200-E-89	C8132	B29J34	Mercury	7439-97-6	ug/kg	1/6/2011	1/6/2011	1	0	9.3
UPR-200-E-89	C8132	B29J32	Molybdenum	7439-98-7	ug/kg	1/4/2011	1/4/2011	1	0	1,990
UPR-200-E-89	C8132	B29J33	Molybdenum	7439-98-7	ug/kg	1/5/2011	1/5/2011	1	0	2,000
UPR-200-E-89	C8132	B29J34	Molybdenum	7439-98-7	ug/kg	1/6/2011	1/6/2011	1	0	1,970
UPR-200-E-89	C8132	B29J32	Nickel-63	13981-37-8	pCi/g	1/4/2011	1/4/2011	1	0	5.1
UPR-200-E-89	C8132	B29J33	Nickel-63	13981-37-8	pCi/g	1/5/2011	1/5/2011	1	0	4.7
UPR-200-E-89	C8132	B29J34	Nickel-63	13981-37-8	pCi/g	1/6/2011	1/6/2011	1	0	4.5
UPR-200-E-89	C8132	B29J32	Plutonium-238	13981-16-3	pCi/g	1/4/2011	1/4/2011	1	0	0.30
UPR-200-E-89	C8132	B29J33	Plutonium-238	13981-16-3	pCi/g	1/5/2011	1/5/2011	1	0	0.72
UPR-200-E-89	C8132	B29J34	Plutonium-238	13981-16-3	pCi/g	1/6/2011	1/6/2011	1	0	0.57
UPR-200-E-89	C8132	B29J32	Plutonium-239/240	PU-239/240	pCi/g	1/4/2011	1/4/2011	1	0	0.30
UPR-200-E-89	C8132	B29J33	Plutonium-239/240	PU-239/240	pCi/g	1/5/2011	1/5/2011	1	0	0.72
UPR-200-E-89	C8132	B29J34	Plutonium-239/240	PU-239/240	pCi/g	1/6/2011	1/6/2011	1	0	0.57
UPR-200-E-89	C8132	B29J32	Selenium	7782-49-2	ug/kg	1/4/2011	1/4/2011	1	0	1,340
UPR-200-E-89	C8132	B29J33	Selenium	7782-49-2	ug/kg	1/5/2011	1/5/2011	1	0	1,350
UPR-200-E-89	C8132	B29J34	Selenium	7782-49-2	ug/kg	1/6/2011	1/6/2011	1	0	1,330
UPR-200-E-89	C8132	B29J32	Selenium-79	15758-45-9	pCi/g	1/4/2011	1/4/2011	1	0	2.1
UPR-200-E-89	C8132	B29J33	Selenium-79	15758-45-9	pCi/g	1/5/2011	1/5/2011	1	0	2.6
UPR-200-E-89	C8132	B29J34	Selenium-79	15758-45-9	pCi/g	1/6/2011	1/6/2011	1	0	3.4
UPR-200-E-89	C8132	B29J32	Strontium-90	10098-97-2	pCi/g	1/4/2011	1/4/2011	1	0	0.25
UPR-200-E-89	C8132	B29J33	Strontium-90	10098-97-2	pCi/g	1/5/2011	1/5/2011	1	0	0.82
UPR-200-E-89	C8132	B29J34	Strontium-90	10098-97-2	pCi/g	1/6/2011	1/6/2011	1	0	0.76
UPR-200-E-89	C8132	B29J33	Tritium	10028-17-8	pCi/g	1/5/2011	1/5/2011	1	0	3.9
UPR-200-E-89	C8134	B29J35	2-Hydroxyacetate	GLYCOLATE	ug/kg	3/11/2011	3/11/2011	1	0	93
UPR-200-E-89	C8134	B29J36	2-Hydroxyacetate	GLYCOLATE	ug/kg	3/15/2011	3/15/2011	1	0	93
UPR-200-E-89	C8134	B29J37	2-Hydroxyacetate	GLYCOLATE	ug/kg	3/16/2011	3/16/2011	1	0	93
UPR-200-E-89	C8134	B29J37	Acetate	71-50-1	ug/kg	3/16/2011	3/16/2011	1	0	60
UPR-200-E-89	C8134	B29J35	Americium-241	14596-10-2	pCi/g	3/11/2011	3/11/2011	1	0	0.49
UPR-200-E-89	C8134	B29J36	Americium-241	14596-10-2	pCi/g	3/15/2011	3/15/2011	1	0	0.57
UPR-200-E-89	C8134	B29J37	Americium-241	14596-10-2	pCi/g	3/16/2011	3/16/2011	1	0	0.56
UPR-200-E-89	C8134	B29J35	Ammonium ion	14798-03-9	ug/kg	3/11/2011	3/11/2011	1	0	476
UPR-200-E-89	C8134	B29J35	Antimony-125	14234-35-6	pCi/g	3/11/2011	3/11/2011	1	0	0.31
UPR-200-E-89	C8134	B29J36	Antimony-125	14234-35-6	pCi/g	3/15/2011	3/15/2011	1	0	0.31
UPR-200-E-89	C8134	B29J37	Antimony-125	14234-35-6	pCi/g	3/16/2011	3/16/2011	1	0	0.31
UPR-200-E-89	C8134	B29J35	Bismuth-212	14913-49-6	pCi/g	3/11/2011	3/11/2011	1	0	1.6
UPR-200-E-89	C8134	B29J35	Carbon-14	14762-75-5	pCi/g	3/11/2011	3/11/2011	1	0	1.3
UPR-200-E-89	C8134	B29J36	Carbon-14	14762-75-5	pCi/g	3/15/2011	3/15/2011	1	0	2.6
UPR-200-E-89	C8134	B29J37	Carbon-14	14762-75-5	pCi/g	3/16/2011	3/16/2011	1	0	2.9
UPR-200-E-89	C8134	B29J35	Cesium-137	10045-97-3	pCi/g	3/11/2011	3/11/2011	1	0	0.12
UPR-200-E-89	C8134	B29J36	Cesium-137	10045-97-3	pCi/g	3/15/2011	3/15/2011	1	0	0.12
UPR-200-E-89	C8134	B29J37	Cesium-137	10045-97-3	pCi/g	3/16/2011	3/16/2011	1	0	0.12
UPR-200-E-89	C8134	B29J35	Cobalt-60	10198-40-0	pCi/g	3/11/2011	3/11/2011	1	0	0.096
UPR-200-E-89	C8134	B29J36	Cobalt-60	10198-40-0	pCi/g	3/15/2011	3/15/2011	1	0	0.12
UPR-200-E-89	C8134	B29J37	Cobalt-60	10198-40-0	pCi/g	3/16/2011	3/16/2011	1	0	0.12

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8134	B29J35	Cyanide	57-12-5	ug/kg	3/11/2011	3/11/2011	1	0	480
UPR-200-E-89	C8134	B29J36	Cyanide	57-12-5	ug/kg	3/15/2011	3/15/2011	1	0	480
UPR-200-E-89	C8134	B29J37	Cyanide	57-12-5	ug/kg	3/16/2011	3/16/2011	1	0	480
UPR-200-E-89	C8134	B29J35	Europium-152	14683-23-9	pCi/g	3/11/2011	3/11/2011	1	0	0.22
UPR-200-E-89	C8134	B29J36	Europium-152	14683-23-9	pCi/g	3/15/2011	3/15/2011	1	0	0.21
UPR-200-E-89	C8134	B29J37	Europium-152	14683-23-9	pCi/g	3/16/2011	3/16/2011	1	0	0.25
UPR-200-E-89	C8134	B29J35	Europium-154	15585-10-1	pCi/g	3/11/2011	3/11/2011	1	0	0.16
UPR-200-E-89	C8134	B29J36	Europium-154	15585-10-1	pCi/g	3/15/2011	3/15/2011	1	0	0.15
UPR-200-E-89	C8134	B29J37	Europium-154	15585-10-1	pCi/g	3/16/2011	3/16/2011	1	0	0.18
UPR-200-E-89	C8134	B29J35	Europium-155	14391-16-3	pCi/g	3/11/2011	3/11/2011	1	0	0.31
UPR-200-E-89	C8134	B29J36	Europium-155	14391-16-3	pCi/g	3/15/2011	3/15/2011	1	0	0.29
UPR-200-E-89	C8134	B29J37	Europium-155	14391-16-3	pCi/g	3/16/2011	3/16/2011	1	0	0.33
UPR-200-E-89	C8134	B29J35	Mercury	7439-97-6	ug/kg	3/11/2011	3/11/2011	1	0	8.4
UPR-200-E-89	C8134	B29J37	Mercury	7439-97-6	ug/kg	3/16/2011	3/16/2011	1	0	8.5
UPR-200-E-89	C8134	B29J35	Nickel-63	13981-37-8	pCi/g	3/11/2011	3/11/2011	1	0	9.3
UPR-200-E-89	C8134	B29J36	Nickel-63	13981-37-8	pCi/g	3/15/2011	3/15/2011	1	0	13
UPR-200-E-89	C8134	B29J37	Nickel-63	13981-37-8	pCi/g	3/16/2011	3/16/2011	1	0	21
UPR-200-E-89	C8134	B29J35	Nitrite	14797-65-0	ug/kg	3/11/2011	3/11/2011	1	0	191
UPR-200-E-89	C8134	B29J35	Oxalate	338-70-5	ug/kg	3/11/2011	3/11/2011	1	0	230
UPR-200-E-89	C8134	B29J37	Oxalate	338-70-5	ug/kg	3/16/2011	3/16/2011	1	0	230
UPR-200-E-89	C8134	B29J35	Phosphate	14265-44-2	ug/kg	3/11/2011	3/11/2011	1	0	166
UPR-200-E-89	C8134	B29J37	Phosphate	14265-44-2	ug/kg	3/16/2011	3/16/2011	1	0	166
UPR-200-E-89	C8134	B29J35	Plutonium-238	13981-16-3	pCi/g	3/11/2011	3/11/2011	1	0	0.30
UPR-200-E-89	C8134	B29J36	Plutonium-238	13981-16-3	pCi/g	3/15/2011	3/15/2011	1	0	0.27
UPR-200-E-89	C8134	B29J35	Plutonium-239/240	PU-239/240	pCi/g	3/11/2011	3/11/2011	1	0	0.30
UPR-200-E-89	C8134	B29J36	Plutonium-239/240	PU-239/240	pCi/g	3/15/2011	3/15/2011	1	0	0.27
UPR-200-E-89	C8134	B29J35	Selenium	7782-49-2	ug/kg	3/11/2011	3/11/2011	1	0	1,340
UPR-200-E-89	C8134	B29J36	Selenium	7782-49-2	ug/kg	3/15/2011	3/15/2011	1	0	1,340
UPR-200-E-89	C8134	B29J37	Selenium	7782-49-2	ug/kg	3/16/2011	3/16/2011	1	0	1,340
UPR-200-E-89	C8134	B29J36	Selenium-79	15758-45-9	pCi/g	3/15/2011	3/15/2011	1	0	1.2
UPR-200-E-89	C8134	B29J37	Selenium-79	15758-45-9	pCi/g	3/16/2011	3/16/2011	1	0	1.5
UPR-200-E-89	C8134	B29J35	Strontium-90	10098-97-2	pCi/g	3/11/2011	3/11/2011	1	0	0.11
UPR-200-E-89	C8134	B29J36	Strontium-90	10098-97-2	pCi/g	3/15/2011	3/15/2011	1	0	0.42
UPR-200-E-89	C8134	B29J37	Strontium-90	10098-97-2	pCi/g	3/16/2011	3/16/2011	1	0	0.42
UPR-200-E-89	C8134	B29J35	Tritium	10028-17-8	pCi/g	3/11/2011	3/11/2011	1	0	2.7
UPR-200-E-89	C8134	B29J36	Tritium	10028-17-8	pCi/g	3/15/2011	3/15/2011	1	0	2.8
UPR-200-E-89	C8134	B29J37	Tritium	10028-17-8	pCi/g	3/16/2011	3/16/2011	1	0	2.7
UPR-200-E-89	C8136	B29J38	2-Hydroxyacetate	GLYCOLATE	ug/kg	2/1/2011	2/1/2011	1	0	93
UPR-200-E-89	C8136	B29J39	2-Hydroxyacetate	GLYCOLATE	ug/kg	2/2/2011	2/2/2011	1	0	93
UPR-200-E-89	C8136	B29J40	2-Hydroxyacetate	GLYCOLATE	ug/kg	2/9/2011	2/9/2011	1	0	93
UPR-200-E-89	C8136	B2BDT0	2-Hydroxyacetate	GLYCOLATE	ug/kg	2/10/2011	2/10/2011	1	0	92
UPR-200-E-89	C8136	B29J40	Acetate	71-50-1	ug/kg	2/9/2011	2/9/2011	1	0	60
UPR-200-E-89	C8136	B2BDT0	Acetate	71-50-1	ug/kg	2/10/2011	2/10/2011	1	0	60
UPR-200-E-89	C8136	B29J38	Americium-241	14596-10-2	pCi/g	2/1/2011	2/1/2011	1	0	0.56
UPR-200-E-89	C8136	B29J39	Americium-241	14596-10-2	pCi/g	2/2/2011	2/2/2011	1	0	0.52
UPR-200-E-89	C8136	B29J40	Americium-241	14596-10-2	pCi/g	2/9/2011	2/9/2011	1	0	0.48
UPR-200-E-89	C8136	B2BDT0	Americium-241	14596-10-2	pCi/g	2/10/2011	2/10/2011	1	0	0.49
UPR-200-E-89	C8136	B29J38	Antimony-125	14234-35-6	pCi/g	2/1/2011	2/1/2011	1	0	0.51
UPR-200-E-89	C8136	B29J39	Antimony-125	14234-35-6	pCi/g	2/2/2011	2/2/2011	1	0	0.63
UPR-200-E-89	C8136	B29J40	Antimony-125	14234-35-6	pCi/g	2/9/2011	2/9/2011	1	0	0.68
UPR-200-E-89	C8136	B2BDT0	Antimony-125	14234-35-6	pCi/g	2/10/2011	2/10/2011	1	0	0.47
UPR-200-E-89	C8136	B29J38	Carbon-14	14762-75-5	pCi/g	2/1/2011	2/1/2011	1	0	2.5
UPR-200-E-89	C8136	B29J39	Carbon-14	14762-75-5	pCi/g	2/2/2011	2/2/2011	1	0	2.6
UPR-200-E-89	C8136	B2BDT0	Carbon-14	14762-75-5	pCi/g	2/10/2011	2/10/2011	1	0	2.4

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8136	B29J38	Cesium-137	10045-97-3	pCi/g	2/1/2011	2/1/2011	1	0	0.20
UPR-200-E-89	C8136	B29J39	Cesium-137	10045-97-3	pCi/g	2/2/2011	2/2/2011	1	0	0.25
UPR-200-E-89	C8136	B29J40	Cesium-137	10045-97-3	pCi/g	2/9/2011	2/9/2011	1	0	0.26
UPR-200-E-89	C8136	B2BDT0	Cesium-137	10045-97-3	pCi/g	2/10/2011	2/10/2011	1	0	0.15
UPR-200-E-89	C8136	B29J38	Cobalt-60	10198-40-0	pCi/g	2/1/2011	2/1/2011	1	0	0.19
UPR-200-E-89	C8136	B29J39	Cobalt-60	10198-40-0	pCi/g	2/2/2011	2/2/2011	1	0	0.27
UPR-200-E-89	C8136	B29J40	Cobalt-60	10198-40-0	pCi/g	2/9/2011	2/9/2011	1	0	0.27
UPR-200-E-89	C8136	B2BDT0	Cobalt-60	10198-40-0	pCi/g	2/10/2011	2/10/2011	1	0	0.18
UPR-200-E-89	C8136	B29J38	Cyanide	57-12-5	ug/kg	2/1/2011	2/1/2011	1	0	479
UPR-200-E-89	C8136	B29J39	Cyanide	57-12-5	ug/kg	2/2/2011	2/2/2011	1	0	480
UPR-200-E-89	C8136	B29J40	Cyanide	57-12-5	ug/kg	2/9/2011	2/9/2011	1	0	479
UPR-200-E-89	C8136	B2BDT0	Cyanide	57-12-5	ug/kg	2/10/2011	2/10/2011	1	0	480
UPR-200-E-89	C8136	B29J38	Europium-152	14683-23-9	pCi/g	2/1/2011	2/1/2011	1	0	0.40
UPR-200-E-89	C8136	B29J39	Europium-152	14683-23-9	pCi/g	2/2/2011	2/2/2011	1	0	0.44
UPR-200-E-89	C8136	B29J40	Europium-152	14683-23-9	pCi/g	2/9/2011	2/9/2011	1	0	0.47
UPR-200-E-89	C8136	B2BDT0	Europium-152	14683-23-9	pCi/g	2/10/2011	2/10/2011	1	0	0.36
UPR-200-E-89	C8136	B29J38	Europium-154	15585-10-1	pCi/g	2/1/2011	2/1/2011	1	0	0.29
UPR-200-E-89	C8136	B29J39	Europium-154	15585-10-1	pCi/g	2/2/2011	2/2/2011	1	0	0.33
UPR-200-E-89	C8136	B29J40	Europium-154	15585-10-1	pCi/g	2/9/2011	2/9/2011	1	0	0.33
UPR-200-E-89	C8136	B2BDT0	Europium-154	15585-10-1	pCi/g	2/10/2011	2/10/2011	1	0	0.25
UPR-200-E-89	C8136	B29J38	Europium-155	14391-16-3	pCi/g	2/1/2011	2/1/2011	1	0	0.55
UPR-200-E-89	C8136	B29J39	Europium-155	14391-16-3	pCi/g	2/2/2011	2/2/2011	1	0	0.44
UPR-200-E-89	C8136	B29J40	Europium-155	14391-16-3	pCi/g	2/9/2011	2/9/2011	1	0	0.64
UPR-200-E-89	C8136	B2BDT0	Europium-155	14391-16-3	pCi/g	2/10/2011	2/10/2011	1	0	0.48
UPR-200-E-89	C8136	B29J38	Mercury	7439-97-6	ug/kg	2/1/2011	2/1/2011	1	0	9.6
UPR-200-E-89	C8136	B29J39	Mercury	7439-97-6	ug/kg	2/2/2011	2/2/2011	1	0	9.9
UPR-200-E-89	C8136	B29J40	Mercury	7439-97-6	ug/kg	2/9/2011	2/9/2011	1	0	9.7
UPR-200-E-89	C8136	B2BDT0	Mercury	7439-97-6	ug/kg	2/10/2011	2/10/2011	1	0	9.6
UPR-200-E-89	C8136	B29J39	Molybdenum	7439-98-7	ug/kg	2/2/2011	2/2/2011	1	0	998
UPR-200-E-89	C8136	B2BDT0	Molybdenum	7439-98-7	ug/kg	2/10/2011	2/10/2011	1	0	996
UPR-200-E-89	C8136	B29J38	Nickel-63	13981-37-8	pCi/g	2/1/2011	2/1/2011	1	0	4.9
UPR-200-E-89	C8136	B29J39	Nickel-63	13981-37-8	pCi/g	2/2/2011	2/2/2011	1	0	8.1
UPR-200-E-89	C8136	B29J40	Nickel-63	13981-37-8	pCi/g	2/9/2011	2/9/2011	1	0	5.2
UPR-200-E-89	C8136	B2BDT0	Nickel-63	13981-37-8	pCi/g	2/10/2011	2/10/2011	1	0	4.8
UPR-200-E-89	C8136	B29J38	Plutonium-238	13981-16-3	pCi/g	2/1/2011	2/1/2011	1	0	0.33
UPR-200-E-89	C8136	B29J39	Plutonium-238	13981-16-3	pCi/g	2/2/2011	2/2/2011	1	0	0.34
UPR-200-E-89	C8136	B2BDT0	Plutonium-238	13981-16-3	pCi/g	2/10/2011	2/10/2011	1	0	0.27
UPR-200-E-89	C8136	B29J38	Plutonium-239/240	PU-239/240	pCi/g	2/1/2011	2/1/2011	1	0	0.33
UPR-200-E-89	C8136	B29J39	Plutonium-239/240	PU-239/240	pCi/g	2/2/2011	2/2/2011	1	0	0.34
UPR-200-E-89	C8136	B2BDT0	Plutonium-239/240	PU-239/240	pCi/g	2/10/2011	2/10/2011	1	0	0.27
UPR-200-E-89	C8136	B29J38	Selenium	7782-49-2	ug/kg	2/1/2011	2/1/2011	1	0	1,330
UPR-200-E-89	C8136	B29J39	Selenium	7782-49-2	ug/kg	2/2/2011	2/2/2011	1	0	1,340
UPR-200-E-89	C8136	B29J40	Selenium	7782-49-2	ug/kg	2/9/2011	2/9/2011	1	0	1,340
UPR-200-E-89	C8136	B2BDT0	Selenium	7782-49-2	ug/kg	2/10/2011	2/10/2011	1	0	1,340
UPR-200-E-89	C8136	B29J38	Selenium-79	15758-45-9	pCi/g	2/1/2011	2/1/2011	1	0	1.7
UPR-200-E-89	C8136	B29J39	Selenium-79	15758-45-9	pCi/g	2/2/2011	2/2/2011	1	0	1.4
UPR-200-E-89	C8136	B29J38	Strontium-90	10098-97-2	pCi/g	2/1/2011	2/1/2011	1	0	0.22
UPR-200-E-89	C8136	B29J39	Strontium-90	10098-97-2	pCi/g	2/2/2011	2/2/2011	1	0	0.64
UPR-200-E-89	C8136	B29J40	Strontium-90	10098-97-2	pCi/g	2/9/2011	2/9/2011	1	0	0.22
UPR-200-E-89	C8136	B2BDT0	Strontium-90	10098-97-2	pCi/g	2/10/2011	2/10/2011	1	0	0.21
UPR-200-E-89	C8138	B29J41	2-Hydroxyacetate	GLYCOLATE	ug/kg	3/23/2011	3/23/2011	1	0	94
UPR-200-E-89	C8138	B29J42	2-Hydroxyacetate	GLYCOLATE	ug/kg	3/25/2011	3/25/2011	1	0	93
UPR-200-E-89	C8138	B29J43	2-Hydroxyacetate	GLYCOLATE	ug/kg	3/28/2011	3/28/2011	1	0	93
UPR-200-E-89	C8138	B2BH80	2-Hydroxyacetate	GLYCOLATE	ug/kg	3/30/2011	3/30/2011	1	0	93

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8138	B29J41	Acetate	71-50-1	ug/kg	3/23/2011	3/23/2011	1	0	60
UPR-200-E-89	C8138	B29J42	Acetate	71-50-1	ug/kg	3/25/2011	3/25/2011	1	0	60
UPR-200-E-89	C8138	B2BH80	Acetate	71-50-1	ug/kg	3/30/2011	3/30/2011	1	0	60
UPR-200-E-89	C8138	B29J41	Americium-241	14596-10-2	pCi/g	3/23/2011	3/23/2011	1	0	0.49
UPR-200-E-89	C8138	B29J42	Americium-241	14596-10-2	pCi/g	3/25/2011	3/25/2011	1	0	0.46
UPR-200-E-89	C8138	B29J43	Americium-241	14596-10-2	pCi/g	3/28/2011	3/28/2011	1	0	0.53
UPR-200-E-89	C8138	B2BH80	Americium-241	14596-10-2	pCi/g	3/30/2011	3/30/2011	1	0	0.45
UPR-200-E-89	C8138	B29J41	Antimony-125	14234-35-6	pCi/g	3/23/2011	3/23/2011	1	0	0.24
UPR-200-E-89	C8138	B29J42	Antimony-125	14234-35-6	pCi/g	3/25/2011	3/25/2011	1	0	0.30
UPR-200-E-89	C8138	B29J43	Antimony-125	14234-35-6	pCi/g	3/28/2011	3/28/2011	1	0	0.25
UPR-200-E-89	C8138	B2BH80	Antimony-125	14234-35-6	pCi/g	3/30/2011	3/30/2011	1	0	0.27
UPR-200-E-89	C8138	B29J43	Bismuth-212	14913-49-6	pCi/g	3/28/2011	3/28/2011	1	0	1.2
UPR-200-E-89	C8138	B29J41	Carbon-14	14762-75-5	pCi/g	3/23/2011	3/23/2011	1	0	2.6
UPR-200-E-89	C8138	B29J42	Carbon-14	14762-75-5	pCi/g	3/25/2011	3/25/2011	1	0	2.6
UPR-200-E-89	C8138	B29J43	Carbon-14	14762-75-5	pCi/g	3/28/2011	3/28/2011	1	0	2.6
UPR-200-E-89	C8138	B29J41	Cesium-137	10045-97-3	pCi/g	3/23/2011	3/23/2011	1	0	0.098
UPR-200-E-89	C8138	B29J42	Cesium-137	10045-97-3	pCi/g	3/25/2011	3/25/2011	1	0	0.12
UPR-200-E-89	C8138	B29J43	Cesium-137	10045-97-3	pCi/g	3/28/2011	3/28/2011	1	0	0.091
UPR-200-E-89	C8138	B2BH80	Cesium-137	10045-97-3	pCi/g	3/30/2011	3/30/2011	1	0	0.087
UPR-200-E-89	C8138	B29J41	Cobalt-60	10198-40-0	pCi/g	3/23/2011	3/23/2011	1	0	0.097
UPR-200-E-89	C8138	B29J42	Cobalt-60	10198-40-0	pCi/g	3/25/2011	3/25/2011	1	0	0.12
UPR-200-E-89	C8138	B29J43	Cobalt-60	10198-40-0	pCi/g	3/28/2011	3/28/2011	1	0	0.11
UPR-200-E-89	C8138	B2BH80	Cobalt-60	10198-40-0	pCi/g	3/30/2011	3/30/2011	1	0	0.10
UPR-200-E-89	C8138	B29J41	Cyanide	57-12-5	ug/kg	3/23/2011	3/23/2011	1	0	480
UPR-200-E-89	C8138	B29J42	Cyanide	57-12-5	ug/kg	3/25/2011	3/25/2011	1	0	480
UPR-200-E-89	C8138	B29J43	Cyanide	57-12-5	ug/kg	3/28/2011	3/28/2011	1	0	480
UPR-200-E-89	C8138	B2BH80	Cyanide	57-12-5	ug/kg	3/30/2011	3/30/2011	1	0	480
UPR-200-E-89	C8138	B29J41	Europium-152	14683-23-9	pCi/g	3/23/2011	3/23/2011	1	0	0.22
UPR-200-E-89	C8138	B29J42	Europium-152	14683-23-9	pCi/g	3/25/2011	3/25/2011	1	0	0.24
UPR-200-E-89	C8138	B29J43	Europium-152	14683-23-9	pCi/g	3/28/2011	3/28/2011	1	0	0.25
UPR-200-E-89	C8138	B2BH80	Europium-152	14683-23-9	pCi/g	3/30/2011	3/30/2011	1	0	0.24
UPR-200-E-89	C8138	B29J41	Europium-154	15585-10-1	pCi/g	3/23/2011	3/23/2011	1	0	0.16
UPR-200-E-89	C8138	B29J42	Europium-154	15585-10-1	pCi/g	3/25/2011	3/25/2011	1	0	0.17
UPR-200-E-89	C8138	B29J43	Europium-154	15585-10-1	pCi/g	3/28/2011	3/28/2011	1	0	0.18
UPR-200-E-89	C8138	B2BH80	Europium-154	15585-10-1	pCi/g	3/30/2011	3/30/2011	1	0	0.17
UPR-200-E-89	C8138	B29J41	Europium-155	14391-16-3	pCi/g	3/23/2011	3/23/2011	1	0	0.29
UPR-200-E-89	C8138	B29J42	Europium-155	14391-16-3	pCi/g	3/25/2011	3/25/2011	1	0	0.32
UPR-200-E-89	C8138	B29J43	Europium-155	14391-16-3	pCi/g	3/28/2011	3/28/2011	1	0	0.34
UPR-200-E-89	C8138	B2BH80	Europium-155	14391-16-3	pCi/g	3/30/2011	3/30/2011	1	0	0.33
UPR-200-E-89	C8138	B29J41	Mercury	7439-97-6	ug/kg	3/23/2011	3/23/2011	1	0	8.4
UPR-200-E-89	C8138	B29J42	Mercury	7439-97-6	ug/kg	3/25/2011	3/25/2011	1	0	9.6
UPR-200-E-89	C8138	B29J43	Mercury	7439-97-6	ug/kg	3/28/2011	3/28/2011	1	0	10.0
UPR-200-E-89	C8138	B2BH80	Mercury	7439-97-6	ug/kg	3/30/2011	3/30/2011	1	0	9.5
UPR-200-E-89	C8138	B29J41	Molybdenum	7439-98-7	ug/kg	3/23/2011	3/23/2011	1	0	1,980
UPR-200-E-89	C8138	B29J42	Molybdenum	7439-98-7	ug/kg	3/25/2011	3/25/2011	1	0	1,990
UPR-200-E-89	C8138	B2BH80	Molybdenum	7439-98-7	ug/kg	3/30/2011	3/30/2011	1	0	1,980
UPR-200-E-89	C8138	B29J41	Nickel-63	13981-37-8	pCi/g	3/23/2011	3/23/2011	1	0	6.6
UPR-200-E-89	C8138	B29J42	Nickel-63	13981-37-8	pCi/g	3/25/2011	3/25/2011	1	0	14
UPR-200-E-89	C8138	B29J43	Nickel-63	13981-37-8	pCi/g	3/28/2011	3/28/2011	1	0	17
UPR-200-E-89	C8138	B2BH80	Nickel-63	13981-37-8	pCi/g	3/30/2011	3/30/2011	1	0	17
UPR-200-E-89	C8138	B29J42	Oxalate	338-70-5	ug/kg	3/25/2011	3/25/2011	1	0	230
UPR-200-E-89	C8138	B2BH80	Oxalate	338-70-5	ug/kg	3/30/2011	3/30/2011	1	0	229
UPR-200-E-89	C8138	B29J41	Plutonium-238	13981-16-3	pCi/g	3/23/2011	3/23/2011	1	0	0.28
UPR-200-E-89	C8138	B29J42	Plutonium-238	13981-16-3	pCi/g	3/25/2011	3/25/2011	1	0	0.30

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8138	B29J43	Plutonium-238	13981-16-3	pCi/g	3/28/2011	3/28/2011	1	0	0.23
UPR-200-E-89	C8138	B2BH80	Plutonium-238	13981-16-3	pCi/g	3/30/2011	3/30/2011	1	0	0.25
UPR-200-E-89	C8138	B29J41	Plutonium-239/240	PU-239/240	pCi/g	3/23/2011	3/23/2011	1	0	0.28
UPR-200-E-89	C8138	B29J42	Plutonium-239/240	PU-239/240	pCi/g	3/25/2011	3/25/2011	1	0	0.30
UPR-200-E-89	C8138	B29J43	Plutonium-239/240	PU-239/240	pCi/g	3/28/2011	3/28/2011	1	0	0.23
UPR-200-E-89	C8138	B2BH80	Plutonium-239/240	PU-239/240	pCi/g	3/30/2011	3/30/2011	1	0	0.25
UPR-200-E-89	C8138	B29J41	Selenium	7782-49-2	ug/kg	3/23/2011	3/23/2011	1	0	1,330
UPR-200-E-89	C8138	B29J42	Selenium	7782-49-2	ug/kg	3/25/2011	3/25/2011	1	0	1,350
UPR-200-E-89	C8138	B29J43	Selenium	7782-49-2	ug/kg	3/28/2011	3/28/2011	1	0	1,340
UPR-200-E-89	C8138	B2BH80	Selenium	7782-49-2	ug/kg	3/30/2011	3/30/2011	1	0	1,340
UPR-200-E-89	C8138	B29J41	Selenium-79	15758-45-9	pCi/g	3/23/2011	3/23/2011	1	0	1.1
UPR-200-E-89	C8138	B29J42	Selenium-79	15758-45-9	pCi/g	3/25/2011	3/25/2011	1	0	1.9
UPR-200-E-89	C8138	B2BH80	Selenium-79	15758-45-9	pCi/g	3/30/2011	3/30/2011	1	0	1.5
UPR-200-E-89	C8138	B29J41	Strontium-90	10098-97-2	pCi/g	3/23/2011	3/23/2011	1	0	0.41
UPR-200-E-89	C8138	B29J42	Strontium-90	10098-97-2	pCi/g	3/25/2011	3/25/2011	1	0	0.11
UPR-200-E-89	C8138	B29J43	Strontium-90	10098-97-2	pCi/g	3/28/2011	3/28/2011	1	0	0.43
UPR-200-E-89	C8138	B29J41	Tritium	10028-17-8	pCi/g	3/23/2011	3/23/2011	1	0	2.7
UPR-200-E-89	C8138	B29J42	Tritium	10028-17-8	pCi/g	3/25/2011	3/25/2011	1	0	2.8
UPR-200-E-89	C8138	B29J43	Tritium	10028-17-8	pCi/g	3/28/2011	3/28/2011	1	0	2.8
UPR-200-E-89	C8138	B2BH80	Tritium	10028-17-8	pCi/g	3/30/2011	3/30/2011	1	0	2.7
UPR-200-E-89	C8140	B29J63	2-Hydroxyacetate	GLYCOLATE	ug/kg	2/25/2011	2/25/2011	1	0	93
UPR-200-E-89	C8140	B29J64	2-Hydroxyacetate	GLYCOLATE	ug/kg	3/2/2011	3/2/2011	1	0	93
UPR-200-E-89	C8140	B29J65	2-Hydroxyacetate	GLYCOLATE	ug/kg	3/3/2011	3/3/2011	1	0	93
UPR-200-E-89	C8140	B29J63	Americium-241	14596-10-2	pCi/g	2/25/2011	2/25/2011	1	0	0.48
UPR-200-E-89	C8140	B29J64	Americium-241	14596-10-2	pCi/g	3/2/2011	3/2/2011	1	0	0.52
UPR-200-E-89	C8140	B29J65	Americium-241	14596-10-2	pCi/g	3/3/2011	3/3/2011	1	0	0.53
UPR-200-E-89	C8140	B29J63	Antimony-125	14234-35-6	pCi/g	2/25/2011	2/25/2011	1	0	0.27
UPR-200-E-89	C8140	B29J64	Antimony-125	14234-35-6	pCi/g	3/2/2011	3/2/2011	1	0	0.26
UPR-200-E-89	C8140	B29J65	Antimony-125	14234-35-6	pCi/g	3/3/2011	3/3/2011	1	0	0.25
UPR-200-E-89	C8140	B29J63	Carbon-14	14762-75-5	pCi/g	2/25/2011	2/25/2011	1	0	2.6
UPR-200-E-89	C8140	B29J64	Carbon-14	14762-75-5	pCi/g	3/2/2011	3/2/2011	1	0	2.6
UPR-200-E-89	C8140	B29J65	Carbon-14	14762-75-5	pCi/g	3/3/2011	3/3/2011	1	0	2.6
UPR-200-E-89	C8140	B29J63	Cesium-137	10045-97-3	pCi/g	2/25/2011	2/25/2011	1	0	0.11
UPR-200-E-89	C8140	B29J64	Cesium-137	10045-97-3	pCi/g	3/2/2011	3/2/2011	1	0	0.093
UPR-200-E-89	C8140	B29J65	Cesium-137	10045-97-3	pCi/g	3/3/2011	3/3/2011	1	0	0.085
UPR-200-E-89	C8140	B29J63	Cobalt-60	10198-40-0	pCi/g	2/25/2011	2/25/2011	1	0	0.11
UPR-200-E-89	C8140	B29J64	Cobalt-60	10198-40-0	pCi/g	3/2/2011	3/2/2011	1	0	0.11
UPR-200-E-89	C8140	B29J65	Cobalt-60	10198-40-0	pCi/g	3/3/2011	3/3/2011	1	0	0.097
UPR-200-E-89	C8140	B29J63	Cyanide	57-12-5	ug/kg	2/25/2011	2/25/2011	1	0	480
UPR-200-E-89	C8140	B29J64	Cyanide	57-12-5	ug/kg	3/2/2011	3/2/2011	1	0	480
UPR-200-E-89	C8140	B29J65	Cyanide	57-12-5	ug/kg	3/3/2011	3/3/2011	1	0	480
UPR-200-E-89	C8140	B29J63	Europium-152	14683-23-9	pCi/g	2/25/2011	2/25/2011	1	0	0.18
UPR-200-E-89	C8140	B29J64	Europium-152	14683-23-9	pCi/g	3/2/2011	3/2/2011	1	0	0.26
UPR-200-E-89	C8140	B29J65	Europium-152	14683-23-9	pCi/g	3/3/2011	3/3/2011	1	0	0.23
UPR-200-E-89	C8140	B29J63	Europium-154	15585-10-1	pCi/g	2/25/2011	2/25/2011	1	0	0.14
UPR-200-E-89	C8140	B29J64	Europium-154	15585-10-1	pCi/g	3/2/2011	3/2/2011	1	0	0.18
UPR-200-E-89	C8140	B29J65	Europium-154	15585-10-1	pCi/g	3/3/2011	3/3/2011	1	0	0.14
UPR-200-E-89	C8140	B29J63	Europium-155	14391-16-3	pCi/g	2/25/2011	2/25/2011	1	0	0.24
UPR-200-E-89	C8140	B29J64	Europium-155	14391-16-3	pCi/g	3/2/2011	3/2/2011	1	0	0.35
UPR-200-E-89	C8140	B29J65	Europium-155	14391-16-3	pCi/g	3/3/2011	3/3/2011	1	0	0.31
UPR-200-E-89	C8140	B29J65	Lead	7439-92-1	ug/kg	3/3/2011	3/3/2011	1	0	150
UPR-200-E-89	C8140	B29J63	Mercury	7439-97-6	ug/kg	2/25/2011	2/25/2011	1	0	8.9
UPR-200-E-89	C8140	B29J64	Mercury	7439-97-6	ug/kg	3/2/2011	3/2/2011	1	0	9.6
UPR-200-E-89	C8140	B29J65	Mercury	7439-97-6	ug/kg	3/3/2011	3/3/2011	1	0	10.0

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8140	B29J63	Molybdenum	7439-98-7	ug/kg	2/25/2011	2/25/2011	1	0	1,990
UPR-200-E-89	C8140	B29J64	Molybdenum	7439-98-7	ug/kg	3/2/2011	3/2/2011	1	0	1,990
UPR-200-E-89	C8140	B29J65	Molybdenum	7439-98-7	ug/kg	3/3/2011	3/3/2011	1	0	1,990
UPR-200-E-89	C8140	B29J63	Nickel-63	13981-37-8	pCi/g	2/25/2011	2/25/2011	1	0	10
UPR-200-E-89	C8140	B29J64	Nickel-63	13981-37-8	pCi/g	3/2/2011	3/2/2011	1	0	10.0
UPR-200-E-89	C8140	B29J65	Nickel-63	13981-37-8	pCi/g	3/3/2011	3/3/2011	1	0	7.3
UPR-200-E-89	C8140	B29J63	Nitrite	14797-65-0	ug/kg	2/25/2011	2/25/2011	1	0	191
UPR-200-E-89	C8140	B29J64	Oxalate	338-70-5	ug/kg	3/2/2011	3/2/2011	1	0	229
UPR-200-E-89	C8140	B29J65	Oxalate	338-70-5	ug/kg	3/3/2011	3/3/2011	1	0	229
UPR-200-E-89	C8140	B29J63	Phosphate	14265-44-2	ug/kg	2/25/2011	2/25/2011	1	0	166
UPR-200-E-89	C8140	B29J65	Phosphate	14265-44-2	ug/kg	3/3/2011	3/3/2011	1	0	166
UPR-200-E-89	C8140	B29J63	Plutonium-238	13981-16-3	pCi/g	2/25/2011	2/25/2011	1	0	0.24
UPR-200-E-89	C8140	B29J64	Plutonium-238	13981-16-3	pCi/g	3/2/2011	3/2/2011	1	0	0.25
UPR-200-E-89	C8140	B29J65	Plutonium-238	13981-16-3	pCi/g	3/3/2011	3/3/2011	1	0	0.28
UPR-200-E-89	C8140	B29J63	Plutonium-239/240	PU-239/240	pCi/g	2/25/2011	2/25/2011	1	0	0.24
UPR-200-E-89	C8140	B29J64	Plutonium-239/240	PU-239/240	pCi/g	3/2/2011	3/2/2011	1	0	0.25
UPR-200-E-89	C8140	B29J65	Plutonium-239/240	PU-239/240	pCi/g	3/3/2011	3/3/2011	1	0	0.28
UPR-200-E-89	C8140	B29J63	Selenium	7782-49-2	ug/kg	2/25/2011	2/25/2011	1	0	1,340
UPR-200-E-89	C8140	B29J64	Selenium	7782-49-2	ug/kg	3/2/2011	3/2/2011	1	0	1,340
UPR-200-E-89	C8140	B29J65	Selenium	7782-49-2	ug/kg	3/3/2011	3/3/2011	1	0	1,350
UPR-200-E-89	C8140	B29J64	Selenium-79	15758-45-9	pCi/g	3/2/2011	3/2/2011	1	0	1.3
UPR-200-E-89	C8140	B29J65	Selenium-79	15758-45-9	pCi/g	3/3/2011	3/3/2011	1	0	2.0
UPR-200-E-89	C8140	B29J63	Strontium-90	10098-97-2	pCi/g	2/25/2011	2/25/2011	1	0	0.43
UPR-200-E-89	C8140	B29J64	Strontium-90	10098-97-2	pCi/g	3/2/2011	3/2/2011	1	0	0.40
UPR-200-E-89	C8140	B29J65	Strontium-90	10098-97-2	pCi/g	3/3/2011	3/3/2011	1	0	0.31
UPR-200-E-89	C8140	B29J64	Sulfate	14808-79-8	ug/kg	3/2/2011	3/2/2011	1	0	185
UPR-200-E-89	C8140	B29J63	Tritium	10028-17-8	pCi/g	2/25/2011	2/25/2011	1	0	2.8
UPR-200-E-89	C8140	B29J64	Tritium	10028-17-8	pCi/g	3/2/2011	3/2/2011	1	0	2.8
UPR-200-E-89	C8140	B29J65	Tritium	10028-17-8	pCi/g	3/3/2011	3/3/2011	1	0	2.7
UPR-200-E-89	C8706	B33B19	2-Butanone	78-93-3	ug/kg	10/22/2015	10/22/2015	1	0	1.8
UPR-200-E-89	C8706	B33B28	2-Butanone	78-93-3	ug/kg	10/22/2015	10/22/2015	1	0	2.0
UPR-200-E-89	C8706	B33B16	2-Chlorophenol	95-57-8	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	2-Chlorophenol	95-57-8	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	2-Chlorophenol	95-57-8	ug/kg	10/22/2015	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/22/2015	10/22/2015	1	0	139
UPR-200-E-89	C8706	B33B24	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/22/2015	10/22/2015	1	0	138
UPR-200-E-89	C8706	B33B29	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/22/2015	10/22/2015	1	0	138
UPR-200-E-89	C8706	B33B16	Americium-241	14596-10-2	pCi/g	10/22/2015	10/22/2015	1	0	0.44
UPR-200-E-89	C8706	B33B24	Americium-241	14596-10-2	pCi/g	10/22/2015	10/22/2015	1	0	0.39
UPR-200-E-89	C8706	B33B29	Americium-241	14596-10-2	pCi/g	10/22/2015	10/22/2015	1	0	0.46
UPR-200-E-89	C8706	B35N89	Americium-241	14596-10-2	pCi/g	5/25/2016	5/25/2016	1	0	0.068
UPR-200-E-89	C8706	B35N91	Americium-241	14596-10-2	pCi/g	5/25/2016	5/25/2016	1	0	0.086
UPR-200-E-89	C8706	B35N93	Americium-241	14596-10-2	pCi/g	5/25/2016	5/25/2016	1	0	0.081
UPR-200-E-89	C8706	B35N95	Americium-241	14596-10-2	pCi/g	5/26/2016	5/26/2016	1	0	0.063
UPR-200-E-89	C8706	B35N97	Americium-241	14596-10-2	pCi/g	5/26/2016	5/26/2016	1	0	0.063
UPR-200-E-89	C8706	B35N99	Americium-241	14596-10-2	pCi/g	6/1/2016	6/1/2016	1	0	0.058
UPR-200-E-89	C8706	B35NB1	Americium-241	14596-10-2	pCi/g	6/1/2016	6/1/2016	1	0	0.067
UPR-200-E-89	C8706	B35N88	Antimony	7440-36-0	ug/kg	6/2/2016	6/2/2016	1	0	320
UPR-200-E-89	C8706	B35N90	Antimony	7440-36-0	ug/kg	5/25/2016	5/25/2016	1	0	300
UPR-200-E-89	C8706	B35N96	Antimony	7440-36-0	ug/kg	5/26/2016	5/26/2016	1	0	280
UPR-200-E-89	C8706	B35N98	Antimony	7440-36-0	ug/kg	5/26/2016	5/26/2016	1	0	300
UPR-200-E-89	C8706	B35NB0	Antimony	7440-36-0	ug/kg	6/1/2016	6/1/2016	1	0	320
UPR-200-E-89	C8706	B35NB2	Antimony	7440-36-0	ug/kg	6/1/2016	6/1/2016	1	0	300
UPR-200-E-89	C8706	B33B24	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	1	0	3.5

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8706	B33B29	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	1	0	3.4
UPR-200-E-89	C8706	B33B16	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/22/2015	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	Butylbenzylphthalate	85-68-7	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Butylbenzylphthalate	85-68-7	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Butylbenzylphthalate	85-68-7	ug/kg	10/22/2015	10/22/2015	1	0	103
UPR-200-E-89	C8706	B35N96	Cadmium	7440-43-9	ug/kg	5/26/2016	5/26/2016	1	0	73
UPR-200-E-89	C8706	B35N98	Cadmium	7440-43-9	ug/kg	5/26/2016	5/26/2016	1	0	79
UPR-200-E-89	C8706	B33B24	Carbon-14	14762-75-5	pCi/g	10/22/2015	10/22/2015	1	0	3.5
UPR-200-E-89	C8706	B33B29	Carbon-14	14762-75-5	pCi/g	10/22/2015	10/22/2015	1	0	3.5
UPR-200-E-89	C8706	B35N89	Cesium-137	10045-97-3	pCi/g	5/25/2016	5/25/2016	1	0	0.040
UPR-200-E-89	C8706	B35N93	Cesium-137	10045-97-3	pCi/g	5/25/2016	5/25/2016	1	0	0.030
UPR-200-E-89	C8706	B35N95	Cesium-137	10045-97-3	pCi/g	5/26/2016	5/26/2016	1	0	0.023
UPR-200-E-89	C8706	B35N97	Cesium-137	10045-97-3	pCi/g	5/26/2016	5/26/2016	1	0	0.072
UPR-200-E-89	C8706	B35N99	Cesium-137	10045-97-3	pCi/g	6/1/2016	6/1/2016	1	0	0.050
UPR-200-E-89	C8706	B35NB1	Cesium-137	10045-97-3	pCi/g	6/1/2016	6/1/2016	1	0	0.086
UPR-200-E-89	C8706	B33B19	Chloroform	67-66-3	ug/kg	10/22/2015	10/22/2015	1	0	0.18
UPR-200-E-89	C8706	B33B28	Chloroform	67-66-3	ug/kg	10/22/2015	10/22/2015	1	0	0.20
UPR-200-E-89	C8706	B33B20	Cobalt-60	10198-40-0	pCi/g	10/22/2015	10/22/2015	1	0	0.043
UPR-200-E-89	C8706	B33B29	Cobalt-60	10198-40-0	pCi/g	10/22/2015	10/22/2015	1	0	0.042
UPR-200-E-89	C8706	B35N87	Cobalt-60	10198-40-0	pCi/g	6/2/2016	6/2/2016	1	0	0.045
UPR-200-E-89	C8706	B35N89	Cobalt-60	10198-40-0	pCi/g	5/25/2016	5/25/2016	1	0	0.033
UPR-200-E-89	C8706	B35N93	Cobalt-60	10198-40-0	pCi/g	5/25/2016	5/25/2016	1	0	0.039
UPR-200-E-89	C8706	B35N95	Cobalt-60	10198-40-0	pCi/g	5/26/2016	5/26/2016	1	0	0.025
UPR-200-E-89	C8706	B35N97	Cobalt-60	10198-40-0	pCi/g	5/26/2016	5/26/2016	1	0	0.073
UPR-200-E-89	C8706	B35N99	Cobalt-60	10198-40-0	pCi/g	6/1/2016	6/1/2016	1	0	0.055
UPR-200-E-89	C8706	B35NB1	Cobalt-60	10198-40-0	pCi/g	6/1/2016	6/1/2016	1	0	0.094
UPR-200-E-89	C8706	B33B29	Cyanide	57-12-5	ug/kg	10/22/2015	10/22/2015	1	0	78
UPR-200-E-89	C8706	B35N96	Cyanide	57-12-5	ug/kg	5/26/2016	5/26/2016	1	0	110
UPR-200-E-89	C8706	B35N98	Cyanide	57-12-5	ug/kg	5/26/2016	5/26/2016	1	0	110
UPR-200-E-89	C8706	B35NB0	Cyanide	57-12-5	ug/kg	6/1/2016	6/1/2016	1	0	110
UPR-200-E-89	C8706	B33B16	Diethylphthalate	84-66-2	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Diethylphthalate	84-66-2	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Diethylphthalate	84-66-2	ug/kg	10/22/2015	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	Di-n-butylphthalate	84-74-2	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Di-n-butylphthalate	84-74-2	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Di-n-butylphthalate	84-74-2	ug/kg	10/22/2015	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B24	Europium-152	14683-23-9	pCi/g	10/22/2015	10/22/2015	1	0	0.11
UPR-200-E-89	C8706	B33B29	Europium-152	14683-23-9	pCi/g	10/22/2015	10/22/2015	1	0	0.11
UPR-200-E-89	C8706	B35N87	Europium-152	14683-23-9	pCi/g	6/2/2016	6/2/2016	1	0	0.57
UPR-200-E-89	C8706	B35N89	Europium-152	14683-23-9	pCi/g	5/25/2016	5/25/2016	1	0	0.053
UPR-200-E-89	C8706	B35N91	Europium-152	14683-23-9	pCi/g	5/25/2016	5/25/2016	1	0	0.058
UPR-200-E-89	C8706	B35N93	Europium-152	14683-23-9	pCi/g	5/25/2016	5/25/2016	1	0	0.078
UPR-200-E-89	C8706	B35N95	Europium-152	14683-23-9	pCi/g	5/26/2016	5/26/2016	1	0	0.049
UPR-200-E-89	C8706	B35N97	Europium-152	14683-23-9	pCi/g	5/26/2016	5/26/2016	1	0	0.18
UPR-200-E-89	C8706	B35N99	Europium-152	14683-23-9	pCi/g	6/1/2016	6/1/2016	1	0	0.080
UPR-200-E-89	C8706	B35NB1	Europium-152	14683-23-9	pCi/g	6/1/2016	6/1/2016	1	0	0.18
UPR-200-E-89	C8706	B33B24	Europium-154	15585-10-1	pCi/g	10/22/2015	10/22/2015	1	0	0.11
UPR-200-E-89	C8706	B33B29	Europium-154	15585-10-1	pCi/g	10/22/2015	10/22/2015	1	0	0.13
UPR-200-E-89	C8706	B35N87	Europium-154	15585-10-1	pCi/g	6/2/2016	6/2/2016	1	0	0.14
UPR-200-E-89	C8706	B35N89	Europium-154	15585-10-1	pCi/g	5/25/2016	5/25/2016	1	0	0.093
UPR-200-E-89	C8706	B35N91	Europium-154	15585-10-1	pCi/g	5/25/2016	5/25/2016	1	0	0.091
UPR-200-E-89	C8706	B35N93	Europium-154	15585-10-1	pCi/g	5/25/2016	5/25/2016	1	0	0.087

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8706	B35N95	Europium-154	15585-10-1	pCi/g	5/26/2016	5/26/2016	1	0	0.100
UPR-200-E-89	C8706	B35N97	Europium-154	15585-10-1	pCi/g	5/26/2016	5/26/2016	1	0	0.24
UPR-200-E-89	C8706	B35N99	Europium-154	15585-10-1	pCi/g	6/1/2016	6/1/2016	1	0	0.17
UPR-200-E-89	C8706	B35NB1	Europium-154	15585-10-1	pCi/g	6/1/2016	6/1/2016	1	0	0.27
UPR-200-E-89	C8706	B33B20	Europium-155	14391-16-3	pCi/g	10/22/2015	10/22/2015	1	0	0.10
UPR-200-E-89	C8706	B33B29	Europium-155	14391-16-3	pCi/g	10/22/2015	10/22/2015	1	0	0.12
UPR-200-E-89	C8706	B35N87	Europium-155	14391-16-3	pCi/g	6/2/2016	6/2/2016	1	0	0.39
UPR-200-E-89	C8706	B35N89	Europium-155	14391-16-3	pCi/g	5/25/2016	5/25/2016	1	0	0.047
UPR-200-E-89	C8706	B35N91	Europium-155	14391-16-3	pCi/g	5/25/2016	5/25/2016	1	0	0.059
UPR-200-E-89	C8706	B35N93	Europium-155	14391-16-3	pCi/g	5/25/2016	5/25/2016	1	0	0.097
UPR-200-E-89	C8706	B35N95	Europium-155	14391-16-3	pCi/g	5/26/2016	5/26/2016	1	0	0.045
UPR-200-E-89	C8706	B35N97	Europium-155	14391-16-3	pCi/g	5/26/2016	5/26/2016	1	0	0.16
UPR-200-E-89	C8706	B35N99	Europium-155	14391-16-3	pCi/g	6/1/2016	6/1/2016	1	0	0.060
UPR-200-E-89	C8706	B35NB1	Europium-155	14391-16-3	pCi/g	6/1/2016	6/1/2016	1	0	0.15
UPR-200-E-89	C8706	B35N90	Fluoride	16984-48-8	ug/kg	5/25/2016	5/25/2016	1	0	150
UPR-200-E-89	C8706	B35N92	Fluoride	16984-48-8	ug/kg	5/25/2016	5/25/2016	1	0	160
UPR-200-E-89	C8706	B35N94	Fluoride	16984-48-8	ug/kg	5/25/2016	5/25/2016	1	0	150
UPR-200-E-89	C8706	B33B29	Hexavalent Chromium	18540-29-9	ug/kg	10/22/2015	10/22/2015	1	0	124
UPR-200-E-89	C8706	B35N89	Hexavalent Chromium	18540-29-9	ug/kg	5/25/2016	5/25/2016	1	0	150
UPR-200-E-89	C8706	B35N93	Hexavalent Chromium	18540-29-9	ug/kg	5/25/2016	5/25/2016	1	0	150
UPR-200-E-89	C8706	B35N95	Hexavalent Chromium	18540-29-9	ug/kg	5/26/2016	5/26/2016	1	0	150
UPR-200-E-89	C8706	B35N97	Hexavalent Chromium	18540-29-9	ug/kg	5/26/2016	5/26/2016	1	0	150
UPR-200-E-89	C8706	B35N99	Hexavalent Chromium	18540-29-9	ug/kg	6/1/2016	6/1/2016	1	0	150
UPR-200-E-89	C8706	B35NB1	Hexavalent Chromium	18540-29-9	ug/kg	6/1/2016	6/1/2016	1	0	150
UPR-200-E-89	C8706	B33B24	Mercury	7439-97-6	ug/kg	10/22/2015	10/22/2015	1	0	3.9
UPR-200-E-89	C8706	B33B29	Mercury	7439-97-6	ug/kg	10/22/2015	10/22/2015	1	0	3.8
UPR-200-E-89	C8706	B35NB0	Mercury	7439-97-6	ug/kg	6/1/2016	6/1/2016	1	0	11
UPR-200-E-89	C8706	B33B19	Methylene chloride	75-09-2	ug/kg	10/22/2015	10/22/2015	1	0	0.95
UPR-200-E-89	C8706	B33B28	Methylene chloride	75-09-2	ug/kg	10/22/2015	10/22/2015	1	0	1.1
UPR-200-E-89	C8706	B33B16	Nickel-63	13981-37-8	pCi/g	10/22/2015	10/22/2015	1	0	13
UPR-200-E-89	C8706	B33B24	Nickel-63	13981-37-8	pCi/g	10/22/2015	10/22/2015	1	0	12
UPR-200-E-89	C8706	B33B29	Nickel-63	13981-37-8	pCi/g	10/22/2015	10/22/2015	1	0	16
UPR-200-E-89	C8706	B35N87	Nickel-63	13981-37-8	pCi/g	6/2/2016	6/2/2016	1	0	6.8
UPR-200-E-89	C8706	B35N93	Nickel-63	13981-37-8	pCi/g	5/25/2016	5/25/2016	1	0	6.2
UPR-200-E-89	C8706	B35N95	Nickel-63	13981-37-8	pCi/g	5/26/2016	5/26/2016	1	0	6.7
UPR-200-E-89	C8706	B35N97	Nickel-63	13981-37-8	pCi/g	5/26/2016	5/26/2016	1	0	7.0
UPR-200-E-89	C8706	B35N99	Nickel-63	13981-37-8	pCi/g	6/1/2016	6/1/2016	1	0	6.7
UPR-200-E-89	C8706	B35NB1	Nickel-63	13981-37-8	pCi/g	6/1/2016	6/1/2016	1	0	6.8
UPR-200-E-89	C8706	B33B17	Nitrite	14797-65-0	ug/kg	10/22/2015	10/22/2015	1	0	1,110
UPR-200-E-89	C8706	B33B26	Nitrite	14797-65-0	ug/kg	10/22/2015	10/22/2015	1	0	1,110
UPR-200-E-89	C8706	B33B31	Nitrite	14797-65-0	ug/kg	10/22/2015	10/22/2015	1	0	1,100
UPR-200-E-89	C8706	B35N96	Nitrite	14797-65-0	ug/kg	5/26/2016	5/26/2016	1	0	184
UPR-200-E-89	C8706	B35N98	Nitrite	14797-65-0	ug/kg	5/26/2016	5/26/2016	1	0	187
UPR-200-E-89	C8706	B35NB0	Nitrite	14797-65-0	ug/kg	6/1/2016	6/1/2016	1	0	184
UPR-200-E-89	C8706	B35NB2	Nitrite	14797-65-0	ug/kg	6/1/2016	6/1/2016	1	0	187
UPR-200-E-89	C8706	B33B16	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/22/2015	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	Phenol	108-95-2	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Phenol	108-95-2	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Phenol	108-95-2	ug/kg	10/22/2015	10/22/2015	1	0	103
UPR-200-E-89	C8706	B35N90	Phenol	108-95-2	ug/kg	5/25/2016	5/25/2016	1	0	34
UPR-200-E-89	C8706	B35N92	Phenol	108-95-2	ug/kg	5/25/2016	5/25/2016	1	0	38
UPR-200-E-89	C8706	B35N94	Phenol	108-95-2	ug/kg	5/25/2016	5/25/2016	1	0	34

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8706	B35N96	Phenol	108-95-2	ug/kg	5/26/2016	5/26/2016	1	0	34
UPR-200-E-89	C8706	B35N98	Phenol	108-95-2	ug/kg	5/26/2016	5/26/2016	1	0	34
UPR-200-E-89	C8706	B33B17	Phosphate	14265-44-2	ug/kg	10/22/2015	10/22/2015	1	0	2,110
UPR-200-E-89	C8706	B33B22	Phosphate	14265-44-2	ug/kg	10/22/2015	10/22/2015	1	0	2,100
UPR-200-E-89	C8706	B33B31	Phosphate	14265-44-2	ug/kg	10/22/2015	10/22/2015	1	0	2,090
UPR-200-E-89	C8706	B35N94	Phosphate	14265-44-2	ug/kg	5/25/2016	5/25/2016	1	0	580
UPR-200-E-89	C8706	B35N96	Phosphate	14265-44-2	ug/kg	5/26/2016	5/26/2016	1	0	580
UPR-200-E-89	C8706	B35N98	Phosphate	14265-44-2	ug/kg	5/26/2016	5/26/2016	1	0	580
UPR-200-E-89	C8706	B35NB0	Phosphate	14265-44-2	ug/kg	6/1/2016	6/1/2016	1	0	580
UPR-200-E-89	C8706	B35NB2	Phosphate	14265-44-2	ug/kg	6/1/2016	6/1/2016	1	0	580
UPR-200-E-89	C8706	B33B16	Plutonium-238	13981-16-3	pCi/g	10/22/2015	10/22/2015	1	0	0.35
UPR-200-E-89	C8706	B33B20	Plutonium-238	13981-16-3	pCi/g	10/22/2015	10/22/2015	1	0	0.28
UPR-200-E-89	C8706	B33B29	Plutonium-238	13981-16-3	pCi/g	10/22/2015	10/22/2015	1	0	0.52
UPR-200-E-89	C8706	B35N87	Plutonium-238	13981-16-3	pCi/g	6/2/2016	6/2/2016	1	0	0.089
UPR-200-E-89	C8706	B35N89	Plutonium-238	13981-16-3	pCi/g	5/25/2016	5/25/2016	1	0	0.074
UPR-200-E-89	C8706	B35N91	Plutonium-238	13981-16-3	pCi/g	5/25/2016	5/25/2016	1	0	0.059
UPR-200-E-89	C8706	B35N93	Plutonium-238	13981-16-3	pCi/g	5/25/2016	5/25/2016	1	0	0.055
UPR-200-E-89	C8706	B35N95	Plutonium-238	13981-16-3	pCi/g	5/26/2016	5/26/2016	1	0	0.077
UPR-200-E-89	C8706	B35N97	Plutonium-238	13981-16-3	pCi/g	5/26/2016	5/26/2016	1	0	0.097
UPR-200-E-89	C8706	B35N99	Plutonium-238	13981-16-3	pCi/g	6/1/2016	6/1/2016	1	0	0.075
UPR-200-E-89	C8706	B35NB1	Plutonium-238	13981-16-3	pCi/g	6/1/2016	6/1/2016	1	0	0.060
UPR-200-E-89	C8706	B33B16	Plutonium-239/240	PU-239/240	pCi/g	10/22/2015	10/22/2015	1	0	0.42
UPR-200-E-89	C8706	B33B24	Plutonium-239/240	PU-239/240	pCi/g	10/22/2015	10/22/2015	1	0	0.40
UPR-200-E-89	C8706	B33B29	Plutonium-239/240	PU-239/240	pCi/g	10/22/2015	10/22/2015	1	0	0.54
UPR-200-E-89	C8706	B35N89	Plutonium-239/240	PU-239/240	pCi/g	5/25/2016	5/25/2016	1	0	0.064
UPR-200-E-89	C8706	B35N91	Plutonium-239/240	PU-239/240	pCi/g	5/25/2016	5/25/2016	1	0	0.048
UPR-200-E-89	C8706	B35N95	Plutonium-239/240	PU-239/240	pCi/g	5/26/2016	5/26/2016	1	0	0.052
UPR-200-E-89	C8706	B35N97	Plutonium-239/240	PU-239/240	pCi/g	5/26/2016	5/26/2016	1	0	0.057
UPR-200-E-89	C8706	B35N99	Plutonium-239/240	PU-239/240	pCi/g	6/1/2016	6/1/2016	1	0	0.052
UPR-200-E-89	C8706	B35NB1	Plutonium-239/240	PU-239/240	pCi/g	6/1/2016	6/1/2016	1	0	0.058
UPR-200-E-89	C8706	B33B16	Pyrene	129-00-0	ug/kg	10/22/2015	10/22/2015	1	0	10
UPR-200-E-89	C8706	B33B24	Pyrene	129-00-0	ug/kg	10/22/2015	10/22/2015	1	0	10
UPR-200-E-89	C8706	B33B29	Pyrene	129-00-0	ug/kg	10/22/2015	10/22/2015	1	0	10
UPR-200-E-89	C8706	B33B24	Silver	7440-22-4	ug/kg	10/22/2015	10/22/2015	1	0	101
UPR-200-E-89	C8706	B33B29	Silver	7440-22-4	ug/kg	10/22/2015	10/22/2015	1	0	97
UPR-200-E-89	C8706	B35N88	Silver	7440-22-4	ug/kg	6/2/2016	6/2/2016	1	0	120
UPR-200-E-89	C8706	B35N92	Silver	7440-22-4	ug/kg	5/25/2016	5/25/2016	1	0	120
UPR-200-E-89	C8706	B35N94	Silver	7440-22-4	ug/kg	5/25/2016	5/25/2016	1	0	120
UPR-200-E-89	C8706	B35N96	Silver	7440-22-4	ug/kg	5/26/2016	5/26/2016	1	0	110
UPR-200-E-89	C8706	B35NB0	Silver	7440-22-4	ug/kg	6/1/2016	6/1/2016	1	0	120
UPR-200-E-89	C8706	B33B29	Strontium-90	10098-97-2	pCi/g	10/22/2015	10/22/2015	1	0	1.8
UPR-200-E-89	C8706	B35N93	Strontium-90	10098-97-2	pCi/g	5/25/2016	5/25/2016	1	0	0.27
UPR-200-E-89	C8706	B35N95	Strontium-90	10098-97-2	pCi/g	5/26/2016	5/26/2016	1	0	0.23
UPR-200-E-89	C8706	B35N97	Strontium-90	10098-97-2	pCi/g	5/26/2016	5/26/2016	1	0	0.27
UPR-200-E-89	C8706	B35N99	Strontium-90	10098-97-2	pCi/g	6/1/2016	6/1/2016	1	0	0.27
UPR-200-E-89	C8706	B35NB1	Strontium-90	10098-97-2	pCi/g	6/1/2016	6/1/2016	1	0	0.27
UPR-200-E-89	C8706	B33B19	Styrene	100-42-5	ug/kg	10/22/2015	10/22/2015	1	0	0.18
UPR-200-E-89	C8706	B33B28	Styrene	100-42-5	ug/kg	10/22/2015	10/22/2015	1	0	0.20
UPR-200-E-89	C8706	B33B24	Technetium-99	14133-76-7	pCi/g	10/22/2015	10/22/2015	1	0	10
UPR-200-E-89	C8706	B33B29	Technetium-99	14133-76-7	pCi/g	10/22/2015	10/22/2015	1	0	11
UPR-200-E-89	C8706	B33B28	Toluene	108-88-3	ug/kg	10/22/2015	10/22/2015	1	0	0.20
UPR-200-E-89	C8706	B33B16	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/22/2015	10/22/2015	1	0	2,260

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8706	B33B24	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/22/2015	10/22/2015	1	0	2,250
UPR-200-E-89	C8706	B33B16	Tributyl phosphate	126-73-8	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Tributyl phosphate	126-73-8	ug/kg	10/22/2015	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Tributyl phosphate	126-73-8	ug/kg	10/22/2015	10/22/2015	1	0	103
UPR-200-E-89	C8706	B35N88	Tributyl phosphate	126-73-8	ug/kg	6/2/2016	6/2/2016	1	0	48
UPR-200-E-89	C8706	B35N90	Tributyl phosphate	126-73-8	ug/kg	5/25/2016	5/25/2016	1	0	47
UPR-200-E-89	C8706	B35N92	Tributyl phosphate	126-73-8	ug/kg	5/25/2016	5/25/2016	1	0	52
UPR-200-E-89	C8706	B35N94	Tributyl phosphate	126-73-8	ug/kg	5/25/2016	5/25/2016	1	0	47
UPR-200-E-89	C8706	B35N96	Tributyl phosphate	126-73-8	ug/kg	5/26/2016	5/26/2016	1	0	47
UPR-200-E-89	C8706	B35N98	Tributyl phosphate	126-73-8	ug/kg	5/26/2016	5/26/2016	1	0	47
UPR-200-E-89	C8706	B35NB0	Tributyl phosphate	126-73-8	ug/kg	6/1/2016	6/1/2016	1	0	47
UPR-200-E-89	C8706	B35NB2	Tributyl phosphate	126-73-8	ug/kg	6/1/2016	6/1/2016	1	0	47
UPR-200-E-89	C8706	B33B16	Tritium	10028-17-8	pCi/g	10/22/2015	10/22/2015	1	0	22
UPR-200-E-89	C8706	B33B20	Tritium	10028-17-8	pCi/g	10/22/2015	10/22/2015	1	0	21
UPR-200-E-89	C8706	B33B29	Tritium	10028-17-8	pCi/g	10/22/2015	10/22/2015	1	0	21
UPR-200-E-89	C8706	B33B16	Uranium-233/234	U-233/234	pCi/g	10/22/2015	10/22/2015	1	0	0.45
UPR-200-E-89	C8706	B33B16	Uranium-235	15117-96-1	pCi/g	10/22/2015	10/22/2015	1	0	0.38
UPR-200-E-89	C8706	B33B24	Uranium-235	15117-96-1	pCi/g	10/22/2015	10/22/2015	1	0	0.37
UPR-200-E-89	C8706	B33B29	Uranium-235	15117-96-1	pCi/g	10/22/2015	10/22/2015	1	0	0.41
UPR-200-E-89	C8706	B35N87	Uranium-235	15117-96-1	pCi/g	6/2/2016	6/2/2016	1	0	0.061
UPR-200-E-89	C8706	B35N89	Uranium-235	15117-96-1	pCi/g	5/25/2016	5/25/2016	1	0	0.069
UPR-200-E-89	C8706	B35N91	Uranium-235	15117-96-1	pCi/g	5/25/2016	5/25/2016	1	0	0.22
UPR-200-E-89	C8706	B35N93	Uranium-235	15117-96-1	pCi/g	5/25/2016	5/25/2016	1	0	0.088
UPR-200-E-89	C8706	B35N95	Uranium-235	15117-96-1	pCi/g	5/26/2016	5/26/2016	1	0	0.054
UPR-200-E-89	C8706	B35N97	Uranium-235	15117-96-1	pCi/g	5/26/2016	5/26/2016	1	0	0.10
UPR-200-E-89	C8706	B35N99	Uranium-235	15117-96-1	pCi/g	6/1/2016	6/1/2016	1	0	0.068
UPR-200-E-89	C8706	B35NB1	Uranium-235	15117-96-1	pCi/g	6/1/2016	6/1/2016	1	0	0.060
UPR-200-E-89	C8707	B320N6	2-Chlorophenol	95-57-8	ug/kg	7/21/2015	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	2-Chlorophenol	95-57-8	ug/kg	7/21/2015	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/21/2015	7/21/2015	1	0	141
UPR-200-E-89	C8707	B320P2	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/21/2015	7/21/2015	1	0	138
UPR-200-E-89	C8707	B320N6	Americium-241	14596-10-2	pCi/g	7/21/2015	7/21/2015	1	0	0.29
UPR-200-E-89	C8707	B320P2	Americium-241	14596-10-2	pCi/g	7/21/2015	7/21/2015	1	0	0.46
UPR-200-E-89	C8707	B320N6	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	7/21/2015	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	7/21/2015	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320P2	Bismuth	7440-69-9	ug/kg	7/21/2015	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	Butylbenzylphthalate	85-68-7	ug/kg	7/21/2015	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Butylbenzylphthalate	85-68-7	ug/kg	7/21/2015	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	Carbon-14	14762-75-5	pCi/g	7/21/2015	7/21/2015	1	0	3.3
UPR-200-E-89	C8707	B320P2	Carbon-14	14762-75-5	pCi/g	7/21/2015	7/21/2015	1	0	2.9
UPR-200-E-89	C8707	B320P2	Cyanide	57-12-5	ug/kg	7/21/2015	7/21/2015	1	0	63
UPR-200-E-89	C8707	B320N6	Diethylphthalate	84-66-2	ug/kg	7/21/2015	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Diethylphthalate	84-66-2	ug/kg	7/21/2015	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320P2	Mercury	7439-97-6	ug/kg	7/21/2015	7/21/2015	1	0	4.0
UPR-200-E-89	C8707	B320N6	Nickel-63	13981-37-8	pCi/g	7/21/2015	7/21/2015	1	0	18
UPR-200-E-89	C8707	B320P2	Nickel-63	13981-37-8	pCi/g	7/21/2015	7/21/2015	1	0	17
UPR-200-E-89	C8707	B320N7	Nitrite	14797-65-0	ug/kg	7/21/2015	7/21/2015	1	0	1,140
UPR-200-E-89	C8707	B320P3	Nitrite	14797-65-0	ug/kg	7/21/2015	7/21/2015	1	0	1,120
UPR-200-E-89	C8707	B320N6	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/21/2015	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/21/2015	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	Phenol	108-95-2	ug/kg	7/21/2015	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Phenol	108-95-2	ug/kg	7/21/2015	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	Plutonium-238	13981-16-3	pCi/g	7/21/2015	7/21/2015	1	0	0.25

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8707	B320P2	Plutonium-238	13981-16-3	pCi/g	7/21/2015	7/21/2015	1	0	0.62
UPR-200-E-89	C8707	B320N6	Plutonium-239/240	PU-239/240	pCi/g	7/21/2015	7/21/2015	1	0	0.40
UPR-200-E-89	C8707	B320P2	Plutonium-239/240	PU-239/240	pCi/g	7/21/2015	7/21/2015	1	0	0.68
UPR-200-E-89	C8707	B320N6	Pyrene	129-00-0	ug/kg	7/21/2015	7/21/2015	1	0	11
UPR-200-E-89	C8707	B320P2	Pyrene	129-00-0	ug/kg	7/21/2015	7/21/2015	1	0	10
UPR-200-E-89	C8707	B320P2	Selenium	7782-49-2	ug/kg	7/21/2015	7/21/2015	1	0	339
UPR-200-E-89	C8707	B320P2	Technetium-99	14133-76-7	pCi/g	7/21/2015	7/21/2015	1	0	12
UPR-200-E-89	C8707	B320N6	Tributyl phosphate	126-73-8	ug/kg	7/21/2015	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Tributyl phosphate	126-73-8	ug/kg	7/21/2015	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	Tritium	10028-17-8	pCi/g	7/21/2015	7/21/2015	1	0	27
UPR-200-E-89	C8707	B320P2	Tritium	10028-17-8	pCi/g	7/21/2015	7/21/2015	1	0	24
UPR-200-E-89	C8707	B320N6	Uranium-235	15117-96-1	pCi/g	7/21/2015	7/21/2015	1	0	0.88
UPR-200-E-89	C8707	B320P2	Uranium-235	15117-96-1	pCi/g	7/21/2015	7/21/2015	1	0	0.71
UPR-200-E-89	C8707	B320N6	Uranium-238	U-238	pCi/g	7/21/2015	7/21/2015	1	0	0.71
UPR-200-E-89	C8711	B320V6	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	7/16/2015	1	0	140
UPR-200-E-89	C8711	B320W8	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	7/16/2015	1	0	139
UPR-200-E-89	C8711	B320V6	Americium-241	14596-10-2	pCi/g	7/16/2015	7/16/2015	1	0	0.47
UPR-200-E-89	C8711	B320W8	Americium-241	14596-10-2	pCi/g	7/16/2015	7/16/2015	1	0	0.40
UPR-200-E-89	C8711	B320V6	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	7/16/2015	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Bismuth	7440-69-9	ug/kg	7/16/2015	7/16/2015	1	0	91
UPR-200-E-89	C8711	B320W8	Boron	7440-42-8	ug/kg	7/16/2015	7/16/2015	1	0	727
UPR-200-E-89	C8711	B320V6	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	Carbon-14	14762-75-5	pCi/g	7/16/2015	7/16/2015	1	0	3.0
UPR-200-E-89	C8711	B320W8	Carbon-14	14762-75-5	pCi/g	7/16/2015	7/16/2015	1	0	2.5
UPR-200-E-89	C8711	B320W8	Cyanide	57-12-5	ug/kg	7/16/2015	7/16/2015	1	0	77
UPR-200-E-89	C8711	B320V6	Diethylphthalate	84-66-2	ug/kg	7/16/2015	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Diethylphthalate	84-66-2	ug/kg	7/16/2015	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	Di-n-butylphthalate	84-74-2	ug/kg	7/16/2015	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W3	Mercury	7439-97-6	ug/kg	7/16/2015	7/16/2015	1	0	4.0
UPR-200-E-89	C8711	B320V6	Nickel-63	13981-37-8	pCi/g	7/16/2015	7/16/2015	1	0	15
UPR-200-E-89	C8711	B320W8	Nickel-63	13981-37-8	pCi/g	7/16/2015	7/16/2015	1	0	15
UPR-200-E-89	C8711	B320V7	Nitrite	14797-65-0	ug/kg	7/16/2015	7/16/2015	1	0	1,130
UPR-200-E-89	C8711	B320W9	Nitrite	14797-65-0	ug/kg	7/16/2015	7/16/2015	1	0	1,130
UPR-200-E-89	C8711	B320V6	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	Phenol	108-95-2	ug/kg	7/16/2015	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Phenol	108-95-2	ug/kg	7/16/2015	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320W9	Phosphate	14265-44-2	ug/kg	7/16/2015	7/16/2015	1	0	2,150
UPR-200-E-89	C8711	B320V6	Plutonium-238	13981-16-3	pCi/g	7/16/2015	7/16/2015	1	0	0.38
UPR-200-E-89	C8711	B320W3	Plutonium-238	13981-16-3	pCi/g	7/16/2015	7/16/2015	1	0	0.21
UPR-200-E-89	C8711	B320V6	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	7/16/2015	1	0	0.48
UPR-200-E-89	C8711	B320W3	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	7/16/2015	1	0	0.43
UPR-200-E-89	C8711	B320V6	Pyrene	129-00-0	ug/kg	7/16/2015	7/16/2015	1	0	11
UPR-200-E-89	C8711	B320W8	Pyrene	129-00-0	ug/kg	7/16/2015	7/16/2015	1	0	10
UPR-200-E-89	C8711	B320W8	Selenium	7782-49-2	ug/kg	7/16/2015	7/16/2015	1	0	300
UPR-200-E-89	C8711	B320W3	Silver	7440-22-4	ug/kg	7/16/2015	7/16/2015	1	0	89
UPR-200-E-89	C8711	B320W3	Technetium-99	14133-76-7	pCi/g	7/16/2015	7/16/2015	1	0	11
UPR-200-E-89	C8711	B320V6	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	Tritium	10028-17-8	pCi/g	7/16/2015	7/16/2015	1	0	14
UPR-200-E-89	C8711	B320W3	Tritium	10028-17-8	pCi/g	7/16/2015	7/16/2015	1	0	16

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C8711	B320V6	Uranium-233/234	U-233/234	pCi/g	7/16/2015	7/16/2015	1	0	0.58
UPR-200-E-89	C8711	B320V6	Uranium-235	15117-96-1	pCi/g	7/16/2015	7/16/2015	1	0	0.31
UPR-200-E-89	C8711	B320W3	Uranium-235	15117-96-1	pCi/g	7/16/2015	7/16/2015	1	0	0.28
UPR-200-E-89	C9548	B320R2	Fluoride	16984-48-8	ug/kg	7/30/2015	7/30/2015	1	0	341
UPR-200-E-89	C9548	B320R5	Fluoride	16984-48-8	ug/kg	7/30/2015	7/30/2015	1	0	334
UPR-200-E-89	C9548	B320P9	Nitrite	14797-65-0	ug/kg	7/30/2015	7/30/2015	1	0	1,110
UPR-200-E-89	C9548	B320R2	Nitrite	14797-65-0	ug/kg	7/30/2015	7/30/2015	1	0	1,120
UPR-200-E-89	C9548	B320P8	Silver	7440-22-4	ug/kg	7/30/2015	7/30/2015	1	0	99
UPR-200-E-89	C9548	B320R1	Silver	7440-22-4	ug/kg	7/30/2015	7/30/2015	1	0	102
UPR-200-E-89	C9548	B320R4	Silver	7440-22-4	ug/kg	7/30/2015	7/30/2015	1	0	99
UPR-200-E-89	C9548	B320P8	Technetium-99	14133-76-7	pCi/g	7/30/2015	7/30/2015	1	0	13
UPR-200-E-89	C9548	B320R1	Technetium-99	14133-76-7	pCi/g	7/30/2015	7/30/2015	1	0	12
UPR-200-E-89	C9548	B320P8	Uranium-233/234	U-233/234	pCi/g	7/30/2015	7/30/2015	1	0	0.65
UPR-200-E-89	C9548	B320P8	Uranium-235	15117-96-1	pCi/g	7/30/2015	7/30/2015	1	0	0.30
UPR-200-E-89	C9548	B320R1	Uranium-235	15117-96-1	pCi/g	7/30/2015	7/30/2015	1	0	0.47
UPR-200-E-89	C9548	B320R4	Uranium-235	15117-96-1	pCi/g	7/30/2015	7/30/2015	1	0	0.71
UPR-200-E-89	C9549	B33122	2-Chlorophenol	95-57-8	ug/kg	10/6/2015	10/6/2015	1	0	105
UPR-200-E-89	C9549	B33122	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/6/2015	10/6/2015	1	0	139
UPR-200-E-89	C9549	B33122	Americium-241	14596-10-2	pCi/g	10/6/2015	10/6/2015	1	0	0.19
UPR-200-E-89	C9549	B352W8	Antimony	7440-36-0	ug/kg	4/21/2016	4/21/2016	1	0	330
UPR-200-E-89	C9549	B352X2	Antimony	7440-36-0	ug/kg	4/21/2016	4/21/2016	1	0	280
UPR-200-E-89	C9549	B352X4	Antimony	7440-36-0	ug/kg	4/25/2016	4/25/2016	1	0	310
UPR-200-E-89	C9549	B352X6	Antimony	7440-36-0	ug/kg	4/25/2016	4/25/2016	1	0	310
UPR-200-E-89	C9549	B352X8	Antimony	7440-36-0	ug/kg	4/25/2016	4/25/2016	1	0	280
UPR-200-E-89	C9549	B33122	Butylbenzylphthalate	85-68-7	ug/kg	10/6/2015	10/6/2015	1	0	105
UPR-200-E-89	C9549	B352X4	Cadmium	7440-43-9	ug/kg	4/25/2016	4/25/2016	1	0	77
UPR-200-E-89	C9549	B33122	Carbon-14	14762-75-5	pCi/g	10/6/2015	10/6/2015	1	0	4.1
UPR-200-E-89	C9549	B33122	Diethylphthalate	84-66-2	ug/kg	10/6/2015	10/6/2015	1	0	105
UPR-200-E-89	C9549	B352W8	Fluoride	16984-48-8	ug/kg	4/21/2016	4/21/2016	1	0	150
UPR-200-E-89	C9549	B352X0	Fluoride	16984-48-8	ug/kg	4/21/2016	4/21/2016	1	0	170
UPR-200-E-89	C9549	B352X4	Fluoride	16984-48-8	ug/kg	4/25/2016	4/25/2016	1	0	150
UPR-200-E-89	C9549	B33122	Nickel-63	13981-37-8	pCi/g	10/6/2015	10/6/2015	1	0	12
UPR-200-E-89	C9549	B33123	Nitrite	14797-65-0	ug/kg	10/6/2015	10/6/2015	1	0	1,130
UPR-200-E-89	C9549	B352X6	Nitrite	14797-65-0	ug/kg	4/25/2016	4/25/2016	1	0	187
UPR-200-E-89	C9549	B352X8	Nitrite	14797-65-0	ug/kg	4/25/2016	4/25/2016	1	0	187
UPR-200-E-89	C9549	B33122	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/6/2015	10/6/2015	1	0	105
UPR-200-E-89	C9549	B33122	Phenol	108-95-2	ug/kg	10/6/2015	10/6/2015	1	0	105
UPR-200-E-89	C9549	B352W8	Phosphate	14265-44-2	ug/kg	4/21/2016	4/21/2016	1	0	580
UPR-200-E-89	C9549	B352X4	Phosphate	14265-44-2	ug/kg	4/25/2016	4/25/2016	1	0	580
UPR-200-E-89	C9549	B352X6	Phosphate	14265-44-2	ug/kg	4/25/2016	4/25/2016	1	0	590
UPR-200-E-89	C9549	B352X8	Phosphate	14265-44-2	ug/kg	4/25/2016	4/25/2016	1	0	580
UPR-200-E-89	C9549	B33122	Plutonium-238	13981-16-3	pCi/g	10/6/2015	10/6/2015	1	0	0.57
UPR-200-E-89	C9549	B33122	Plutonium-239/240	PU-239/240	pCi/g	10/6/2015	10/6/2015	1	0	0.75
UPR-200-E-89	C9549	B33122	Pyrene	129-00-0	ug/kg	10/6/2015	10/6/2015	1	0	11
UPR-200-E-89	C9549	B352X0	Silver	7440-22-4	ug/kg	4/21/2016	4/21/2016	1	0	130
UPR-200-E-89	C9549	B352X4	Silver	7440-22-4	ug/kg	4/25/2016	4/25/2016	1	0	120
UPR-200-E-89	C9549	B352X6	Silver	7440-22-4	ug/kg	4/25/2016	4/25/2016	1	0	120
UPR-200-E-89	C9549	B352X8	Silver	7440-22-4	ug/kg	4/25/2016	4/25/2016	1	0	100
UPR-200-E-89	C9549	B33122	Technetium-99	14133-76-7	pCi/g	10/6/2015	10/6/2015	1	0	9.5
UPR-200-E-89	C9549	B33122	Tributyl phosphate	126-73-8	ug/kg	10/6/2015	10/6/2015	1	0	105
UPR-200-E-89	C9549	B33122	Tritium	10028-17-8	pCi/g	10/6/2015	10/6/2015	1	0	27
UPR-200-E-89	C9549	B33122	Uranium-235	15117-96-1	pCi/g	10/6/2015	10/6/2015	1	0	0.19
UPR-200-E-89	C9549	B352W7	Uranium-235	15117-96-1	pCi/g	4/21/2016	4/21/2016	1	0	0.047
UPR-200-E-89	C9549	B352X3	Uranium-235	15117-96-1	pCi/g	4/25/2016	4/25/2016	1	0	0.065

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-E-89	C9549	B352X5	Uranium-235	15117-96-1	pCi/g	4/25/2016	4/25/2016	1	0	0.053
UPR-200-E-89	C9549	B352X7	Uranium-235	15117-96-1	pCi/g	4/25/2016	4/25/2016	1	0	0.048
UPR-200-E-89	C9550	B320W0	2-Chlorophenol	95-57-8	ug/kg	10/1/2015	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/1/2015	10/1/2015	1	0	139
UPR-200-E-89	C9550	B320W0	Americium-241	14596-10-2	pCi/g	10/1/2015	10/1/2015	1	0	0.16
UPR-200-E-89	C9550	B34T21	Antimony	7440-36-0	ug/kg	3/18/2016	3/18/2016	1	0	580
UPR-200-E-89	C9550	B34T23	Antimony	7440-36-0	ug/kg	3/24/2016	3/24/2016	1	0	280
UPR-200-E-89	C9550	B34T25	Antimony	7440-36-0	ug/kg	3/24/2016	3/24/2016	1	0	320
UPR-200-E-89	C9550	B34T31	Antimony	7440-36-0	ug/kg	3/25/2016	3/25/2016	1	0	290
UPR-200-E-89	C9550	B34T33	Antimony	7440-36-0	ug/kg	3/29/2016	3/29/2016	1	0	300
UPR-200-E-89	C9550	B320W0	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/1/2015	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	Butylbenzylphthalate	85-68-7	ug/kg	10/1/2015	10/1/2015	1	0	105
UPR-200-E-89	C9550	B34T29	Cadmium	7440-43-9	ug/kg	3/24/2016	3/24/2016	1	0	80
UPR-200-E-89	C9550	B34T31	Cadmium	7440-43-9	ug/kg	3/25/2016	3/25/2016	1	0	79
UPR-200-E-89	C9550	B320W0	Carbon-14	14762-75-5	pCi/g	10/1/2015	10/1/2015	1	0	4.4
UPR-200-E-89	C9550	B320W0	Cyanide	57-12-5	ug/kg	10/1/2015	10/1/2015	1	0	84
UPR-200-E-89	C9550	B34T21	Cyanide	57-12-5	ug/kg	3/18/2016	3/18/2016	1	0	110
UPR-200-E-89	C9550	B34T23	Cyanide	57-12-5	ug/kg	3/24/2016	3/24/2016	1	0	110
UPR-200-E-89	C9550	B34T25	Cyanide	57-12-5	ug/kg	3/24/2016	3/24/2016	1	0	110
UPR-200-E-89	C9550	B34T27	Cyanide	57-12-5	ug/kg	3/25/2016	3/25/2016	1	0	110
UPR-200-E-89	C9550	B34T29	Cyanide	57-12-5	ug/kg	3/24/2016	3/24/2016	1	0	110
UPR-200-E-89	C9550	B34T33	Cyanide	57-12-5	ug/kg	3/29/2016	3/29/2016	1	0	120
UPR-200-E-89	C9550	B320W0	Diethylphthalate	84-66-2	ug/kg	10/1/2015	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	Nickel-63	13981-37-8	pCi/g	10/1/2015	10/1/2015	1	0	12
UPR-200-E-89	C9550	B32195	Nitrite	14797-65-0	ug/kg	10/1/2015	10/1/2015	1	0	1,120
UPR-200-E-89	C9550	B34T25	Nitrite	14797-65-0	ug/kg	3/24/2016	3/24/2016	1	0	184
UPR-200-E-89	C9550	B34T31	Nitrite	14797-65-0	ug/kg	3/25/2016	3/25/2016	1	0	187
UPR-200-E-89	C9550	B34T33	Nitrite	14797-65-0	ug/kg	3/29/2016	3/29/2016	1	0	187
UPR-200-E-89	C9550	B320W0	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/1/2015	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	Phenol	108-95-2	ug/kg	10/1/2015	10/1/2015	1	0	105
UPR-200-E-89	C9550	B34T21	Phosphate	14265-44-2	ug/kg	3/18/2016	3/18/2016	1	0	580
UPR-200-E-89	C9550	B34T23	Phosphate	14265-44-2	ug/kg	3/24/2016	3/24/2016	1	0	580
UPR-200-E-89	C9550	B34T25	Phosphate	14265-44-2	ug/kg	3/24/2016	3/24/2016	1	0	580
UPR-200-E-89	C9550	B34T27	Phosphate	14265-44-2	ug/kg	3/25/2016	3/25/2016	1	0	580
UPR-200-E-89	C9550	B34T29	Phosphate	14265-44-2	ug/kg	3/24/2016	3/24/2016	1	0	580
UPR-200-E-89	C9550	B34T31	Phosphate	14265-44-2	ug/kg	3/25/2016	3/25/2016	1	0	580
UPR-200-E-89	C9550	B34T33	Phosphate	14265-44-2	ug/kg	3/29/2016	3/29/2016	1	0	590
UPR-200-E-89	C9550	B34T35	Phosphate	14265-44-2	ug/kg	3/29/2016	3/29/2016	1	0	610
UPR-200-E-89	C9550	B320W0	Plutonium-238	13981-16-3	pCi/g	10/1/2015	10/1/2015	1	0	0.21
UPR-200-E-89	C9550	B320W0	Plutonium-239/240	PU-239/240	pCi/g	10/1/2015	10/1/2015	1	0	0.39
UPR-200-E-89	C9550	B320W0	Pyrene	129-00-0	ug/kg	10/1/2015	10/1/2015	1	0	11
UPR-200-E-89	C9550	B320W0	Selenium	7782-49-2	ug/kg	10/1/2015	10/1/2015	1	0	345
UPR-200-E-89	C9550	B34T21	Silver	7440-22-4	ug/kg	3/18/2016	3/18/2016	1	0	120
UPR-200-E-89	C9550	B34T27	Silver	7440-22-4	ug/kg	3/25/2016	3/25/2016	1	0	110
UPR-200-E-89	C9550	B34T29	Silver	7440-22-4	ug/kg	3/24/2016	3/24/2016	1	0	120
UPR-200-E-89	C9550	B34T31	Silver	7440-22-4	ug/kg	3/25/2016	3/25/2016	1	0	120
UPR-200-E-89	C9550	B320W0	Strontium-90	10098-97-2	pCi/g	10/1/2015	10/1/2015	1	0	1.9
UPR-200-E-89	C9550	B320W0	Technetium-99	14133-76-7	pCi/g	10/1/2015	10/1/2015	1	0	10.0
UPR-200-E-89	C9550	B34T20	Technetium-99	14133-76-7	pCi/g	3/18/2016	3/18/2016	1	0	0.63
UPR-200-E-89	C9550	B34T22	Technetium-99	14133-76-7	pCi/g	3/24/2016	3/24/2016	1	0	0.61
UPR-200-E-89	C9550	B34T32	Technetium-99	14133-76-7	pCi/g	3/29/2016	3/29/2016	1	0	0.56
UPR-200-E-89	C9550	B320W0	Tributyl phosphate	126-73-8	ug/kg	10/1/2015	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	Tritium	10028-17-8	pCi/g	10/1/2015	10/1/2015	1	0	28
UPR-200-E-89	C9550	B320W0	Uranium-235	15117-96-1	pCi/g	10/1/2015	10/1/2015	1	0	0.21

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-W-99	299-W14-15	B0YW00	2-Butanone	78-93-3	ug/kg	8/28/2000	8/28/2000	1	0	12
UPR-200-W-99	299-W14-15	B10Y93	2-Butanone	78-93-3	ug/kg	11/20/2000	11/20/2000	1	0	12
UPR-200-W-99	299-W14-15	B0YVY7	2-Chlorophenol	95-57-8	ug/kg	8/22/2000	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YW00	2-Chlorophenol	95-57-8	ug/kg	8/28/2000	8/28/2000	1	0	370
UPR-200-W-99	299-W14-15	B10Y93	2-Chlorophenol	95-57-8	ug/kg	11/20/2000	11/20/2000	1	0	370
UPR-200-W-99	299-W14-15	B0YVY7	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/22/2000	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YW00	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/28/2000	8/28/2000	1	0	370
UPR-200-W-99	299-W14-15	B10Y93	4-Chloro-3-methylphenol	59-50-7	ug/kg	11/20/2000	11/20/2000	1	0	370
UPR-200-W-99	299-W14-15	B10Y93	Acetone	67-64-1	ug/kg	11/20/2000	11/20/2000	1	0	12
UPR-200-W-99	299-W14-15	B0YVY5	Americium-241	14596-10-2	pCi/g	8/22/2000	8/22/2000	1	0	0.028
UPR-200-W-99	299-W14-15	B0YVY7	Americium-241	14596-10-2	pCi/g	8/22/2000	8/22/2000	1	0	0.028
UPR-200-W-99	299-W14-15	B0YVY8	Americium-241	14596-10-2	pCi/g	8/28/2000	8/28/2000	1	0	0.021
UPR-200-W-99	299-W14-15	B0YVY9	Americium-241	14596-10-2	pCi/g	8/28/2000	8/28/2000	1	0	0.028
UPR-200-W-99	299-W14-15	B0YW00	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/28/2000	8/28/2000	1	0	21
UPR-200-W-99	299-W14-15	B0YVY7	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YW00	Butylbenzylphthalate	85-68-7	ug/kg	8/28/2000	8/28/2000	1	0	370
UPR-200-W-99	299-W14-15	B10Y93	Butylbenzylphthalate	85-68-7	ug/kg	11/20/2000	11/20/2000	1	0	370
UPR-200-W-99	299-W14-15	B0YW00	Cadmium	7440-43-9	ug/kg	8/28/2000	8/28/2000	1	0	30
UPR-200-W-99	299-W14-15	B0YVY8	Cesium-137	10045-97-3	pCi/g	8/28/2000	8/28/2000	1	0	0.030
UPR-200-W-99	299-W14-15	B0YVY9	Cesium-137	10045-97-3	pCi/g	8/28/2000	8/28/2000	1	0	0.028
UPR-200-W-99	299-W14-15	B0YVY7	Chloroform	67-66-3	ug/kg	8/22/2000	8/22/2000	1	0	6.0
UPR-200-W-99	299-W14-15	B0YW00	Chloroform	67-66-3	ug/kg	8/28/2000	8/28/2000	1	0	6.0
UPR-200-W-99	299-W14-15	B10Y93	Chloroform	67-66-3	ug/kg	11/20/2000	11/20/2000	1	0	6.0
UPR-200-W-99	299-W14-15	B0YVY5	Cobalt-60	10198-40-0	pCi/g	8/22/2000	8/22/2000	1	0	0.024
UPR-200-W-99	299-W14-15	B0YVY7	Cobalt-60	10198-40-0	pCi/g	8/22/2000	8/22/2000	1	0	0.034
UPR-200-W-99	299-W14-15	B0YVY8	Cobalt-60	10198-40-0	pCi/g	8/28/2000	8/28/2000	1	0	0.043
UPR-200-W-99	299-W14-15	B0YVY9	Cobalt-60	10198-40-0	pCi/g	8/28/2000	8/28/2000	1	0	0.027
UPR-200-W-99	299-W14-15	B0YVY7	Cyanide	57-12-5	ug/kg	8/22/2000	8/22/2000	1	0	480
UPR-200-W-99	299-W14-15	B0YW00	Cyanide	57-12-5	ug/kg	8/28/2000	8/28/2000	1	0	540
UPR-200-W-99	299-W14-15	B0YVY7	Diethylphthalate	84-66-2	ug/kg	8/22/2000	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YW00	Diethylphthalate	84-66-2	ug/kg	8/28/2000	8/28/2000	1	0	370
UPR-200-W-99	299-W14-15	B10Y93	Diethylphthalate	84-66-2	ug/kg	11/20/2000	11/20/2000	1	0	370
UPR-200-W-99	299-W14-15	B0YVY7	Di-n-butylphthalate	84-74-2	ug/kg	8/22/2000	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YW00	Di-n-butylphthalate	84-74-2	ug/kg	8/28/2000	8/28/2000	1	0	370
UPR-200-W-99	299-W14-15	B10Y93	Di-n-butylphthalate	84-74-2	ug/kg	11/20/2000	11/20/2000	1	0	370
UPR-200-W-99	299-W14-15	B0YVY5	Europium-152	14683-23-9	pCi/g	8/22/2000	8/22/2000	1	0	0.098
UPR-200-W-99	299-W14-15	B0YVY7	Europium-152	14683-23-9	pCi/g	8/22/2000	8/22/2000	1	0	0.096
UPR-200-W-99	299-W14-15	B0YVY8	Europium-152	14683-23-9	pCi/g	8/28/2000	8/28/2000	1	0	0.078
UPR-200-W-99	299-W14-15	B0YVY9	Europium-152	14683-23-9	pCi/g	8/28/2000	8/28/2000	1	0	0.064
UPR-200-W-99	299-W14-15	B0YVY5	Europium-154	15585-10-1	pCi/g	8/22/2000	8/22/2000	1	0	0.10
UPR-200-W-99	299-W14-15	B0YVY7	Europium-154	15585-10-1	pCi/g	8/22/2000	8/22/2000	1	0	0.11
UPR-200-W-99	299-W14-15	B0YVY8	Europium-154	15585-10-1	pCi/g	8/28/2000	8/28/2000	1	0	0.12
UPR-200-W-99	299-W14-15	B0YVY9	Europium-154	15585-10-1	pCi/g	8/28/2000	8/28/2000	1	0	0.087
UPR-200-W-99	299-W14-15	B0YVY5	Europium-155	14391-16-3	pCi/g	8/22/2000	8/22/2000	1	0	0.088
UPR-200-W-99	299-W14-15	B0YVY7	Europium-155	14391-16-3	pCi/g	8/22/2000	8/22/2000	1	0	0.076
UPR-200-W-99	299-W14-15	B0YVY8	Europium-155	14391-16-3	pCi/g	8/28/2000	8/28/2000	1	0	0.071
UPR-200-W-99	299-W14-15	B0YVY9	Europium-155	14391-16-3	pCi/g	8/28/2000	8/28/2000	1	0	0.076
UPR-200-W-99	299-W14-15	B0YVY7	Mercury	7439-97-6	ug/kg	8/22/2000	8/22/2000	1	0	20
UPR-200-W-99	299-W14-15	B0YW00	Mercury	7439-97-6	ug/kg	8/28/2000	8/28/2000	1	0	20
UPR-200-W-99	299-W14-15	B0YVY7	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/22/2000	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YW00	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/28/2000	8/28/2000	1	0	370
UPR-200-W-99	299-W14-15	B10Y93	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	11/20/2000	11/20/2000	1	0	370
UPR-200-W-99	299-W14-15	B0YVY7	Phenol	108-95-2	ug/kg	8/22/2000	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YW00	Phenol	108-95-2	ug/kg	8/28/2000	8/28/2000	1	0	370

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-W-99	299-W14-15	B10Y93	Phenol	108-95-2	ug/kg	11/20/2000	11/20/2000	1	0	370
UPR-200-W-99	299-W14-15	B0YVY5	Plutonium-238	13981-16-3	pCi/g	8/22/2000	8/22/2000	1	0	0.030
UPR-200-W-99	299-W14-15	B0YVY7	Plutonium-238	13981-16-3	pCi/g	8/22/2000	8/22/2000	1	0	0.023
UPR-200-W-99	299-W14-15	B0YVY8	Plutonium-238	13981-16-3	pCi/g	8/28/2000	8/28/2000	1	0	0.038
UPR-200-W-99	299-W14-15	B0YVY9	Plutonium-238	13981-16-3	pCi/g	8/28/2000	8/28/2000	1	0	0.10
UPR-200-W-99	299-W14-15	B0YVY5	Plutonium-239/240	PU-239/240	pCi/g	8/22/2000	8/22/2000	1	0	0.023
UPR-200-W-99	299-W14-15	B0YVY8	Plutonium-239/240	PU-239/240	pCi/g	8/28/2000	8/28/2000	1	0	0.077
UPR-200-W-99	299-W14-15	B0YVY9	Plutonium-239/240	PU-239/240	pCi/g	8/28/2000	8/28/2000	1	0	0.075
UPR-200-W-99	299-W14-15	B0YVY7	Pyrene	129-00-0	ug/kg	8/22/2000	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YW00	Pyrene	129-00-0	ug/kg	8/28/2000	8/28/2000	1	0	370
UPR-200-W-99	299-W14-15	B10Y93	Pyrene	129-00-0	ug/kg	11/20/2000	11/20/2000	1	0	370
UPR-200-W-99	299-W14-15	B0YVY7	Selenium	7782-49-2	ug/kg	8/22/2000	8/22/2000	1	0	400
UPR-200-W-99	299-W14-15	B0YW00	Selenium	7782-49-2	ug/kg	8/28/2000	8/28/2000	1	0	450
UPR-200-W-99	299-W14-15	B0YVY7	Silver	7440-22-4	ug/kg	8/22/2000	8/22/2000	1	0	100
UPR-200-W-99	299-W14-15	B0YW00	Silver	7440-22-4	ug/kg	8/28/2000	8/28/2000	1	0	120
UPR-200-W-99	299-W14-15	B0YVY8	Strontium-90	10098-97-2	pCi/g	8/28/2000	8/28/2000	1	0	0.22
UPR-200-W-99	299-W14-15	B0YVY9	Strontium-90	10098-97-2	pCi/g	8/28/2000	8/28/2000	1	0	0.21
UPR-200-W-99	299-W14-15	B0YVY7	Styrene	100-42-5	ug/kg	8/22/2000	8/22/2000	1	0	6.0
UPR-200-W-99	299-W14-15	B0YW00	Styrene	100-42-5	ug/kg	8/28/2000	8/28/2000	1	0	6.0
UPR-200-W-99	299-W14-15	B10Y93	Styrene	100-42-5	ug/kg	11/20/2000	11/20/2000	1	0	6.0
UPR-200-W-99	299-W14-15	B0YVY7	Sulfide	18496-25-8	ug/kg	8/22/2000	8/22/2000	1	0	20,600
UPR-200-W-99	299-W14-15	B0YW00	Sulfide	18496-25-8	ug/kg	8/28/2000	8/28/2000	1	0	40,600
UPR-200-W-99	299-W14-15	B0YVY5	Technetium-99	14133-76-7	pCi/g	8/22/2000	8/22/2000	1	0	0.59
UPR-200-W-99	299-W14-15	B0YVY6	Technetium-99	14133-76-7	pCi/g	8/22/2000	8/22/2000	1	0	0.48
UPR-200-W-99	299-W14-15	B0YVY8	Technetium-99	14133-76-7	pCi/g	8/28/2000	8/28/2000	1	0	0.45
UPR-200-W-99	299-W14-15	B0YVY9	Technetium-99	14133-76-7	pCi/g	8/28/2000	8/28/2000	1	0	0.66
UPR-200-W-99	299-W14-15	B0YVY7	Toluene	108-88-3	ug/kg	8/22/2000	8/22/2000	1	0	6.0
UPR-200-W-99	299-W14-15	B0YW00	Toluene	108-88-3	ug/kg	8/28/2000	8/28/2000	1	0	6.0
UPR-200-W-99	299-W14-15	B10Y93	Toluene	108-88-3	ug/kg	11/20/2000	11/20/2000	1	0	6.0
UPR-200-W-99	299-W14-15	B0YVY5	Tritium	10028-17-8	pCi/g	8/22/2000	8/22/2000	1	0	0.092
UPR-200-W-99	299-W14-15	B0YVY6	Tritium	10028-17-8	pCi/g	8/22/2000	8/22/2000	1	0	0.091
UPR-200-W-99	299-W14-15	B0YVY5	Uranium-235	15117-96-1	pCi/g	8/22/2000	8/22/2000	1	0	0.13
UPR-200-W-99	299-W14-15	B0YVY6	Uranium-235	15117-96-1	pCi/g	8/22/2000	8/22/2000	1	0	0.17
UPR-200-W-99	299-W14-19	B15VT4	2-Butanone	78-93-3	ug/kg	10/28/2002	10/28/2002	1	0	10
UPR-200-W-99	299-W14-19	B15VT5	2-Butanone	78-93-3	ug/kg	10/28/2002	10/28/2002	1	0	12
UPR-200-W-99	299-W14-19	B15VT4	2-Chlorophenol	95-57-8	ug/kg	10/28/2002	10/28/2002	1	0	350
UPR-200-W-99	299-W14-19	B15VT4	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/28/2002	10/28/2002	1	0	350
UPR-200-W-99	299-W14-19	B15VT4	Acetone	67-64-1	ug/kg	10/28/2002	10/28/2002	1	0	10
UPR-200-W-99	299-W14-19	B15VT5	Acetone	67-64-1	ug/kg	10/28/2002	10/28/2002	1	0	12
UPR-200-W-99	299-W14-19	B15VT4	Americium-241	14596-10-2	pCi/g	10/28/2002	10/28/2002	1	0	0.35
UPR-200-W-99	299-W14-19	B15VT5	Americium-241	14596-10-2	pCi/g	10/28/2002	10/28/2002	1	0	0.28
UPR-200-W-99	299-W14-19	B15VT4	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	1	0	3,160
UPR-200-W-99	299-W14-19	B15VT5	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	1	0	3,650
UPR-200-W-99	299-W14-19	B15VT5	Antimony	7440-36-0	ug/kg	10/28/2002	10/28/2002	1	0	190
UPR-200-W-99	299-W14-19	B15VT4	Antimony-125	14234-35-6	pCi/g	10/28/2002	10/28/2002	1	0	0.10
UPR-200-W-99	299-W14-19	B15VT5	Antimony-125	14234-35-6	pCi/g	10/28/2002	10/28/2002	1	0	0.22
UPR-200-W-99	299-W14-19	B15VT4	Aroclor-1260	11096-82-5	ug/kg	10/28/2002	10/28/2002	1	0	35
UPR-200-W-99	299-W14-19	B15VT5	Aroclor-1260	11096-82-5	ug/kg	10/28/2002	10/28/2002	1	0	38
UPR-200-W-99	299-W14-19	B15VT4	Bismuth	7440-69-9	ug/kg	10/28/2002	10/28/2002	1	0	400
UPR-200-W-99	299-W14-19	B15VT5	Bismuth	7440-69-9	ug/kg	10/28/2002	10/28/2002	1	0	670
UPR-200-W-99	299-W14-19	B15VT4	Butylbenzylphthalate	85-68-7	ug/kg	10/28/2002	10/28/2002	1	0	350
UPR-200-W-99	299-W14-19	B15VT5	Butylbenzylphthalate	85-68-7	ug/kg	10/28/2002	10/28/2002	1	0	380
UPR-200-W-99	299-W14-19	B15VT4	Cadmium	7440-43-9	ug/kg	10/28/2002	10/28/2002	1	0	30
UPR-200-W-99	299-W14-19	B15VT5	Cadmium	7440-43-9	ug/kg	10/28/2002	10/28/2002	1	0	50

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-W-99	299-W14-19	B15VT4	Cesium-134	13967-70-9	pCi/g	10/28/2002	10/28/2002	1	0	0.065
UPR-200-W-99	299-W14-19	B15VT5	Cesium-134	13967-70-9	pCi/g	10/28/2002	10/28/2002	1	0	0.12
UPR-200-W-99	299-W14-19	B15VT5	Cesium-137	10045-97-3	pCi/g	10/28/2002	10/28/2002	1	0	0.10
UPR-200-W-99	299-W14-19	B15VT4	Chloroform	67-66-3	ug/kg	10/28/2002	10/28/2002	1	0	5.0
UPR-200-W-99	299-W14-19	B15VT5	Chloroform	67-66-3	ug/kg	10/28/2002	10/28/2002	1	0	6.0
UPR-200-W-99	299-W14-19	B15VT4	Cobalt-60	10198-40-0	pCi/g	10/28/2002	10/28/2002	1	0	0.045
UPR-200-W-99	299-W14-19	B15VT5	Cobalt-60	10198-40-0	pCi/g	10/28/2002	10/28/2002	1	0	0.10
UPR-200-W-99	299-W14-19	B15VT4	Cyanide	57-12-5	ug/kg	10/28/2002	10/28/2002	1	0	510
UPR-200-W-99	299-W14-19	B15VT5	Cyanide	57-12-5	ug/kg	10/28/2002	10/28/2002	1	0	550
UPR-200-W-99	299-W14-19	B15VT4	Diethylphthalate	84-66-2	ug/kg	10/28/2002	10/28/2002	1	0	350
UPR-200-W-99	299-W14-19	B15VT5	Diethylphthalate	84-66-2	ug/kg	10/28/2002	10/28/2002	1	0	380
UPR-200-W-99	299-W14-19	B15VT4	Europium-152	14683-23-9	pCi/g	10/28/2002	10/28/2002	1	0	0.12
UPR-200-W-99	299-W14-19	B15VT5	Europium-152	14683-23-9	pCi/g	10/28/2002	10/28/2002	1	0	0.23
UPR-200-W-99	299-W14-19	B15VT4	Europium-154	15585-10-1	pCi/g	10/28/2002	10/28/2002	1	0	0.15
UPR-200-W-99	299-W14-19	B15VT5	Europium-154	15585-10-1	pCi/g	10/28/2002	10/28/2002	1	0	0.35
UPR-200-W-99	299-W14-19	B15VT4	Europium-155	14391-16-3	pCi/g	10/28/2002	10/28/2002	1	0	0.12
UPR-200-W-99	299-W14-19	B15VT5	Europium-155	14391-16-3	pCi/g	10/28/2002	10/28/2002	1	0	0.19
UPR-200-W-99	299-W14-19	B15VT4	Hexavalent Chromium	18540-29-9	ug/kg	10/28/2002	10/28/2002	1	0	420
UPR-200-W-99	299-W14-19	B15VT4	Mercury	7439-97-6	ug/kg	10/28/2002	10/28/2002	1	0	20
UPR-200-W-99	299-W14-19	B15VT5	Mercury	7439-97-6	ug/kg	10/28/2002	10/28/2002	1	0	20
UPR-200-W-99	299-W14-19	B15VT4	Nickel-63	13981-37-8	pCi/g	10/28/2002	10/28/2002	1	0	2.1
UPR-200-W-99	299-W14-19	B15VT5	Nickel-63	13981-37-8	pCi/g	10/28/2002	10/28/2002	1	0	2.2
UPR-200-W-99	299-W14-19	B15VT4	Nitrite	14797-65-0	ug/kg	10/28/2002	10/28/2002	1	0	1,300
UPR-200-W-99	299-W14-19	B15VT5	Nitrite	14797-65-0	ug/kg	10/28/2002	10/28/2002	1	0	1,440
UPR-200-W-99	299-W14-19	B15VT4	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/28/2002	10/28/2002	1	0	350
UPR-200-W-99	299-W14-19	B15VT4	Phenol	108-95-2	ug/kg	10/28/2002	10/28/2002	1	0	350
UPR-200-W-99	299-W14-19	B15VT4	Plutonium-238	13981-16-3	pCi/g	10/28/2002	10/28/2002	1	0	0.29
UPR-200-W-99	299-W14-19	B15VT5	Plutonium-238	13981-16-3	pCi/g	10/28/2002	10/28/2002	1	0	0.19
UPR-200-W-99	299-W14-19	B15VT4	Plutonium-239/240	PU-239/240	pCi/g	10/28/2002	10/28/2002	1	0	0.20
UPR-200-W-99	299-W14-19	B15VT5	Plutonium-239/240	PU-239/240	pCi/g	10/28/2002	10/28/2002	1	0	0.19
UPR-200-W-99	299-W14-19	B15VT4	Pyrene	129-00-0	ug/kg	10/28/2002	10/28/2002	1	0	350
UPR-200-W-99	299-W14-19	B15VT4	Selenium	7782-49-2	ug/kg	10/28/2002	10/28/2002	1	0	270
UPR-200-W-99	299-W14-19	B15VT4	Silver	7440-22-4	ug/kg	10/28/2002	10/28/2002	1	0	100
UPR-200-W-99	299-W14-19	B15VT5	Silver	7440-22-4	ug/kg	10/28/2002	10/28/2002	1	0	160
UPR-200-W-99	299-W14-19	B15VT5	Strontium-90	10098-97-2	pCi/g	10/28/2002	10/28/2002	1	0	0.20
UPR-200-W-99	299-W14-19	B15VT4	Styrene	100-42-5	ug/kg	10/28/2002	10/28/2002	1	0	5.0
UPR-200-W-99	299-W14-19	B15VT5	Styrene	100-42-5	ug/kg	10/28/2002	10/28/2002	1	0	6.0
UPR-200-W-99	299-W14-19	B15VT4	Technetium-99	14133-76-7	pCi/g	10/28/2002	10/28/2002	1	0	0.61
UPR-200-W-99	299-W14-19	B15VT5	Technetium-99	14133-76-7	pCi/g	10/28/2002	10/28/2002	1	0	0.61
UPR-200-W-99	299-W14-19	B15VT5	Tin-126	15832-50-5	pCi/g	10/28/2002	10/28/2002	1	0	0.10
UPR-200-W-99	299-W14-19	B15VT4	Toluene	108-88-3	ug/kg	10/28/2002	10/28/2002	1	0	5.0
UPR-200-W-99	299-W14-19	B15VT5	Toluene	108-88-3	ug/kg	10/28/2002	10/28/2002	1	0	6.0
UPR-200-W-99	299-W14-19	B15VT4	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	10/28/2002	1	0	350
UPR-200-W-99	299-W14-19	B15VT5	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	10/28/2002	1	0	380
UPR-200-W-99	299-W14-19	B15VT4	Tritium	10028-17-8	pCi/g	10/28/2002	10/28/2002	1	0	0.16
UPR-200-W-99	299-W14-19	B15VT5	Tritium	10028-17-8	pCi/g	10/28/2002	10/28/2002	1	0	0.19
UPR-200-W-99	299-W14-19	B15VT5	Uranium-233/234	U-233/234	pCi/g	10/28/2002	10/28/2002	1	0	0.35
UPR-200-W-99	299-W14-19	B15VT4	Uranium-235	15117-96-1	pCi/g	10/28/2002	10/28/2002	1	0	0.19
UPR-200-W-99	299-W14-19	B15VT5	Uranium-235	15117-96-1	pCi/g	10/28/2002	10/28/2002	1	0	0.42
UPR-200-W-99	299-W14-20	B1YMM9	2-Butanone	78-93-3	ug/kg	3/26/2009	3/26/2009	1	0	0.97
UPR-200-W-99	299-W14-20	B1YMN1	2-Butanone	78-93-3	ug/kg	4/10/2009	4/10/2009	1	0	0.77
UPR-200-W-99	299-W14-20	B20KP2	2-Chlorophenol	95-57-8	ug/kg	5/12/2009	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B20KP2	4-Chloro-3-methylphenol	59-50-7	ug/kg	5/12/2009	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B1YMM9	Acetone	67-64-1	ug/kg	3/26/2009	3/26/2009	1	0	0.97

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-W-99	299-W14-20	B1YMN0	Acetone	67-64-1	ug/kg	4/6/2009	4/6/2009	1	0	1.3
UPR-200-W-99	299-W14-20	B1YMN1	Acetone	67-64-1	ug/kg	4/10/2009	4/10/2009	1	0	0.77
UPR-200-W-99	299-W14-20	B1YM90	Antimony	7440-36-0	ug/kg	3/26/2009	3/26/2009	1	0	206
UPR-200-W-99	299-W14-20	B1YM91	Antimony	7440-36-0	ug/kg	4/6/2009	4/6/2009	1	0	192
UPR-200-W-99	299-W14-20	B1YM92	Antimony	7440-36-0	ug/kg	4/10/2009	4/10/2009	1	0	189
UPR-200-W-99	299-W14-20	B1YMC0	Antimony	7440-36-0	ug/kg	3/26/2009	3/26/2009	1	0	16,700
UPR-200-W-99	299-W14-20	B1YMC1	Antimony	7440-36-0	ug/kg	3/26/2009	3/26/2009	1	0	16,000
UPR-200-W-99	299-W14-20	B1YMC2	Antimony	7440-36-0	ug/kg	3/26/2009	3/26/2009	1	0	15,500
UPR-200-W-99	299-W14-20	B1YMC3	Antimony	7440-36-0	ug/kg	3/27/2009	3/27/2009	1	0	13,800
UPR-200-W-99	299-W14-20	B1YMC4	Antimony	7440-36-0	ug/kg	3/27/2009	3/27/2009	1	0	15,700
UPR-200-W-99	299-W14-20	B1YMC5	Antimony	7440-36-0	ug/kg	3/27/2009	3/27/2009	1	0	17,200
UPR-200-W-99	299-W14-20	B1YMC6	Antimony	7440-36-0	ug/kg	3/27/2009	3/27/2009	1	0	15,000
UPR-200-W-99	299-W14-20	B1YMB9	Antimony-125	14234-35-6	pCi/g	3/26/2009	3/26/2009	1	0	1.0
UPR-200-W-99	299-W14-20	B1YMC0	Antimony-125	14234-35-6	pCi/g	3/26/2009	3/26/2009	1	0	0.89
UPR-200-W-99	299-W14-20	B1YMC1	Antimony-125	14234-35-6	pCi/g	3/26/2009	3/26/2009	1	0	0.88
UPR-200-W-99	299-W14-20	B1YMC2	Antimony-125	14234-35-6	pCi/g	3/26/2009	3/26/2009	1	0	0.84
UPR-200-W-99	299-W14-20	B1YMC3	Antimony-125	14234-35-6	pCi/g	3/27/2009	3/27/2009	1	0	0.82
UPR-200-W-99	299-W14-20	B1YMC4	Antimony-125	14234-35-6	pCi/g	3/27/2009	3/27/2009	1	0	0.90
UPR-200-W-99	299-W14-20	B1YMC5	Antimony-125	14234-35-6	pCi/g	3/27/2009	3/27/2009	1	0	0.89
UPR-200-W-99	299-W14-20	B1YMC6	Antimony-125	14234-35-6	pCi/g	3/27/2009	3/27/2009	1	0	0.90
UPR-200-W-99	299-W14-20	B20KP2	Antimony-125	14234-35-6	pCi/g	5/12/2009	5/12/2009	1	0	0.030
UPR-200-W-99	299-W14-20	B1YMC0	Arsenic	7440-38-2	ug/kg	3/26/2009	3/26/2009	1	0	16,700
UPR-200-W-99	299-W14-20	B1YMC1	Arsenic	7440-38-2	ug/kg	3/26/2009	3/26/2009	1	0	16,000
UPR-200-W-99	299-W14-20	B1YMC2	Arsenic	7440-38-2	ug/kg	3/26/2009	3/26/2009	1	0	15,500
UPR-200-W-99	299-W14-20	B1YMC3	Arsenic	7440-38-2	ug/kg	3/27/2009	3/27/2009	1	0	13,800
UPR-200-W-99	299-W14-20	B1YMC4	Arsenic	7440-38-2	ug/kg	3/27/2009	3/27/2009	1	0	15,700
UPR-200-W-99	299-W14-20	B1YMC5	Arsenic	7440-38-2	ug/kg	3/27/2009	3/27/2009	1	0	17,200
UPR-200-W-99	299-W14-20	B1YMC6	Arsenic	7440-38-2	ug/kg	3/27/2009	3/27/2009	1	0	15,000
UPR-200-W-99	299-W14-20	B1YM91	Beryllium	7440-41-7	ug/kg	4/6/2009	4/6/2009	1	0	845
UPR-200-W-99	299-W14-20	B1YM92	Beryllium	7440-41-7	ug/kg	4/10/2009	4/10/2009	1	0	831
UPR-200-W-99	299-W14-20	B1YMB9	Beryllium	7440-41-7	ug/kg	3/26/2009	3/26/2009	1	0	308
UPR-200-W-99	299-W14-20	B1YMC0	Beryllium	7440-41-7	ug/kg	3/26/2009	3/26/2009	1	0	334
UPR-200-W-99	299-W14-20	B1YMC1	Beryllium	7440-41-7	ug/kg	3/26/2009	3/26/2009	1	0	321
UPR-200-W-99	299-W14-20	B1YMC3	Beryllium	7440-41-7	ug/kg	3/27/2009	3/27/2009	1	0	276
UPR-200-W-99	299-W14-20	B1YMC4	Beryllium	7440-41-7	ug/kg	3/27/2009	3/27/2009	1	0	314
UPR-200-W-99	299-W14-20	B1YMC6	Beryllium	7440-41-7	ug/kg	3/27/2009	3/27/2009	1	0	299
UPR-200-W-99	299-W14-20	B1YM91	Bismuth	7440-69-9	ug/kg	4/6/2009	4/6/2009	1	0	10,400
UPR-200-W-99	299-W14-20	B1YM92	Bismuth	7440-69-9	ug/kg	4/10/2009	4/10/2009	1	0	10,300
UPR-200-W-99	299-W14-20	B1YMB9	Bismuth	7440-69-9	ug/kg	3/26/2009	3/26/2009	1	0	30,800
UPR-200-W-99	299-W14-20	B1YMC0	Bismuth	7440-69-9	ug/kg	3/26/2009	3/26/2009	1	0	33,400
UPR-200-W-99	299-W14-20	B1YMC2	Bismuth	7440-69-9	ug/kg	3/26/2009	3/26/2009	1	0	31,000
UPR-200-W-99	299-W14-20	B1YMC3	Bismuth	7440-69-9	ug/kg	3/27/2009	3/27/2009	1	0	27,600
UPR-200-W-99	299-W14-20	B1YMC4	Bismuth	7440-69-9	ug/kg	3/27/2009	3/27/2009	1	0	31,400
UPR-200-W-99	299-W14-20	B1YMC5	Bismuth	7440-69-9	ug/kg	3/27/2009	3/27/2009	1	0	34,400
UPR-200-W-99	299-W14-20	B1YMC6	Bismuth	7440-69-9	ug/kg	3/27/2009	3/27/2009	1	0	29,900
UPR-200-W-99	299-W14-20	B20KP2	Bismuth	7440-69-9	ug/kg	5/12/2009	5/12/2009	1	0	2,300
UPR-200-W-99	299-W14-20	B1YMB9	Bismuth-212	14913-49-6	pCi/g	3/26/2009	3/26/2009	1	0	3.3
UPR-200-W-99	299-W14-20	B1YMC0	Bismuth-212	14913-49-6	pCi/g	3/26/2009	3/26/2009	1	0	2.7
UPR-200-W-99	299-W14-20	B1YMC1	Bismuth-212	14913-49-6	pCi/g	3/26/2009	3/26/2009	1	0	2.7
UPR-200-W-99	299-W14-20	B1YMC2	Bismuth-212	14913-49-6	pCi/g	3/26/2009	3/26/2009	1	0	2.6
UPR-200-W-99	299-W14-20	B1YMC3	Bismuth-212	14913-49-6	pCi/g	3/27/2009	3/27/2009	1	0	2.6
UPR-200-W-99	299-W14-20	B1YMC4	Bismuth-212	14913-49-6	pCi/g	3/27/2009	3/27/2009	1	0	2.6
UPR-200-W-99	299-W14-20	B1YMC5	Bismuth-212	14913-49-6	pCi/g	3/27/2009	3/27/2009	1	0	2.9
UPR-200-W-99	299-W14-20	B1YMC6	Bismuth-212	14913-49-6	pCi/g	3/27/2009	3/27/2009	1	0	2.7

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-W-99	299-W14-20	B1YMB9	Bismuth-214	14733-03-0	pCi/g	3/26/2009	3/26/2009	1	0	0.93
UPR-200-W-99	299-W14-20	B1YMC0	Bismuth-214	14733-03-0	pCi/g	3/26/2009	3/26/2009	1	0	0.81
UPR-200-W-99	299-W14-20	B1YMC2	Bismuth-214	14733-03-0	pCi/g	3/26/2009	3/26/2009	1	0	0.63
UPR-200-W-99	299-W14-20	B1YMC3	Bismuth-214	14733-03-0	pCi/g	3/27/2009	3/27/2009	1	0	0.64
UPR-200-W-99	299-W14-20	B1YMC4	Bismuth-214	14733-03-0	pCi/g	3/27/2009	3/27/2009	1	0	0.85
UPR-200-W-99	299-W14-20	B1YMC5	Bismuth-214	14733-03-0	pCi/g	3/27/2009	3/27/2009	1	0	0.86
UPR-200-W-99	299-W14-20	B1YMC6	Bismuth-214	14733-03-0	pCi/g	3/27/2009	3/27/2009	1	0	0.81
UPR-200-W-99	299-W14-20	B1YM91	Boron	7440-42-8	ug/kg	4/6/2009	4/6/2009	1	0	106,000
UPR-200-W-99	299-W14-20	B1YM92	Boron	7440-42-8	ug/kg	4/10/2009	4/10/2009	1	0	104,000
UPR-200-W-99	299-W14-20	B1YMB9	Boron	7440-42-8	ug/kg	3/26/2009	3/26/2009	1	0	9,250
UPR-200-W-99	299-W14-20	B1YMC0	Boron	7440-42-8	ug/kg	3/26/2009	3/26/2009	1	0	10,000
UPR-200-W-99	299-W14-20	B1YMC1	Boron	7440-42-8	ug/kg	3/26/2009	3/26/2009	1	0	9,620
UPR-200-W-99	299-W14-20	B1YMC2	Boron	7440-42-8	ug/kg	3/26/2009	3/26/2009	1	0	9,300
UPR-200-W-99	299-W14-20	B1YMC3	Boron	7440-42-8	ug/kg	3/27/2009	3/27/2009	1	0	8,280
UPR-200-W-99	299-W14-20	B1YMC4	Boron	7440-42-8	ug/kg	3/27/2009	3/27/2009	1	0	9,410
UPR-200-W-99	299-W14-20	B1YMC5	Boron	7440-42-8	ug/kg	3/27/2009	3/27/2009	1	0	10,300
UPR-200-W-99	299-W14-20	B1YMC6	Boron	7440-42-8	ug/kg	3/27/2009	3/27/2009	1	0	8,980
UPR-200-W-99	299-W14-20	B1YM91	Cadmium	7440-43-9	ug/kg	4/6/2009	4/6/2009	1	0	50
UPR-200-W-99	299-W14-20	B1YM92	Cadmium	7440-43-9	ug/kg	4/10/2009	4/10/2009	1	0	49
UPR-200-W-99	299-W14-20	B1YMC0	Cadmium	7440-43-9	ug/kg	3/26/2009	3/26/2009	1	0	1,670
UPR-200-W-99	299-W14-20	B1YMC1	Cadmium	7440-43-9	ug/kg	3/26/2009	3/26/2009	1	0	1,600
UPR-200-W-99	299-W14-20	B1YMC2	Cadmium	7440-43-9	ug/kg	3/26/2009	3/26/2009	1	0	1,550
UPR-200-W-99	299-W14-20	B1YMC3	Cadmium	7440-43-9	ug/kg	3/27/2009	3/27/2009	1	0	1,380
UPR-200-W-99	299-W14-20	B1YMC4	Cadmium	7440-43-9	ug/kg	3/27/2009	3/27/2009	1	0	1,570
UPR-200-W-99	299-W14-20	B1YMC5	Cadmium	7440-43-9	ug/kg	3/27/2009	3/27/2009	1	0	1,720
UPR-200-W-99	299-W14-20	B1YMC6	Cadmium	7440-43-9	ug/kg	3/27/2009	3/27/2009	1	0	1,500
UPR-200-W-99	299-W14-20	B20KP2	Cadmium	7440-43-9	ug/kg	5/12/2009	5/12/2009	1	0	99
UPR-200-W-99	299-W14-20	B20KP2	Carbon-14	14762-75-5	pCi/g	5/12/2009	5/12/2009	1	0	2.9
UPR-200-W-99	299-W14-20	B1YMB9	Cesium-134	13967-70-9	pCi/g	3/26/2009	3/26/2009	1	0	0.43
UPR-200-W-99	299-W14-20	B1YMC0	Cesium-134	13967-70-9	pCi/g	3/26/2009	3/26/2009	1	0	0.39
UPR-200-W-99	299-W14-20	B1YMC1	Cesium-134	13967-70-9	pCi/g	3/26/2009	3/26/2009	1	0	0.39
UPR-200-W-99	299-W14-20	B1YMC2	Cesium-134	13967-70-9	pCi/g	3/26/2009	3/26/2009	1	0	0.40
UPR-200-W-99	299-W14-20	B1YMC3	Cesium-134	13967-70-9	pCi/g	3/27/2009	3/27/2009	1	0	0.35
UPR-200-W-99	299-W14-20	B1YMC4	Cesium-134	13967-70-9	pCi/g	3/27/2009	3/27/2009	1	0	0.38
UPR-200-W-99	299-W14-20	B1YMC5	Cesium-134	13967-70-9	pCi/g	3/27/2009	3/27/2009	1	0	0.41
UPR-200-W-99	299-W14-20	B1YMC6	Cesium-134	13967-70-9	pCi/g	3/27/2009	3/27/2009	1	0	0.38
UPR-200-W-99	299-W14-20	B20KP2	Cesium-134	13967-70-9	pCi/g	5/12/2009	5/12/2009	1	0	0.014
UPR-200-W-99	299-W14-20	B1YD14	Cesium-137	10045-97-3	pCi/g	3/26/2009	3/26/2009	1	0	0.016
UPR-200-W-99	299-W14-20	B1YD15	Cesium-137	10045-97-3	pCi/g	4/6/2009	4/6/2009	1	0	0.0079
UPR-200-W-99	299-W14-20	B1YD16	Cesium-137	10045-97-3	pCi/g	4/10/2009	4/10/2009	1	0	0.0077
UPR-200-W-99	299-W14-20	B1YM90	Cesium-137	10045-97-3	pCi/g	3/26/2009	3/26/2009	1	0	0.31
UPR-200-W-99	299-W14-20	B1YM93	Cesium-137	10045-97-3	pCi/g	4/15/2009	4/15/2009	1	0	0.16
UPR-200-W-99	299-W14-20	B1YM97	Cesium-137	10045-97-3	pCi/g	6/26/2009	6/26/2009	1	0	0.25
UPR-200-W-99	299-W14-20	B1YMC0	Cesium-137	10045-97-3	pCi/g	3/26/2009	3/26/2009	1	0	0.43
UPR-200-W-99	299-W14-20	B1YMC1	Cesium-137	10045-97-3	pCi/g	3/26/2009	3/26/2009	1	0	0.42
UPR-200-W-99	299-W14-20	B1YMC2	Cesium-137	10045-97-3	pCi/g	3/26/2009	3/26/2009	1	0	0.42
UPR-200-W-99	299-W14-20	B1YMC3	Cesium-137	10045-97-3	pCi/g	3/27/2009	3/27/2009	1	0	0.40
UPR-200-W-99	299-W14-20	B1YMC4	Cesium-137	10045-97-3	pCi/g	3/27/2009	3/27/2009	1	0	0.43
UPR-200-W-99	299-W14-20	B1YMC5	Cesium-137	10045-97-3	pCi/g	3/27/2009	3/27/2009	1	0	0.46
UPR-200-W-99	299-W14-20	B1YMC6	Cesium-137	10045-97-3	pCi/g	3/27/2009	3/27/2009	1	0	0.45
UPR-200-W-99	299-W14-20	B1YMM9	Chloroform	67-66-3	ug/kg	3/26/2009	3/26/2009	1	0	0.97
UPR-200-W-99	299-W14-20	B1YMN0	Chloroform	67-66-3	ug/kg	4/6/2009	4/6/2009	1	0	1.3
UPR-200-W-99	299-W14-20	B1YMN1	Chloroform	67-66-3	ug/kg	4/10/2009	4/10/2009	1	0	0.77
UPR-200-W-99	299-W14-20	B1YD14	Cobalt-60	10198-40-0	pCi/g	3/26/2009	3/26/2009	1	0	0.016

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-W-99	299-W14-20	B1YD15	Cobalt-60	10198-40-0	pCi/g	4/6/2009	4/6/2009	1	0	0.0082
UPR-200-W-99	299-W14-20	B1YD16	Cobalt-60	10198-40-0	pCi/g	4/10/2009	4/10/2009	1	0	0.0076
UPR-200-W-99	299-W14-20	B1YM90	Cobalt-60	10198-40-0	pCi/g	3/26/2009	3/26/2009	1	0	0.28
UPR-200-W-99	299-W14-20	B1YM93	Cobalt-60	10198-40-0	pCi/g	4/15/2009	4/15/2009	1	0	0.13
UPR-200-W-99	299-W14-20	B1YM97	Cobalt-60	10198-40-0	pCi/g	6/26/2009	6/26/2009	1	0	0.21
UPR-200-W-99	299-W14-20	B1YMC0	Cobalt-60	10198-40-0	pCi/g	3/26/2009	3/26/2009	1	0	0.33
UPR-200-W-99	299-W14-20	B1YMC1	Cobalt-60	10198-40-0	pCi/g	3/26/2009	3/26/2009	1	0	0.33
UPR-200-W-99	299-W14-20	B1YMC2	Cobalt-60	10198-40-0	pCi/g	3/26/2009	3/26/2009	1	0	0.31
UPR-200-W-99	299-W14-20	B1YMC3	Cobalt-60	10198-40-0	pCi/g	3/27/2009	3/27/2009	1	0	0.34
UPR-200-W-99	299-W14-20	B1YMC4	Cobalt-60	10198-40-0	pCi/g	3/27/2009	3/27/2009	1	0	0.32
UPR-200-W-99	299-W14-20	B1YMC5	Cobalt-60	10198-40-0	pCi/g	3/27/2009	3/27/2009	1	0	0.33
UPR-200-W-99	299-W14-20	B1YMC6	Cobalt-60	10198-40-0	pCi/g	3/27/2009	3/27/2009	1	0	0.33
UPR-200-W-99	299-W14-20	B20KP2	Cobalt-60	10198-40-0	pCi/g	5/12/2009	5/12/2009	1	0	0.010
UPR-200-W-99	299-W14-20	B20KP2	Cyanide	57-12-5	ug/kg	5/12/2009	5/12/2009	1	0	200
UPR-200-W-99	299-W14-20	B1YD14	Europium-152	14683-23-9	pCi/g	3/26/2009	3/26/2009	1	0	0.046
UPR-200-W-99	299-W14-20	B1YD15	Europium-152	14683-23-9	pCi/g	4/6/2009	4/6/2009	1	0	0.024
UPR-200-W-99	299-W14-20	B1YD16	Europium-152	14683-23-9	pCi/g	4/10/2009	4/10/2009	1	0	0.022
UPR-200-W-99	299-W14-20	B1YM90	Europium-152	14683-23-9	pCi/g	3/26/2009	3/26/2009	1	0	1.1
UPR-200-W-99	299-W14-20	B1YM93	Europium-152	14683-23-9	pCi/g	4/15/2009	4/15/2009	1	0	0.56
UPR-200-W-99	299-W14-20	B1YM97	Europium-152	14683-23-9	pCi/g	6/26/2009	6/26/2009	1	0	0.99
UPR-200-W-99	299-W14-20	B1YMC0	Europium-152	14683-23-9	pCi/g	3/26/2009	3/26/2009	1	0	1.7
UPR-200-W-99	299-W14-20	B1YMC1	Europium-152	14683-23-9	pCi/g	3/26/2009	3/26/2009	1	0	1.7
UPR-200-W-99	299-W14-20	B1YMC2	Europium-152	14683-23-9	pCi/g	3/26/2009	3/26/2009	1	0	1.5
UPR-200-W-99	299-W14-20	B1YMC3	Europium-152	14683-23-9	pCi/g	3/27/2009	3/27/2009	1	0	1.4
UPR-200-W-99	299-W14-20	B1YMC4	Europium-152	14683-23-9	pCi/g	3/27/2009	3/27/2009	1	0	1.7
UPR-200-W-99	299-W14-20	B1YMC5	Europium-152	14683-23-9	pCi/g	3/27/2009	3/27/2009	1	0	1.8
UPR-200-W-99	299-W14-20	B1YMC6	Europium-152	14683-23-9	pCi/g	3/27/2009	3/27/2009	1	0	1.6
UPR-200-W-99	299-W14-20	B20KP2	Europium-152	14683-23-9	pCi/g	5/12/2009	5/12/2009	1	0	0.033
UPR-200-W-99	299-W14-20	B1YD14	Europium-154	15585-10-1	pCi/g	3/26/2009	3/26/2009	1	0	0.050
UPR-200-W-99	299-W14-20	B1YD15	Europium-154	15585-10-1	pCi/g	4/6/2009	4/6/2009	1	0	0.024
UPR-200-W-99	299-W14-20	B1YD16	Europium-154	15585-10-1	pCi/g	4/10/2009	4/10/2009	1	0	0.022
UPR-200-W-99	299-W14-20	B1YM90	Europium-154	15585-10-1	pCi/g	3/26/2009	3/26/2009	1	0	0.66
UPR-200-W-99	299-W14-20	B1YM93	Europium-154	15585-10-1	pCi/g	4/15/2009	4/15/2009	1	0	0.34
UPR-200-W-99	299-W14-20	B1YM97	Europium-154	15585-10-1	pCi/g	6/26/2009	6/26/2009	1	0	0.58
UPR-200-W-99	299-W14-20	B1YMC0	Europium-154	15585-10-1	pCi/g	3/26/2009	3/26/2009	1	0	1.2
UPR-200-W-99	299-W14-20	B1YMC1	Europium-154	15585-10-1	pCi/g	3/26/2009	3/26/2009	1	0	1.0
UPR-200-W-99	299-W14-20	B1YMC2	Europium-154	15585-10-1	pCi/g	3/26/2009	3/26/2009	1	0	0.96
UPR-200-W-99	299-W14-20	B1YMC3	Europium-154	15585-10-1	pCi/g	3/27/2009	3/27/2009	1	0	1.0
UPR-200-W-99	299-W14-20	B1YMC4	Europium-154	15585-10-1	pCi/g	3/27/2009	3/27/2009	1	0	1.1
UPR-200-W-99	299-W14-20	B1YMC5	Europium-154	15585-10-1	pCi/g	3/27/2009	3/27/2009	1	0	1.2
UPR-200-W-99	299-W14-20	B1YMC6	Europium-154	15585-10-1	pCi/g	3/27/2009	3/27/2009	1	0	1.0
UPR-200-W-99	299-W14-20	B20KP2	Europium-154	15585-10-1	pCi/g	5/12/2009	5/12/2009	1	0	0.031
UPR-200-W-99	299-W14-20	B1YD14	Europium-155	14391-16-3	pCi/g	3/26/2009	3/26/2009	1	0	0.071
UPR-200-W-99	299-W14-20	B1YD15	Europium-155	14391-16-3	pCi/g	4/6/2009	4/6/2009	1	0	0.037
UPR-200-W-99	299-W14-20	B1YD16	Europium-155	14391-16-3	pCi/g	4/10/2009	4/10/2009	1	0	0.033
UPR-200-W-99	299-W14-20	B1YM93	Europium-155	14391-16-3	pCi/g	4/15/2009	4/15/2009	1	0	0.55
UPR-200-W-99	299-W14-20	B1YM97	Europium-155	14391-16-3	pCi/g	6/26/2009	6/26/2009	1	0	0.88
UPR-200-W-99	299-W14-20	B1YMB9	Europium-155	14391-16-3	pCi/g	3/26/2009	3/26/2009	1	0	0.64
UPR-200-W-99	299-W14-20	B1YMC0	Europium-155	14391-16-3	pCi/g	3/26/2009	3/26/2009	1	0	0.53
UPR-200-W-99	299-W14-20	B1YMC1	Europium-155	14391-16-3	pCi/g	3/26/2009	3/26/2009	1	0	0.58
UPR-200-W-99	299-W14-20	B1YMC2	Europium-155	14391-16-3	pCi/g	3/26/2009	3/26/2009	1	0	0.55
UPR-200-W-99	299-W14-20	B1YMC3	Europium-155	14391-16-3	pCi/g	3/27/2009	3/27/2009	1	0	0.53
UPR-200-W-99	299-W14-20	B1YMC4	Europium-155	14391-16-3	pCi/g	3/27/2009	3/27/2009	1	0	0.55
UPR-200-W-99	299-W14-20	B1YMC5	Europium-155	14391-16-3	pCi/g	3/27/2009	3/27/2009	1	0	0.58

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-W-99	299-W14-20	B1YMC6	Europium-155	14391-16-3	pCi/g	3/27/2009	3/27/2009	1	0	0.58
UPR-200-W-99	299-W14-20	B20KP2	Europium-155	14391-16-3	pCi/g	5/12/2009	5/12/2009	1	0	0.046
UPR-200-W-99	299-W14-20	B1YMB9	Gross alpha	12587-46-1	pCi/g	3/26/2009	3/26/2009	1	0	4.3
UPR-200-W-99	299-W14-20	B1YMC0	Gross alpha	12587-46-1	pCi/g	3/26/2009	3/26/2009	1	0	4.7
UPR-200-W-99	299-W14-20	B1YMC1	Gross alpha	12587-46-1	pCi/g	3/26/2009	3/26/2009	1	0	4.5
UPR-200-W-99	299-W14-20	B1YMC2	Gross alpha	12587-46-1	pCi/g	3/26/2009	3/26/2009	1	0	4.3
UPR-200-W-99	299-W14-20	B1YMC3	Gross alpha	12587-46-1	pCi/g	3/27/2009	3/27/2009	1	0	3.9
UPR-200-W-99	299-W14-20	B1YMC4	Gross alpha	12587-46-1	pCi/g	3/27/2009	3/27/2009	1	0	4.4
UPR-200-W-99	299-W14-20	B1YMC5	Gross alpha	12587-46-1	pCi/g	3/27/2009	3/27/2009	1	0	4.8
UPR-200-W-99	299-W14-20	B1YMC6	Gross alpha	12587-46-1	pCi/g	3/27/2009	3/27/2009	1	0	4.2
UPR-200-W-99	299-W14-20	B1YMB9	Gross beta	12587-47-2	pCi/g	3/26/2009	3/26/2009	1	0	19
UPR-200-W-99	299-W14-20	B1YMC1	Gross beta	12587-47-2	pCi/g	3/26/2009	3/26/2009	1	0	30
UPR-200-W-99	299-W14-20	B1YMC4	Gross beta	12587-47-2	pCi/g	3/27/2009	3/27/2009	1	0	30
UPR-200-W-99	299-W14-20	B1YD15	Hexavalent Chromium	18540-29-9	ug/kg	4/6/2009	4/6/2009	1	0	300
UPR-200-W-99	299-W14-20	B1YD16	Hexavalent Chromium	18540-29-9	ug/kg	4/10/2009	4/10/2009	1	0	300
UPR-200-W-99	299-W14-20	B1YMC3	Lead	7439-92-1	ug/kg	3/27/2009	3/27/2009	1	0	13,800
UPR-200-W-99	299-W14-20	B1YMC4	Lead	7439-92-1	ug/kg	3/27/2009	3/27/2009	1	0	15,700
UPR-200-W-99	299-W14-20	B1YMC6	Lead	7439-92-1	ug/kg	3/27/2009	3/27/2009	1	0	15,000
UPR-200-W-99	299-W14-20	B1YMC0	Lead-212	15092-94-1	pCi/g	3/26/2009	3/26/2009	1	0	0.45
UPR-200-W-99	299-W14-20	B1YMC1	Lead-212	15092-94-1	pCi/g	3/26/2009	3/26/2009	1	0	0.49
UPR-200-W-99	299-W14-20	B1YMC2	Lead-212	15092-94-1	pCi/g	3/26/2009	3/26/2009	1	0	0.41
UPR-200-W-99	299-W14-20	B1YMC3	Lead-212	15092-94-1	pCi/g	3/27/2009	3/27/2009	1	0	0.42
UPR-200-W-99	299-W14-20	B1YMB9	Lead-214	15067-28-4	pCi/g	3/26/2009	3/26/2009	1	0	0.86
UPR-200-W-99	299-W14-20	B1YMC0	Lead-214	15067-28-4	pCi/g	3/26/2009	3/26/2009	1	0	0.85
UPR-200-W-99	299-W14-20	B1YMC2	Lead-214	15067-28-4	pCi/g	3/26/2009	3/26/2009	1	0	0.71
UPR-200-W-99	299-W14-20	B1YMC4	Lead-214	15067-28-4	pCi/g	3/27/2009	3/27/2009	1	0	0.76
UPR-200-W-99	299-W14-20	B1YMC6	Lead-214	15067-28-4	pCi/g	3/27/2009	3/27/2009	1	0	0.63
UPR-200-W-99	299-W14-20	B1YM91	Lithium	7439-93-2	ug/kg	4/6/2009	4/6/2009	1	0	23,000
UPR-200-W-99	299-W14-20	B1YM92	Lithium	7439-93-2	ug/kg	4/10/2009	4/10/2009	1	0	22,600
UPR-200-W-99	299-W14-20	B20KP2	Mercury	7439-97-6	ug/kg	5/12/2009	5/12/2009	1	0	50
UPR-200-W-99	299-W14-20	B1YMM9	Methylene chloride	75-09-2	ug/kg	3/26/2009	3/26/2009	1	0	0.97
UPR-200-W-99	299-W14-20	B1YMN0	Methylene chloride	75-09-2	ug/kg	4/6/2009	4/6/2009	1	0	1.3
UPR-200-W-99	299-W14-20	B1YMN1	Methylene chloride	75-09-2	ug/kg	4/10/2009	4/10/2009	1	0	0.77
UPR-200-W-99	299-W14-20	B1YM91	Molybdenum	7439-98-7	ug/kg	4/6/2009	4/6/2009	1	0	8,390
UPR-200-W-99	299-W14-20	B1YM92	Molybdenum	7439-98-7	ug/kg	4/10/2009	4/10/2009	1	0	8,260
UPR-200-W-99	299-W14-20	B1YMB9	Molybdenum	7439-98-7	ug/kg	3/26/2009	3/26/2009	1	0	6,170
UPR-200-W-99	299-W14-20	B1YMC0	Molybdenum	7439-98-7	ug/kg	3/26/2009	3/26/2009	1	0	6,680
UPR-200-W-99	299-W14-20	B1YMC1	Molybdenum	7439-98-7	ug/kg	3/26/2009	3/26/2009	1	0	6,410
UPR-200-W-99	299-W14-20	B1YMC2	Molybdenum	7439-98-7	ug/kg	3/26/2009	3/26/2009	1	0	6,200
UPR-200-W-99	299-W14-20	B1YMC3	Molybdenum	7439-98-7	ug/kg	3/27/2009	3/27/2009	1	0	5,520
UPR-200-W-99	299-W14-20	B1YMC4	Molybdenum	7439-98-7	ug/kg	3/27/2009	3/27/2009	1	0	6,280
UPR-200-W-99	299-W14-20	B1YMC5	Molybdenum	7439-98-7	ug/kg	3/27/2009	3/27/2009	1	0	6,870
UPR-200-W-99	299-W14-20	B1YMC6	Molybdenum	7439-98-7	ug/kg	3/27/2009	3/27/2009	1	0	5,980
UPR-200-W-99	299-W14-20	B1YMC0	Nickel	7440-02-0	ug/kg	3/26/2009	3/26/2009	1	0	6,680
UPR-200-W-99	299-W14-20	B1YMC4	Nickel	7440-02-0	ug/kg	3/27/2009	3/27/2009	1	0	6,280
UPR-200-W-99	299-W14-20	B20KP2	Nickel-63	13981-37-8	pCi/g	5/12/2009	5/12/2009	1	0	3.3
UPR-200-W-99	299-W14-20	B1YD15	Nitrate	14797-55-8	ug/kg	4/6/2009	4/6/2009	1	0	6,860
UPR-200-W-99	299-W14-20	B1YM91	Nitrite	14797-65-0	ug/kg	4/6/2009	4/6/2009	1	0	1,070
UPR-200-W-99	299-W14-20	B1YM92	Nitrite	14797-65-0	ug/kg	4/10/2009	4/10/2009	1	0	1,010
UPR-200-W-99	299-W14-20	B20KP2	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	5/12/2009	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B20KP2	Phenol	108-95-2	ug/kg	5/12/2009	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B1YM90	Phosphate	14265-44-2	ug/kg	3/26/2009	3/26/2009	1	0	1,500
UPR-200-W-99	299-W14-20	B1YM91	Phosphate	14265-44-2	ug/kg	4/6/2009	4/6/2009	1	0	1,610
UPR-200-W-99	299-W14-20	B1YM92	Phosphate	14265-44-2	ug/kg	4/10/2009	4/10/2009	1	0	1,510

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-W-99	299-W14-20	B20KP2	Plutonium-238	13981-16-3	pCi/g	5/12/2009	5/12/2009	1	0	0.074
UPR-200-W-99	299-W14-20	B20KP2	Plutonium-239/240	PU-239/240	pCi/g	5/12/2009	5/12/2009	1	0	0.016
UPR-200-W-99	299-W14-20	B20KP2	Pyrene	129-00-0	ug/kg	5/12/2009	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B1YM90	Selenium	7782-49-2	ug/kg	3/26/2009	3/26/2009	1	0	621
UPR-200-W-99	299-W14-20	B1YM91	Selenium	7782-49-2	ug/kg	4/6/2009	4/6/2009	1	0	580
UPR-200-W-99	299-W14-20	B1YM92	Selenium	7782-49-2	ug/kg	4/10/2009	4/10/2009	1	0	571
UPR-200-W-99	299-W14-20	B1YMC0	Selenium	7782-49-2	ug/kg	3/26/2009	3/26/2009	1	0	33,400
UPR-200-W-99	299-W14-20	B1YMC1	Selenium	7782-49-2	ug/kg	3/26/2009	3/26/2009	1	0	32,100
UPR-200-W-99	299-W14-20	B1YMC2	Selenium	7782-49-2	ug/kg	3/26/2009	3/26/2009	1	0	31,000
UPR-200-W-99	299-W14-20	B1YMC3	Selenium	7782-49-2	ug/kg	3/27/2009	3/27/2009	1	0	27,600
UPR-200-W-99	299-W14-20	B1YMC4	Selenium	7782-49-2	ug/kg	3/27/2009	3/27/2009	1	0	31,400
UPR-200-W-99	299-W14-20	B1YMC5	Selenium	7782-49-2	ug/kg	3/27/2009	3/27/2009	1	0	34,400
UPR-200-W-99	299-W14-20	B1YMC6	Selenium	7782-49-2	ug/kg	3/27/2009	3/27/2009	1	0	29,900
UPR-200-W-99	299-W14-20	B1YMB9	Silicon	7440-21-3	ug/kg	3/26/2009	3/26/2009	1	0	9,250
UPR-200-W-99	299-W14-20	B1YMC0	Silicon	7440-21-3	ug/kg	3/26/2009	3/26/2009	1	0	10,000
UPR-200-W-99	299-W14-20	B1YMC1	Silicon	7440-21-3	ug/kg	3/26/2009	3/26/2009	1	0	9,620
UPR-200-W-99	299-W14-20	B1YMC2	Silicon	7440-21-3	ug/kg	3/26/2009	3/26/2009	1	0	9,300
UPR-200-W-99	299-W14-20	B1YMC3	Silicon	7440-21-3	ug/kg	3/27/2009	3/27/2009	1	0	8,280
UPR-200-W-99	299-W14-20	B1YMC4	Silicon	7440-21-3	ug/kg	3/27/2009	3/27/2009	1	0	9,410
UPR-200-W-99	299-W14-20	B1YMC5	Silicon	7440-21-3	ug/kg	3/27/2009	3/27/2009	1	0	10,300
UPR-200-W-99	299-W14-20	B1YMC6	Silicon	7440-21-3	ug/kg	3/27/2009	3/27/2009	1	0	8,980
UPR-200-W-99	299-W14-20	B1YM91	Silver	7440-22-4	ug/kg	4/6/2009	4/6/2009	1	0	19
UPR-200-W-99	299-W14-20	B1YM92	Silver	7440-22-4	ug/kg	4/10/2009	4/10/2009	1	0	19
UPR-200-W-99	299-W14-20	B1YMB9	Silver	7440-22-4	ug/kg	3/26/2009	3/26/2009	1	0	1,540
UPR-200-W-99	299-W14-20	B1YMC0	Silver	7440-22-4	ug/kg	3/26/2009	3/26/2009	1	0	1,670
UPR-200-W-99	299-W14-20	B1YMC1	Silver	7440-22-4	ug/kg	3/26/2009	3/26/2009	1	0	1,600
UPR-200-W-99	299-W14-20	B1YMC2	Silver	7440-22-4	ug/kg	3/26/2009	3/26/2009	1	0	1,550
UPR-200-W-99	299-W14-20	B1YMC3	Silver	7440-22-4	ug/kg	3/27/2009	3/27/2009	1	0	1,380
UPR-200-W-99	299-W14-20	B1YMC5	Silver	7440-22-4	ug/kg	3/27/2009	3/27/2009	1	0	1,720
UPR-200-W-99	299-W14-20	B1YMC6	Silver	7440-22-4	ug/kg	3/27/2009	3/27/2009	1	0	1,500
UPR-200-W-99	299-W14-20	B20KP2	Silver	7440-22-4	ug/kg	5/12/2009	5/12/2009	1	0	99
UPR-200-W-99	299-W14-20	B20KP2	Strontium-90	10098-97-2	pCi/g	5/12/2009	5/12/2009	1	0	0.32
UPR-200-W-99	299-W14-20	B1YMM9	Styrene	100-42-5	ug/kg	3/26/2009	3/26/2009	1	0	0.97
UPR-200-W-99	299-W14-20	B1YMN0	Styrene	100-42-5	ug/kg	4/6/2009	4/6/2009	1	0	1.3
UPR-200-W-99	299-W14-20	B1YMN1	Styrene	100-42-5	ug/kg	4/10/2009	4/10/2009	1	0	0.77
UPR-200-W-99	299-W14-20	B1YMB9	Sulfur	7704-34-9	ug/kg	3/26/2009	3/26/2009	1	0	30,800
UPR-200-W-99	299-W14-20	B1YMC5	Sulfur	7704-34-9	ug/kg	3/27/2009	3/27/2009	1	0	34,400
UPR-200-W-99	299-W14-20	B20KP2	Technetium-99	14133-76-7	pCi/g	5/12/2009	5/12/2009	1	0	0.38
UPR-200-W-99	299-W14-20	B1YMB9	Thallium	7440-28-0	ug/kg	3/26/2009	3/26/2009	1	0	30,800
UPR-200-W-99	299-W14-20	B1YMC0	Thallium	7440-28-0	ug/kg	3/26/2009	3/26/2009	1	0	33,400
UPR-200-W-99	299-W14-20	B1YMC2	Thallium	7440-28-0	ug/kg	3/26/2009	3/26/2009	1	0	31,000
UPR-200-W-99	299-W14-20	B1YMC4	Thallium	7440-28-0	ug/kg	3/27/2009	3/27/2009	1	0	31,400
UPR-200-W-99	299-W14-20	B1YMB9	Thallium-208	14913-50-9	pCi/g	3/26/2009	3/26/2009	1	0	0.42
UPR-200-W-99	299-W14-20	B1YMC0	Thallium-208	14913-50-9	pCi/g	3/26/2009	3/26/2009	1	0	0.38
UPR-200-W-99	299-W14-20	B1YMC1	Thallium-208	14913-50-9	pCi/g	3/26/2009	3/26/2009	1	0	0.35
UPR-200-W-99	299-W14-20	B1YMC2	Thallium-208	14913-50-9	pCi/g	3/26/2009	3/26/2009	1	0	0.31
UPR-200-W-99	299-W14-20	B1YMC3	Thallium-208	14913-50-9	pCi/g	3/27/2009	3/27/2009	1	0	0.33
UPR-200-W-99	299-W14-20	B1YMC4	Thallium-208	14913-50-9	pCi/g	3/27/2009	3/27/2009	1	0	0.35
UPR-200-W-99	299-W14-20	B1YMC5	Thallium-208	14913-50-9	pCi/g	3/27/2009	3/27/2009	1	0	0.33
UPR-200-W-99	299-W14-20	B1YMC6	Thallium-208	14913-50-9	pCi/g	3/27/2009	3/27/2009	1	0	0.38
UPR-200-W-99	299-W14-20	B1YMB9	Tin-126	15832-50-5	pCi/g	3/26/2009	3/26/2009	1	0	0.37
UPR-200-W-99	299-W14-20	B1YMC0	Tin-126	15832-50-5	pCi/g	3/26/2009	3/26/2009	1	0	0.30
UPR-200-W-99	299-W14-20	B1YMC1	Tin-126	15832-50-5	pCi/g	3/26/2009	3/26/2009	1	0	0.29
UPR-200-W-99	299-W14-20	B1YMC2	Tin-126	15832-50-5	pCi/g	3/26/2009	3/26/2009	1	0	0.28

Table 9. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	MDL or MDA
UPR-200-W-99	299-W14-20	B1YMC3	Tin-126	15832-50-5	pCi/g	3/27/2009	3/27/2009	1	0	0.28
UPR-200-W-99	299-W14-20	B1YMC4	Tin-126	15832-50-5	pCi/g	3/27/2009	3/27/2009	1	0	0.30
UPR-200-W-99	299-W14-20	B1YMC5	Tin-126	15832-50-5	pCi/g	3/27/2009	3/27/2009	1	0	0.31
UPR-200-W-99	299-W14-20	B1YMC6	Tin-126	15832-50-5	pCi/g	3/27/2009	3/27/2009	1	0	0.29
UPR-200-W-99	299-W14-20	B1YMM9	Toluene	108-88-3	ug/kg	3/26/2009	3/26/2009	1	0	0.97
UPR-200-W-99	299-W14-20	B1YMN0	Toluene	108-88-3	ug/kg	4/6/2009	4/6/2009	1	0	1.3
UPR-200-W-99	299-W14-20	B1YMN1	Toluene	108-88-3	ug/kg	4/10/2009	4/10/2009	1	0	0.77
UPR-200-W-99	299-W14-20	B1YM91	Total Inorganic Carbon	TINC	ug/kg	4/6/2009	4/6/2009	1	0	200,000
UPR-200-W-99	299-W14-20	B1YM93	Total Inorganic Carbon	TINC	ug/kg	4/15/2009	4/15/2009	1	0	200,000
UPR-200-W-99	299-W14-20	B1YM97	Total organic carbon	TOC	ug/kg	6/26/2009	6/26/2009	1	0	200,000
UPR-200-W-99	299-W14-20	B20KP2	Tributyl phosphate	126-73-8	ug/kg	5/12/2009	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B1YD15	Tritium	10028-17-8	pCi/g	4/6/2009	4/6/2009	1	0	4.1
UPR-200-W-99	299-W14-20	B1YD16	Tritium	10028-17-8	pCi/g	4/10/2009	4/10/2009	1	0	4.0
UPR-200-W-99	299-W14-20	B20KP2	Tritium	10028-17-8	pCi/g	5/12/2009	5/12/2009	1	0	3.6

Table 10. 200-IA-1 Operable Unit Excluded Analytes for Human Health Evaluation

Analyte	Analyte Class	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Detect	Max Detect	Basis for Exclusion
Acetate	ANION	71-50-1	ug/kg	8/17/2010	8/29/2010	5	5	100	182	520	No Toxicity Value
Chloride	ANION	16887-00-6	ug/kg	4/4/2003	10/22/2015	22	22	100	632	36,300	No Toxicity Value
Formate	ANION	FORMATE	ug/kg	8/17/2010	8/29/2010	7	7	100	170	1,850	No Toxicity Value
Oxalate	ANION	338-70-5	ug/kg	8/17/2010	8/27/2010	2	2	100	303	3,140	No Toxicity Value
Phosphate	ANION	14265-44-2	ug/kg	4/4/2003	10/6/2015	14	14	100	280	14,900	No Toxicity Value
Sulfate	ANION	14808-79-8	ug/kg	4/4/2003	10/22/2015	24	24	100	2,660	458,000	No Toxicity Value
Sulfide	ANION	18496-25-8	ug/kg	8/17/2010	8/29/2010	8	8	100	7,450	28,900	No Toxicity Value
Ammonium ion	CATION	14798-03-9	ug/kg	4/4/2003	8/29/2010	7	7	100	605	22,800	No Toxicity Value
Alkalinity	GEN CHEM	ALKALINITY	ug/kg	4/29/2008	4/29/2008	1	1	100	54,500	54,500	No Toxicity Value
Bulk density - wet	GEN CHEM	BULKDENSITY-WET	ug/L	8/18/2010	8/29/2010	5	5	100	1.74E+09	2.14E+09	No Toxicity Value
Percent moisture (dry sample)	GEN CHEM	%MOISTURE-D	%	9/5/2003	9/10/2003	3	3	100	3.3	14	No Toxicity Value
Percent moisture (wet sample)	GEN CHEM	%MOISTURE	%	9/5/2003	11/12/2015	13	13	100	3.1	13	No Toxicity Value
Percent Solids	GEN CHEM	%SOLIDS	%	9/5/2003	11/12/2015	4	4	100	88	97	No Toxicity Value
pH Measurement	GEN CHEM	PH	unitless	8/7/2000	8/29/2010	18	18	100	8.5	10	No Toxicity Value
Specific Conductance	GEN CHEM	CONDUCT	uS/cm	4/29/2008	4/29/2008	1	1	100	238	238	No Toxicity Value
Total carbon	GEN CHEM	TC	ug/kg	4/29/2008	4/29/2008	1	1	100	700,000	700,000	No Toxicity Value
Total Inorganic Carbon	GEN CHEM	TINC	ug/kg	4/29/2008	4/29/2008	1	1	100	631,000	631,000	No Toxicity Value
Ammonia	GEN CHEM	7664-41-7	ug/kg	10/19/2001	10/22/2015	3	3	100	3,940	18,400	No Toxicity Value
Silicon	METAL	7440-21-3	ug/kg	8/17/2010	8/29/2010	8	8	100	59,400	118,000	No Toxicity Value
Calcium	METAL	7440-70-2	ug/kg	10/19/2001	7/21/2015	12	12	100	3.66E+06	1.98E+07	Essential Nutrient
Cerium	METAL	7440-45-1	ug/kg	8/17/2010	8/29/2010	8	8	100	18,200	31,300	No Toxicity Value
Lanthanum	METAL	7439-91-0	ug/kg	8/17/2010	8/29/2010	8	8	100	7,930	13,000	No Toxicity Value
Magnesium	METAL	7439-95-4	ug/kg	10/19/2001	7/21/2015	12	12	100	3.38E+06	5.10E+06	Essential Nutrient
Phosphorus	METAL	7723-14-0	ug/kg	8/17/2010	8/29/2010	8	8	100	702,000	1.35E+06	No Toxicity Value
Potassium	METAL	7440-09-7	ug/kg	10/19/2001	8/29/2010	10	10	100	586,000	1.51E+06	Essential Nutrient
Sodium	METAL	7440-23-5	ug/kg	10/19/2001	8/29/2010	10	10	100	205,000	627,000	Essential Nutrient
Sulfur	METAL	7704-34-9	ug/kg	8/17/2010	8/29/2010	8	8	100	45,800	145,000	No Toxicity Value
Thorium	METAL	7440-29-1	ug/kg	4/4/2003	7/21/2015	3	3	100	2,240	3,490	No Toxicity Value
Titanium	METAL	7440-32-6	ug/kg	8/17/2010	8/29/2010	8	8	100	537,000	2.44E+06	No Toxicity Value
Yttrium	METAL	7440-65-5	ug/kg	8/17/2010	8/29/2010	8	8	100	7,230	15,900	No Toxicity Value
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	PCB	2051-24-3	ug/kg	8/17/2010	8/27/2010	5	5	100	4.20E-04	0.024	No Toxicity Value
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	PCB	40186-72-9	ug/kg	8/17/2010	8/26/2010	3	3	100	4.80E-04	0.14	No Toxicity Value
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	PCB	35694-08-7	ug/kg	8/17/2010	8/26/2010	2	2	100	7.10E-04	0.058	No Toxicity Value
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	PCB	52663-79-3	ug/kg	8/26/2010	8/26/2010	1	1	100	0.012	0.012	No Toxicity Value
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	PCB	42740-50-1	ug/kg	8/26/2010	8/26/2010	1	1	100	0.027	0.027	No Toxicity Value
2,2',3,3',4,4',5,6-Octachlorobiphenyl	PCB	52663-78-2	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0066	0.0066	No Toxicity Value
2,2',3,3',4,4',5-Heptachlorobiphenyl	PCB	35065-30-6	ug/kg	8/17/2010	8/26/2010	2	2	100	0.0017	0.0018	No Toxicity Value
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	PCB	52663-77-1	ug/kg	8/26/2010	8/26/2010	1	1	100	0.035	0.035	No Toxicity Value
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	PCB	52663-73-7	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0080	0.0080	No Toxicity Value
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	PCB	40186-71-8	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0061	0.0061	No Toxicity Value
2,2',3,3',4,5,6'-Heptachlorobiphenyl	PCB	38411-25-5	ug/kg	8/17/2010	8/26/2010	2	2	100	0.0013	0.0096	No Toxicity Value
2,2',3,3',4',5,6-Heptachlorobiphenyl	PCB	52663-70-4	ug/kg	8/17/2010	8/26/2010	2	2	100	8.40E-04	0.0028	No Toxicity Value
2,2',3,3',4,6,6'-Heptachlorobiphenyl	PCB	52663-65-7	ug/kg	8/26/2010	8/26/2010	1	1	100	5.80E-04	5.80E-04	No Toxicity Value
2,2',3,3',4,6'-Hexachlorobiphenyl	PCB	38380-05-1	ug/kg	8/17/2010	8/17/2010	1	1	100	0.0013	0.0013	No Toxicity Value
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	PCB	2136-99-4	ug/kg	8/26/2010	8/26/2010	1	1	100	0.037	0.037	No Toxicity Value

Table 10. 200-IA-1 Operable Unit Excluded Analytes for Human Health Evaluation

Analyte	Analyte Class	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Detect	Max Detect	Basis for Exclusion
2,2',3,3',5,5',6-Heptachlorobiphenyl	PCB	52663-67-9	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0040	0.0040	No Toxicity Value
2,2',3,3',5,6,6'-Heptachlorobiphenyl	PCB	52663-64-6	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0087	0.0087	No Toxicity Value
2,2',3,3',5,6'-Hexachlorobiphenyl	PCB	52744-13-5	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0016	0.0016	No Toxicity Value
2,2',3,4,4',5,5',6-Octachlorobiphenyl	PCB	52663-76-0	ug/kg	8/17/2010	8/26/2010	2	2	100	4.00E-04	0.094	No Toxicity Value
2,2',3,4',5,5',6-Heptachlorobiphenyl	PCB	52663-68-0	ug/kg	8/17/2010	8/26/2010	3	3	100	4.50E-04	0.060	No Toxicity Value
2,2',3,4,5,5'-Hexachlorobiphenyl	PCB	52712-04-6	ug/kg	8/17/2010	8/17/2010	1	1	100	6.50E-04	6.50E-04	No Toxicity Value
2,2',3,4',5,5'-Hexachlorobiphenyl	PCB	51908-16-8	ug/kg	8/17/2010	8/17/2010	1	1	100	6.40E-04	6.40E-04	No Toxicity Value
2,2',3,5,5',6-Hexachlorobiphenyl	PCB	52663-63-5	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0016	0.0016	No Toxicity Value
2,2',3,5',6-Pentachlorobiphenyl	PCB	38379-99-6	ug/kg	8/17/2010	8/26/2010	4	4	100	6.20E-04	0.0017	No Toxicity Value
2,2',4-Trichlorobiphenyl	PCB	37680-66-3	ug/kg	8/17/2010	8/17/2010	1	1	100	0.0011	0.0011	No Toxicity Value
2,2',5,5'-Tetrachlorobiphenyl	PCB	35693-99-3	ug/kg	8/17/2010	8/29/2010	8	8	100	6.90E-04	0.0045	No Toxicity Value
2,2'-Dichlorobiphenyl	PCB	13029-08-8	ug/kg	8/17/2010	8/17/2010	1	1	100	0.0013	0.0013	No Toxicity Value
2,3,3',4,4',5,6-Heptachlorobiphenyl	PCB	41411-64-7	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0041	0.0041	No Toxicity Value
2,3,3',4,4',6-Hexachlorobiphenyl	PCB	74472-42-7	ug/kg	8/17/2010	8/17/2010	1	1	100	4.40E-04	4.40E-04	No Toxicity Value
2,3,3',4'-Tetrachlorobiphenyl	PCB	41464-43-1	ug/kg	8/17/2010	8/26/2010	2	2	100	6.30E-04	6.60E-04	No Toxicity Value
2,3',4,4'-Tetrachlorobiphenyl	PCB	32598-10-0	ug/kg	8/17/2010	8/26/2010	4	4	100	3.60E-04	9.70E-04	No Toxicity Value
2,3',4,5'-Tetrachlorobiphenyl	PCB	73575-52-7	ug/kg	8/18/2010	8/29/2010	5	5	100	4.90E-04	7.20E-04	No Toxicity Value
2,3,4',6-Tetrachlorobiphenyl	PCB	52663-58-8	ug/kg	8/17/2010	8/26/2010	4	4	100	5.00E-04	9.80E-04	No Toxicity Value
2,3,4'-Trichlorobiphenyl	PCB	38444-85-8	ug/kg	8/17/2010	8/29/2010	5	5	100	5.10E-04	0.0010	No Toxicity Value
2,3',4-Trichlorobiphenyl	PCB	55712-37-3	ug/kg	8/19/2010	8/19/2010	1	1	100	0.0013	0.0013	No Toxicity Value
2,4',5-Trichlorobiphenyl	PCB	16606-02-3	ug/kg	8/17/2010	8/29/2010	8	8	100	9.40E-04	0.0039	No Toxicity Value
2,4',6-Trichlorobiphenyl	PCB	38444-77-8	ug/kg	8/19/2010	8/19/2010	1	1	100	0.0021	0.0021	No Toxicity Value
2,4'-Dichlorobiphenyl	PCB	34883-43-7	ug/kg	8/17/2010	8/29/2010	7	7	100	0.0013	0.0021	No Toxicity Value
2-Monochlorobiphenyl	PCB	2051-60-7	ug/kg	8/18/2010	8/18/2010	1	1	100	3.20E-04	3.20E-04	No Toxicity Value
3,3'-Dichlorobiphenyl	PCB	2050-67-1	ug/kg	8/17/2010	8/29/2010	8	8	100	0.0036	0.0078	No Toxicity Value
3,4,4'-Trichlorobiphenyl	PCB	38444-90-5	ug/kg	8/17/2010	8/17/2010	1	1	100	4.00E-04	4.00E-04	No Toxicity Value
Co-elution of PCB congeners BZ 110 and 115	PCB	PCB110/115	ug/kg	8/17/2010	8/29/2010	5	5	100	6.00E-04	0.0040	No Toxicity Value
Co-elution of PCB congeners BZ 128 and 166	PCB	PCB128/166	ug/kg	8/17/2010	8/26/2010	2	2	100	9.00E-04	0.0020	No Toxicity Value
Co-elution of PCB congeners BZ 129, 138, 160, and 163	PCB	PCB129/138/160+	ug/kg	8/17/2010	8/29/2010	6	6	100	9.00E-04	0.0060	No Toxicity Value
Co-elution of PCB congeners BZ 135 and 151	PCB	PCB135/151	ug/kg	8/17/2010	8/17/2010	1	1	100	0.0010	0.0010	No Toxicity Value
Co-elution of PCB congeners BZ 147 and 149	PCB	PCB147/149	ug/kg	8/17/2010	8/29/2010	6	6	100	8.00E-04	0.0040	No Toxicity Value
Co-elution of PCB congeners BZ 153 and 168	PCB	PCB153/168	ug/kg	8/17/2010	8/29/2010	8	8	100	6.00E-04	0.0040	No Toxicity Value
Co-elution of PCB congeners BZ 156 and 157	PCB	PCB156/157	ug/kg	8/17/2010	8/17/2010	1	1	100	4.00E-04	4.00E-04	No Toxicity Value
Co-elution of PCB congeners BZ 18 and 30	PCB	PCB18/30	ug/kg	8/17/2010	8/29/2010	6	6	100	0.0010	0.0040	No Toxicity Value
Co-elution of PCB congeners BZ 180 and 193	PCB	PCB180/193	ug/kg	8/17/2010	8/27/2010	5	5	100	7.00E-04	0.040	No Toxicity Value
Co-elution of PCB congeners BZ 183 and 185	PCB	PCB183/185	ug/kg	8/17/2010	8/26/2010	2	2	100	5.00E-04	0.010	No Toxicity Value
Co-elution of PCB congeners BZ 198 and 201	PCB	PCB198/201	ug/kg	8/26/2010	8/26/2010	1	1	100	0.10	0.10	No Toxicity Value
Co-elution of PCB congeners BZ 20 and 28	PCB	PCB20/28	ug/kg	8/17/2010	8/29/2010	8	8	100	0.0010	0.0040	No Toxicity Value
Co-elution of PCB congeners BZ 21 and 33	PCB	PCB21/33	ug/kg	8/17/2010	8/29/2010	8	8	100	7.00E-04	0.0020	No Toxicity Value
Co-elution of PCB congeners BZ 26 and 29	PCB	PCB26/29	ug/kg	8/19/2010	8/26/2010	2	2	100	8.00E-04	0.0010	No Toxicity Value
Co-elution of PCB congeners BZ 44, 47, and 65	PCB	PCB44/47/65	ug/kg	8/17/2010	8/29/2010	8	8	100	0.0040	0.010	No Toxicity Value
Co-elution of PCB congeners BZ 45 and 51	PCB	PCB45/51	ug/kg	8/17/2010	8/29/2010	6	6	100	7.00E-04	0.0020	No Toxicity Value
Co-elution of PCB congeners BZ 49 and 69	PCB	PCB49/69	ug/kg	8/17/2010	8/29/2010	5	5	100	7.00E-04	0.0020	No Toxicity Value
Co-elution of PCB congeners BZ 61, 70, 74, and 76	PCB	PCB61/70/74/76	ug/kg	8/17/2010	8/29/2010	6	6	100	0.0010	0.0020	No Toxicity Value
Co-elution of PCB congeners BZ 83 and 99	PCB	PCB83/99	ug/kg	8/17/2010	8/17/2010	1	1	100	0.0010	0.0010	No Toxicity Value

Table 10. 200-IA-1 Operable Unit Excluded Analytes for Human Health Evaluation

Analyte	Analyte Class	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Detect	Max Detect	Basis for Exclusion
Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB	PCB86/87/97+	ug/kg	8/17/2010	8/17/2010	1	1	100	0.0010	0.0010	No Toxicity Value
Co-elution of PCB congeners BZ 90, 101, and 113	PCB	PCB90/101/113	ug/kg	8/17/2010	8/29/2010	5	5	100	9.00E-04	0.0020	No Toxicity Value
Antimony-125	RAD	14234-35-6	pCi/g	5/10/2000	6/3/2010	7	7	100	-1.16E-03	0.0016	Half-Life less than 3 years
Bismuth-212	RAD	14913-49-6	pCi/g	4/4/2003	9/10/2003	4	4	100	0.22	0.36	Half-Life less than 3 years
Bismuth-214	RAD	14733-03-0	pCi/g	4/4/2003	8/29/2010	6	6	100	0.29	0.88	Half-Life less than 3 years
Cesium-134	RAD	13967-70-9	pCi/g	5/10/2000	6/3/2010	7	7	100	3.76E-05	0.0019	Half-Life less than 3 years
Lead-212	RAD	15092-94-1	pCi/g	4/4/2003	8/26/2010	5	5	100	0.47	0.60	Half-Life less than 3 years
Lead-214	RAD	15067-28-4	pCi/g	4/4/2003	8/29/2010	6	6	100	0.35	0.83	Half-Life less than 3 years
Ruthenium-106	RAD	13967-48-1	pCi/g	5/10/2000	6/3/2010	7	7	100	-1.03E-04	1.13E-04	Half-Life less than 3 years
Thallium-208	RAD	14913-50-9	pCi/g	4/4/2003	9/10/2003	4	4	100	0.13	0.17	Half-Life less than 3 years
Thorium-228	RAD	14274-82-9	pCi/g	8/7/2000	5/12/2009	24	24	100	2.68E-04	0.018	Background Radionuclide—not site-related
Thorium-230	RAD	14269-63-7	pCi/g	8/7/2000	5/12/2009	24	24	100	0.25	1.4	Background Radionuclide—not site-related
Thorium-232	RAD	TH-232	pCi/g	8/7/2000	5/12/2009	24	24	100	0.21	0.95	Background Radionuclide—not site-related
Di-n-butylphthalate	SVOC	84-74-2	ug/kg	10/28/2002	10/6/2015	7	7	100	43	570	No Toxicity Value
Isopropenyl methyl ketone	SVOC	814-78-8	ug/kg	8/17/2010	8/17/2010	1	1	100	250	250	No Toxicity Value
n-Butyl benzenesulfonamide	SVOC	3622-84-2	ug/kg	4/4/2003	4/4/2003	1	1	100	2,900	2,900	No Toxicity Value
Cyclohexane, 2-Butyl-1,1,3-trimethyl-	VOC	54676-39-0	ug/kg	4/4/2003	4/4/2003	1	1	100	1,100	1,100	No Toxicity Value
Cyclotetrasiloxane, Octamethyl	VOC	556-67-2	ug/kg	4/4/2003	4/4/2003	1	1	100	35	35	No Toxicity Value
Decahydro-2,6-dimethyl-naphthalene	VOC	1618-22-0	ug/kg	4/4/2003	4/4/2003	1	1	100	1,100	1,100	No Toxicity Value
Diisobutyl Phthalate	VOC	84-69-5	ug/kg	8/17/2010	8/29/2010	7	7	100	210	740	No Toxicity Value

Table 11. 200-IA-1 Operable Unit Excluded Analytes for Kd Screening Evaluation

Analyte	Analyte Class	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Detect	Max Detect	Basis for Exclusion
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	PCB	2051-24-3	ug/kg	8/17/2010	8/27/2010	5	5	100	4.20E-04	0.024	No Toxicity Value
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	PCB	40186-72-9	ug/kg	8/17/2010	8/26/2010	3	3	100	4.80E-04	0.14	No Toxicity Value
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	PCB	35694-08-7	ug/kg	8/17/2010	8/26/2010	2	2	100	7.10E-04	0.058	No Toxicity Value
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	PCB	52663-79-3	ug/kg	8/26/2010	8/26/2010	1	1	100	0.012	0.012	No Toxicity Value
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	PCB	42740-50-1	ug/kg	8/26/2010	8/26/2010	1	1	100	0.027	0.027	No Toxicity Value
2,2',3,3',4,4',5,6-Octachlorobiphenyl	PCB	52663-78-2	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0066	0.0066	No Toxicity Value
2,2',3,3',4,4',5-Heptachlorobiphenyl	PCB	35065-30-6	ug/kg	8/17/2010	8/26/2010	2	2	100	0.0017	0.0018	No Toxicity Value
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	PCB	52663-77-1	ug/kg	8/26/2010	8/26/2010	1	1	100	0.035	0.035	No Toxicity Value
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	PCB	52663-73-7	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0080	0.0080	No Toxicity Value
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	PCB	40186-71-8	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0061	0.0061	No Toxicity Value
2,2',3,3',4,5,6'-Heptachlorobiphenyl	PCB	38411-25-5	ug/kg	8/17/2010	8/26/2010	2	2	100	0.0013	0.0096	No Toxicity Value
2,2',3,3',4',5,6-Heptachlorobiphenyl	PCB	52663-70-4	ug/kg	8/17/2010	8/26/2010	2	2	100	8.40E-04	0.0028	No Toxicity Value
2,2',3,3',4,6,6'-Heptachlorobiphenyl	PCB	52663-65-7	ug/kg	8/26/2010	8/26/2010	1	1	100	5.80E-04	5.80E-04	No Toxicity Value
2,2',3,3',4,6'-Hexachlorobiphenyl	PCB	38380-05-1	ug/kg	8/17/2010	8/17/2010	1	1	100	0.0013	0.0013	No Toxicity Value
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	PCB	2136-99-4	ug/kg	8/26/2010	8/26/2010	1	1	100	0.037	0.037	No Toxicity Value
2,2',3,3',5,5',6-Heptachlorobiphenyl	PCB	52663-67-9	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0040	0.0040	No Toxicity Value
2,2',3,3',5,6,6'-Heptachlorobiphenyl	PCB	52663-64-6	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0087	0.0087	No Toxicity Value
2,2',3,3',5,6'-Hexachlorobiphenyl	PCB	52744-13-5	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0016	0.0016	No Toxicity Value
2,2',3,4,4',5,5',6-Octachlorobiphenyl	PCB	52663-76-0	ug/kg	8/17/2010	8/26/2010	2	2	100	4.00E-04	0.094	No Toxicity Value
2,2',3,4',5,5',6-Heptachlorobiphenyl	PCB	52663-68-0	ug/kg	8/17/2010	8/26/2010	3	3	100	4.50E-04	0.060	No Toxicity Value
2,2',3,4,5,5'-Hexachlorobiphenyl	PCB	52712-04-6	ug/kg	8/17/2010	8/17/2010	1	1	100	6.50E-04	6.50E-04	No Toxicity Value
2,2',3,4',5,5'-Hexachlorobiphenyl	PCB	51908-16-8	ug/kg	8/17/2010	8/17/2010	1	1	100	6.40E-04	6.40E-04	No Toxicity Value
2,2',3,5,5',6-Hexachlorobiphenyl	PCB	52663-63-5	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0016	0.0016	No Toxicity Value
2,2',3,5',6-Pentachlorobiphenyl	PCB	38379-99-6	ug/kg	8/17/2010	8/26/2010	4	4	100	6.20E-04	0.0017	No Toxicity Value
2,2',4-Trichlorobiphenyl	PCB	37680-66-3	ug/kg	8/17/2010	8/17/2010	1	1	100	0.0011	0.0011	No Toxicity Value
2,2',5,5'-Tetrachlorobiphenyl	PCB	35693-99-3	ug/kg	8/17/2010	8/29/2010	8	8	100	6.90E-04	0.0045	No Toxicity Value
2,2'-Dichlorobiphenyl	PCB	13029-08-8	ug/kg	8/17/2010	8/17/2010	1	1	100	0.0013	0.0013	No Toxicity Value
2,3,3',4,4',5,6-Heptachlorobiphenyl	PCB	41411-64-7	ug/kg	8/26/2010	8/26/2010	1	1	100	0.0041	0.0041	No Toxicity Value
2,3,3',4,4',6-Hexachlorobiphenyl	PCB	74472-42-7	ug/kg	8/17/2010	8/17/2010	1	1	100	4.40E-04	4.40E-04	No Toxicity Value
2,3,3',4'-Tetrachlorobiphenyl	PCB	41464-43-1	ug/kg	8/17/2010	8/26/2010	2	2	100	6.30E-04	6.60E-04	No Toxicity Value
2,3',4,4'-Tetrachlorobiphenyl	PCB	32598-10-0	ug/kg	8/17/2010	8/26/2010	4	4	100	3.60E-04	9.70E-04	No Toxicity Value
2,3',4,5'-Tetrachlorobiphenyl	PCB	73575-52-7	ug/kg	8/18/2010	8/29/2010	5	5	100	4.90E-04	7.20E-04	No Toxicity Value
2,3,4',6-Tetrachlorobiphenyl	PCB	52663-58-8	ug/kg	8/17/2010	8/26/2010	4	4	100	5.00E-04	9.80E-04	No Toxicity Value
2,3,4'-Trichlorobiphenyl	PCB	38444-85-8	ug/kg	8/17/2010	8/29/2010	5	5	100	5.10E-04	0.0010	No Toxicity Value
2,3',4-Trichlorobiphenyl	PCB	55712-37-3	ug/kg	8/19/2010	8/19/2010	1	1	100	0.0013	0.0013	No Toxicity Value
2,4',5-Trichlorobiphenyl	PCB	16606-02-3	ug/kg	8/17/2010	8/29/2010	8	8	100	9.40E-04	0.0039	No Toxicity Value
2,4',6-Trichlorobiphenyl	PCB	38444-77-8	ug/kg	8/19/2010	8/19/2010	1	1	100	0.0021	0.0021	No Toxicity Value
2,4'-Dichlorobiphenyl	PCB	34883-43-7	ug/kg	8/17/2010	8/29/2010	7	7	100	0.0013	0.0021	No Toxicity Value
2-Ethyl-1-hexanol	VOC	104-76-7	ug/kg	8/25/2010	8/25/2010	1	1	100	6.4	6.4	No Toxicity Value
2-Hydroxyacetate	ANION	GLYCOLATE	ug/kg	2/19/2016	2/19/2016	1	1	100	520	520	No Toxicity Value
2-Monochlorobiphenyl	PCB	2051-60-7	ug/kg	8/18/2010	8/18/2010	1	1	100	3.20E-04	3.20E-04	No Toxicity Value
3,3'-Dichlorobiphenyl	PCB	2050-67-1	ug/kg	8/17/2010	8/29/2010	8	8	100	0.0036	0.0078	No Toxicity Value
3,4,4'-Trichlorobiphenyl	PCB	38444-90-5	ug/kg	8/17/2010	8/17/2010	1	1	100	4.00E-04	4.00E-04	No Toxicity Value
3-Heptanone	VOC	106-35-4	ug/kg	8/25/2010	8/25/2010	1	1	100	2.5	2.5	No Toxicity Value
Acetate	ANION	71-50-1	ug/kg	8/17/2010	2/22/2016	25	25	100	159	16,200	No Toxicity Value
Alkalinity	GEN CHEM	ALKALINITY	mEQ/g	3/26/2009	3/27/2009	8	8	100	0.0011	0.0032	No Toxicity Value
Alkalinity	GEN CHEM	ALKALINITY	ug/kg	4/29/2008	2/8/2010	43	43	100	23,600	290,000	No Toxicity Value
Ammonia	GEN CHEM	7664-41-7	ug/kg	10/19/2001	6/2/2016	11	11	100	438	18,400	No Toxicity Value

Table 11. 200-IA-1 Operable Unit Excluded Analytes for Kd Screening Evaluation

Analyte	Analyte Class	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Detect	Max Detect	Basis for Exclusion
Ammonium ion	CATION	14798-03-9	ug/kg	4/4/2003	2/22/2016	38	38	100	605	22,800	No Toxicity Value
Bismuth	METAL	7440-69-9	ug/kg	4/7/2003	3/15/2011	9	9	100	8,140	3.64E+07	No Toxicity Value
Bulk density - wet	GEN CHEM	BULKDENSITY-WET	ug/L	8/18/2010	2/22/2016	34	34	100	1.74E+09	2.41E+09	No Toxicity Value
Cerium	METAL	7440-45-1	ug/kg	8/17/2010	3/30/2011	34	34	100	12,800	32,100	No Toxicity Value
Chloride	ANION	16887-00-6	ug/kg	4/4/2003	6/2/2016	127	127	100	632	110,000	No Toxicity Value
Co-elution of PCB congeners BZ 110 and 115	PCB	PCB110/115	ug/kg	8/17/2010	8/29/2010	5	5	100	6.00E-04	0.0040	No Toxicity Value
Co-elution of PCB congeners BZ 128 and 166	PCB	PCB128/166	ug/kg	8/17/2010	8/26/2010	2	2	100	9.00E-04	0.0020	No Toxicity Value
Co-elution of PCB congeners BZ 129, 138, 160, and 163	PCB	PCB129/138/160+	ug/kg	8/17/2010	8/29/2010	6	6	100	9.00E-04	0.0060	No Toxicity Value
Co-elution of PCB congeners BZ 135 and 151	PCB	PCB135/151	ug/kg	8/17/2010	8/17/2010	1	1	100	0.0010	0.0010	No Toxicity Value
Co-elution of PCB congeners BZ 147 and 149	PCB	PCB147/149	ug/kg	8/17/2010	8/29/2010	6	6	100	8.00E-04	0.0040	No Toxicity Value
Co-elution of PCB congeners BZ 153 and 168	PCB	PCB153/168	ug/kg	8/17/2010	8/29/2010	8	8	100	6.00E-04	0.0040	No Toxicity Value
Co-elution of PCB congeners BZ 156 and 157	PCB	PCB156/157	ug/kg	8/17/2010	8/17/2010	1	1	100	4.00E-04	4.00E-04	No Toxicity Value
Co-elution of PCB congeners BZ 18 and 30	PCB	PCB18/30	ug/kg	8/17/2010	8/29/2010	6	6	100	0.0010	0.0040	No Toxicity Value
Co-elution of PCB congeners BZ 180 and 193	PCB	PCB180/193	ug/kg	8/17/2010	8/27/2010	5	5	100	7.00E-04	0.040	No Toxicity Value
Co-elution of PCB congeners BZ 183 and 185	PCB	PCB183/185	ug/kg	8/17/2010	8/26/2010	2	2	100	5.00E-04	0.010	No Toxicity Value
Co-elution of PCB congeners BZ 198 and 201	PCB	PCB198/201	ug/kg	8/26/2010	8/26/2010	1	1	100	0.10	0.10	No Toxicity Value
Co-elution of PCB congeners BZ 20 and 28	PCB	PCB20/28	ug/kg	8/17/2010	8/29/2010	8	8	100	0.0010	0.0040	No Toxicity Value
Co-elution of PCB congeners BZ 21 and 33	PCB	PCB21/33	ug/kg	8/17/2010	8/29/2010	8	8	100	7.00E-04	0.0020	No Toxicity Value
Co-elution of PCB congeners BZ 26 and 29	PCB	PCB26/29	ug/kg	8/19/2010	8/26/2010	2	2	100	8.00E-04	0.0010	No Toxicity Value
Co-elution of PCB congeners BZ 44, 47, and 65	PCB	PCB44/47/65	ug/kg	8/17/2010	8/29/2010	8	8	100	0.0040	0.010	No Toxicity Value
Co-elution of PCB congeners BZ 45 and 51	PCB	PCB45/51	ug/kg	8/17/2010	8/29/2010	6	6	100	7.00E-04	0.0020	No Toxicity Value
Co-elution of PCB congeners BZ 49 and 69	PCB	PCB49/69	ug/kg	8/17/2010	8/29/2010	5	5	100	7.00E-04	0.0020	No Toxicity Value
Co-elution of PCB congeners BZ 61, 70, 74, and 76	PCB	PCB61/70/74/76	ug/kg	8/17/2010	8/29/2010	6	6	100	0.0010	0.0020	No Toxicity Value
Co-elution of PCB congeners BZ 83 and 99	PCB	PCB83/99	ug/kg	8/17/2010	8/17/2010	1	1	100	0.0010	0.0010	No Toxicity Value
Co-elution of PCB congeners BZ 86, 87, 97, 109, 119, and 125	PCB	PCB86/87/97+	ug/kg	8/17/2010	8/17/2010	1	1	100	0.0010	0.0010	No Toxicity Value
Co-elution of PCB congeners BZ 90, 101, and 113	PCB	PCB90/101/113	ug/kg	8/17/2010	8/29/2010	5	5	100	9.00E-04	0.0020	No Toxicity Value
Cyclohexane, 2-Butyl-1,1,3-trimethyl-	VOC	54676-39-0	ug/kg	4/4/2003	4/4/2003	2	2	100	1,100	1,200	No Toxicity Value
Cyclononasiloxane, octadecamethyl-	VOC	556-71-8	ug/kg	4/9/2003	4/9/2003	1	1	100	2,100	2,100	No Toxicity Value
Cyclotetrasiloxane, Octamethyl	VOC	556-67-2	ug/kg	4/4/2003	4/17/2003	4	4	100	12	740	No Toxicity Value
Decahydro-2,6-dimethyl-naphthalene	VOC	1618-22-0	ug/kg	4/4/2003	4/4/2003	2	2	100	1,000	1,100	No Toxicity Value
Decamethylcyclopentasiloxane	VOC	541-02-6	ug/kg	4/16/2003	4/17/2003	2	2	100	510	610	No Toxicity Value
Diisobutyl Phthalate	VOC	84-69-5	ug/kg	8/17/2010	9/1/2010	15	15	100	180	980	No Toxicity Value
Di-n-butylphthalate	SVOC	84-74-2	ug/kg	10/28/2002	10/6/2015	8	8	100	19	570	No Toxicity Value
Dodecamethylcyclohexasiloxane	VOC	540-97-6	ug/kg	4/17/2003	4/17/2003	1	1	100	190	190	No Toxicity Value
Europium	METAL	7440-53-1	ug/kg	3/11/2011	2/22/2016	6	6	100	289	630	No Toxicity Value
Formate	ANION	FORMATE	ug/kg	8/17/2010	2/22/2016	36	36	100	110	1,850	No Toxicity Value
Gross alpha	RAD	12587-46-1	pCi/g	6/26/2012	6/26/2012	1	1	100	1.8	1.8	No Toxicity Value
Gross beta	RAD	12587-47-2	pCi/g	4/29/2008	6/26/2012	8	8	100	5.7	994	No Toxicity Value
Heptadecane	VOC	629-78-7	ug/kg	2/9/2010	2/9/2010	1	1	100	1,200	1,200	No Toxicity Value
Hexyl methyl ketone	VOC	111-13-7	ug/kg	8/25/2010	8/25/2010	1	1	100	4.6	4.6	No Toxicity Value
Isopropenyl methyl ketone	SVOC	814-78-8	ug/kg	8/17/2010	8/17/2010	1	1	100	250	250	No Toxicity Value
Lanthanum	METAL	7439-91-0	ug/kg	8/17/2010	2/22/2016	38	38	100	6,390	15,200	No Toxicity Value
n-Butyl benzenesulfonamide	SVOC	3622-84-2	ug/kg	4/4/2003	4/16/2003	8	8	100	960	4,400	No Toxicity Value

Table 11. 200-IA-1 Operable Unit Excluded Analytes for Kd Screening Evaluation

Analyte	Analyte Class	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Min Detect	Max Detect	Basis for Exclusion
Neodymium	METAL	7440-00-8	ug/kg	2/25/2011	2/22/2016	11	11	100	10,000	15,300	No Toxicity Value
Niobium	METAL	7440-03-1	ug/kg	2/19/2016	2/22/2016	4	4	100	1,500	1,980	No Toxicity Value
n-Tetracosane	SVOC	646-31-1	ug/kg	9/1/2010	9/1/2010	1	1	100	290	290	No Toxicity Value
Oxalate	ANION	338-70-5	ug/kg	8/17/2010	2/22/2016	19	19	100	275	3,140	No Toxicity Value
Pentadecane, 8-heptyl-	SVOC	71005-15-7	ug/kg	2/9/2010	2/9/2010	1	1	100	1,700	1,700	No Toxicity Value
Pentane	VOC	109-66-0	ug/kg	2/22/2010	2/22/2010	1	1	100	4.9	4.9	No Toxicity Value
Percent moisture (dry sample)	GEN CHEM	%MOISTURE-D	%	9/5/2003	9/10/2003	3	3	100	3.3	14	No Toxicity Value
Percent moisture (wet sample)	GEN CHEM	%MOISTURE	%	4/7/2003	6/2/2016	134	134	100	1.7	17	No Toxicity Value
Percent passing 1 inch sieve	GEN CHEM	PAS1IN	%	4/7/2003	4/17/2003	4	4	100	100	100	No Toxicity Value
Percent passing 1.5 inch sieve	GEN CHEM	PAS1.5IN	%	4/7/2003	4/17/2003	4	4	100	100	100	No Toxicity Value
Percent passing 2 inch sieve	GEN CHEM	PAS2IN	%	4/7/2003	4/17/2003	4	4	100	100	100	No Toxicity Value
Percent passing 3 inch sieve	GEN CHEM	PAS3IN	%	4/7/2003	4/17/2003	4	4	100	100	100	No Toxicity Value
Percent passing 3/4 inch sieve	GEN CHEM	PAS3/4IN	%	4/7/2003	4/17/2003	4	4	100	100	100	No Toxicity Value
Percent passing 3/8 inch sieve	GEN CHEM	PAS3/8IN	%	4/7/2003	4/17/2003	4	4	100	100	100	No Toxicity Value
Percent passing No. 10 sieve	GEN CHEM	PAS#10	%	4/7/2003	4/17/2003	4	4	100	90	98	No Toxicity Value
Percent passing No. 100 sieve	GEN CHEM	PAS#100	%	4/7/2003	4/17/2003	4	4	100	6.2	26	No Toxicity Value
Percent passing No. 140 sieve	GEN CHEM	PAS#140	%	4/7/2003	4/17/2003	4	4	100	3.2	20	No Toxicity Value
Percent passing No. 20 sieve	GEN CHEM	PAS#20	%	4/7/2003	4/17/2003	4	4	100	50	82	No Toxicity Value
Percent passing No. 200 sieve	GEN CHEM	PAS#200	%	4/7/2003	4/17/2003	4	4	100	2.7	15	No Toxicity Value
Percent passing No. 4 sieve	GEN CHEM	PAS#4	%	4/7/2003	4/17/2003	4	4	100	99	100	No Toxicity Value
Percent passing No. 40 sieve	GEN CHEM	PAS#40	%	4/7/2003	4/17/2003	4	4	100	17	45	No Toxicity Value
Percent passing No. 60 sieve	GEN CHEM	PAS#60	%	4/7/2003	4/17/2003	4	4	100	9.6	33	No Toxicity Value
Percent Solids	GEN CHEM	%SOLIDS	%	9/5/2003	6/2/2016	26	26	100	84	98	No Toxicity Value
pH Measurement	GEN CHEM	PH	unitless	8/7/2000	2/22/2016	118	118	100	6.8	10	No Toxicity Value
Phosphate	ANION	14265-44-2	ug/kg	4/4/2003	6/2/2016	53	53	100	277	110,000	No Toxicity Value
Phosphorus	METAL	7723-14-0	ug/kg	3/26/2009	2/22/2016	48	48	100	342,000	1.35E+06	No Toxicity Value
Praseodymium	METAL	7440-10-0	ug/kg	1/4/2011	3/30/2011	16	16	100	1,060	3,210	No Toxicity Value
Propionic Acid	SVOC	79-09-4	ug/kg	4/17/2003	4/17/2003	1	1	100	130	130	No Toxicity Value
Ruthenium	METAL	7440-18-8	ug/kg	8/23/2010	8/23/2010	1	1	100	18,200	18,200	No Toxicity Value
Samarium	METAL	7440-19-9	ug/kg	2/19/2016	2/22/2016	4	4	100	4,330	5,190	No Toxicity Value
Silicon	METAL	7440-21-3	ug/kg	8/17/2010	2/22/2016	38	38	100	16,600	144,000	No Toxicity Value
Specific Conductance	GEN CHEM	CONDUCT	uS/cm	4/29/2008	2/22/2016	78	78	100	89	11,200	No Toxicity Value
Sulfate	ANION	14808-79-8	ug/kg	4/4/2003	6/2/2016	137	137	100	2,660	2.00E+06	No Toxicity Value
Sulfide	ANION	18496-25-8	ug/kg	8/17/2010	9/1/2010	15	15	100	7,080	28,900	No Toxicity Value
Sulfur	METAL	7704-34-9	ug/kg	3/26/2009	2/22/2016	44	44	100	40,000	219,000	No Toxicity Value
Tantalum	METAL	7440-25-7	ug/kg	2/19/2016	2/22/2016	4	4	100	2,070	3,930	No Toxicity Value
Tellurium	METAL	13494-80-9	ug/kg	2/19/2016	2/19/2016	2	2	100	2,070	2,170	No Toxicity Value
Tetrahydrofuran	VOC	109-99-9	ug/kg	8/23/2010	8/23/2010	1	1	100	27	27	No Toxicity Value
Thorium	METAL	7440-29-1	ug/kg	4/4/2003	2/22/2016	16	16	100	1,950	24,300	No Toxicity Value
Titanium	METAL	7440-32-6	ug/kg	3/26/2009	2/22/2016	46	46	100	463,000	2.44E+06	No Toxicity Value
Total carbon	GEN CHEM	TC	ug/kg	4/29/2008	2/8/2010	46	46	100	392,000	6.70E+06	No Toxicity Value
Total Inorganic Carbon	GEN CHEM	TINC	ug/kg	4/29/2008	2/8/2010	42	42	100	539,000	3.53E+06	No Toxicity Value
Total organic carbon	GEN CHEM	TOC	ug/kg	4/29/2008	2/8/2010	13	13	100	213,000	3.16E+06	No Toxicity Value
Yttrium	METAL	7440-65-5	ug/kg	8/17/2010	2/22/2016	38	38	100	4,910	15,900	No Toxicity Value

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7680	B26C26	5	7	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/27/2010	5.00E-04	--	--
200-E-115	C7680	B26C26	5	7	non-Rad	Aluminum	7429-90-5	ug/kg	8/27/2010	7.73E+06	1.18E+07	No
200-E-115	C7680	B26C26	5	7	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/27/2010	210	--	--
200-E-115	C7680	B26C26	5	7	non-Rad	Antimony	7440-36-0	ug/kg	8/27/2010	202	130	Yes
200-E-115	C7680	B26C26	5	7	non-Rad	Arsenic	7440-38-2	ug/kg	8/27/2010	3,670	20,000	No
200-E-115	C7680	B26C26	5	7	non-Rad	Barium	7440-39-3	ug/kg	8/27/2010	80,600	132,000	No
200-E-115	C7680	B26C26	5	7	non-Rad	Beryllium	7440-41-7	ug/kg	8/27/2010	199	1,510	No
200-E-115	C7680	B26C26	5	7	non-Rad	Cadmium	7440-43-9	ug/kg	8/27/2010	88	563	No
200-E-115	C7680	B26C26	5	7	non-Rad	Chromium	7440-47-3	ug/kg	8/27/2010	10,100	18,500	No
200-E-115	C7680	B26C26	5	7	non-Rad	Cobalt	7440-48-4	ug/kg	8/27/2010	7,990	15,700	No
200-E-115	C7680	B26C26	5	7	non-Rad	Copper	7440-50-8	ug/kg	8/27/2010	9,970	22,000	No
200-E-115	C7680	B26C26	5	7	non-Rad	Fluoride	16984-48-8	ug/kg	8/27/2010	1,070	2,810	No
200-E-115	C7680	B26C26	5	7	non-Rad	Iron	7439-89-6	ug/kg	8/27/2010	2.22E+07	3.26E+07	No
200-E-115	C7680	B26C26	5	7	non-Rad	Lead	7439-92-1	ug/kg	8/27/2010	5,150	10,200	No
200-E-115	C7680	B26C26	5	7	non-Rad	Lithium	7439-93-2	ug/kg	8/27/2010	7,230	13,300	No
200-E-115	C7680	B26C26	5	7	non-Rad	Manganese	7439-96-5	ug/kg	8/27/2010	346,000	512,000	No
200-E-115	C7680	B26C26	5	7	non-Rad	Nickel	7440-02-0	ug/kg	8/27/2010	8,650	19,100	No
200-E-115	C7680	B26C26	5	7	non-Rad	Nitrate	14797-55-8	ug/kg	8/27/2010	11,200	52,000	No
200-E-115	C7680	B26C26	5	7	non-Rad	Nitrite	14797-65-0	ug/kg	8/27/2010	736	--	--
200-E-115	C7680	B26C26	5	7	non-Rad	Selenium	7782-49-2	ug/kg	8/27/2010	523	780	No
200-E-115	C7680	B26C26	5	7	Rad	Selenium-79	15758-45-9	pCi/g	8/27/2010	2.2	--	--
200-E-115	C7680	B26C26	5	7	non-Rad	Silver	7440-22-4	ug/kg	8/27/2010	62	167	No
200-E-115	C7680	B26C26	5	7	non-Rad	Strontium	7440-24-6	ug/kg	8/27/2010	23,700	--	--
200-E-115	C7680	B26C26	5	7	non-Rad	Thallium	7440-28-0	ug/kg	8/27/2010	83	185	No
200-E-115	C7680	B26C26	5	7	non-Rad	Vanadium	7440-62-2	ug/kg	8/27/2010	52,300	85,100	No
200-E-115	C7680	B26C26	5	7	non-Rad	Zinc	7440-66-6	ug/kg	8/27/2010	42,400	67,800	No
200-E-115	C7680	B26C26	5	7	non-Rad	Zirconium	7440-67-7	ug/kg	8/27/2010	14,300	--	--
200-E-115	C7680	B26C27	5	7	non-Rad	Styrene	100-42-5	ug/kg	8/27/2010	0.33	--	--
200-E-115	C7680	B26C27	5	7	non-Rad	Toluene	108-88-3	ug/kg	8/27/2010	0.39	--	--
200-E-115	C7680	B26C28	10	12	non-Rad	Aluminum	7429-90-5	ug/kg	8/29/2010	4.59E+06	1.18E+07	No
200-E-115	C7680	B26C28	10	12	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/29/2010	230	--	--
200-E-115	C7680	B26C28	10	12	non-Rad	Antimony	7440-36-0	ug/kg	8/29/2010	78	130	No
200-E-115	C7680	B26C28	10	12	non-Rad	Arsenic	7440-38-2	ug/kg	8/29/2010	3,030	20,000	No
200-E-115	C7680	B26C28	10	12	non-Rad	Barium	7440-39-3	ug/kg	8/29/2010	75,900	132,000	No
200-E-115	C7680	B26C28	10	12	non-Rad	Cadmium	7440-43-9	ug/kg	8/29/2010	70	563	No
200-E-115	C7680	B26C28	10	12	non-Rad	Chromium	7440-47-3	ug/kg	8/29/2010	5,340	18,500	No
200-E-115	C7680	B26C28	10	12	non-Rad	Cobalt	7440-48-4	ug/kg	8/29/2010	11,300	15,700	No
200-E-115	C7680	B26C28	10	12	non-Rad	Copper	7440-50-8	ug/kg	8/29/2010	13,500	22,000	No

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7680	B26C28	10	12	non-Rad	Fluoride	16984-48-8	ug/kg	8/29/2010	372	2,810	No
200-E-115	C7680	B26C28	10	12	non-Rad	Iron	7439-89-6	ug/kg	8/29/2010	3.12E+07	3.26E+07	No
200-E-115	C7680	B26C28	10	12	non-Rad	Lead	7439-92-1	ug/kg	8/29/2010	2,460	10,200	No
200-E-115	C7680	B26C28	10	12	non-Rad	Lithium	7439-93-2	ug/kg	8/29/2010	3,560	13,300	No
200-E-115	C7680	B26C28	10	12	non-Rad	Manganese	7439-96-5	ug/kg	8/29/2010	387,000	512,000	No
200-E-115	C7680	B26C28	10	12	non-Rad	Nickel	7440-02-0	ug/kg	8/29/2010	6,610	19,100	No
200-E-115	C7680	B26C28	10	12	non-Rad	Nitrate	14797-55-8	ug/kg	8/29/2010	2,750	52,000	No
200-E-115	C7680	B26C28	10	12	non-Rad	Nitrite	14797-65-0	ug/kg	8/29/2010	613	--	--
200-E-115	C7680	B26C28	10	12	non-Rad	Selenium	7782-49-2	ug/kg	8/29/2010	965	780	Yes
200-E-115	C7680	B26C28	10	12	Rad	Selenium-79	15758-45-9	pCi/g	8/29/2010	2.6	--	--
200-E-115	C7680	B26C28	10	12	non-Rad	Silver	7440-22-4	ug/kg	8/29/2010	59	167	No
200-E-115	C7680	B26C28	10	12	non-Rad	Strontium	7440-24-6	ug/kg	8/29/2010	20,200	--	--
200-E-115	C7680	B26C28	10	12	non-Rad	Thallium	7440-28-0	ug/kg	8/29/2010	55	185	No
200-E-115	C7680	B26C28	10	12	non-Rad	Vanadium	7440-62-2	ug/kg	8/29/2010	82,600	85,100	No
200-E-115	C7680	B26C28	10	12	non-Rad	Zinc	7440-66-6	ug/kg	8/29/2010	53,000	67,800	No
200-E-115	C7680	B26C28	10	12	non-Rad	Zirconium	7440-67-7	ug/kg	8/29/2010	19,300	--	--
200-E-115	C7680	B26C30	14	16	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/29/2010	5.10E-04	--	--
200-E-115	C7680	B26C30	14	16	non-Rad	Aluminum	7429-90-5	ug/kg	8/29/2010	6.93E+06	1.18E+07	No
200-E-115	C7680	B26C30	14	16	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/29/2010	260	--	--
200-E-115	C7680	B26C30	14	16	non-Rad	Antimony	7440-36-0	ug/kg	8/29/2010	111	130	No
200-E-115	C7680	B26C30	14	16	non-Rad	Arsenic	7440-38-2	ug/kg	8/29/2010	2,950	20,000	No
200-E-115	C7680	B26C30	14	16	non-Rad	Barium	7440-39-3	ug/kg	8/29/2010	89,700	132,000	No
200-E-115	C7680	B26C30	14	16	non-Rad	Beryllium	7440-41-7	ug/kg	8/29/2010	136	1,510	No
200-E-115	C7680	B26C30	14	16	non-Rad	Cadmium	7440-43-9	ug/kg	8/29/2010	66	563	No
200-E-115	C7680	B26C30	14	16	non-Rad	Chromium	7440-47-3	ug/kg	8/29/2010	26,800	18,500	Yes
200-E-115	C7680	B26C30	14	16	non-Rad	Cobalt	7440-48-4	ug/kg	8/29/2010	10,300	15,700	No
200-E-115	C7680	B26C30	14	16	non-Rad	Copper	7440-50-8	ug/kg	8/29/2010	11,200	22,000	No
200-E-115	C7680	B26C30	14	16	non-Rad	Fluoride	16984-48-8	ug/kg	8/29/2010	1,500	2,810	No
200-E-115	C7680	B26C30	14	16	non-Rad	Iron	7439-89-6	ug/kg	8/29/2010	2.68E+07	3.26E+07	No
200-E-115	C7680	B26C30	14	16	non-Rad	Lead	7439-92-1	ug/kg	8/29/2010	3,370	10,200	No
200-E-115	C7680	B26C30	14	16	non-Rad	Lithium	7439-93-2	ug/kg	8/29/2010	6,800	13,300	No
200-E-115	C7680	B26C30	14	16	non-Rad	Manganese	7439-96-5	ug/kg	8/29/2010	424,000	512,000	No
200-E-115	C7680	B26C30	14	16	non-Rad	Nickel	7440-02-0	ug/kg	8/29/2010	18,300	19,100	No
200-E-115	C7680	B26C30	14	16	non-Rad	Nitrate	14797-55-8	ug/kg	8/29/2010	7,740	52,000	No
200-E-115	C7680	B26C30	14	16	non-Rad	Nitrite	14797-65-0	ug/kg	8/29/2010	1,120	--	--
200-E-115	C7680	B26C30	14	16	non-Rad	Selenium	7782-49-2	ug/kg	8/29/2010	602	780	No
200-E-115	C7680	B26C30	14	16	non-Rad	Silver	7440-22-4	ug/kg	8/29/2010	62	167	No
200-E-115	C7680	B26C30	14	16	non-Rad	Strontium	7440-24-6	ug/kg	8/29/2010	35,100	--	--

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7680	B26C30	14	16	non-Rad	Thallium	7440-28-0	ug/kg	8/29/2010	77	185	No
200-E-115	C7680	B26C30	14	16	non-Rad	Vanadium	7440-62-2	ug/kg	8/29/2010	75,100	85,100	No
200-E-115	C7680	B26C30	14	16	non-Rad	Zinc	7440-66-6	ug/kg	8/29/2010	42,800	67,800	No
200-E-115	C7680	B26C30	14	16	non-Rad	Zirconium	7440-67-7	ug/kg	8/29/2010	18,700	--	--
200-E-115	C7680	B26C31	14	16	non-Rad	Styrene	100-42-5	ug/kg	8/29/2010	0.27	--	--
200-E-115	C7680	B26C31	14	16	non-Rad	Toluene	108-88-3	ug/kg	8/29/2010	0.60	--	--
200-E-115	C7680	B26JK8	0	1	non-Rad	Aluminum	7429-90-5	ug/kg	8/26/2010	7.31E+06	1.18E+07	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Antimony	7440-36-0	ug/kg	8/26/2010	214	130	Yes
200-E-115	C7680	B26JK8	0	1	non-Rad	Arsenic	7440-38-2	ug/kg	8/26/2010	4,920	20,000	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Barium	7440-39-3	ug/kg	8/26/2010	77,700	132,000	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Beryllium	7440-41-7	ug/kg	8/26/2010	190	1,510	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Cadmium	7440-43-9	ug/kg	8/26/2010	85	563	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Chromium	7440-47-3	ug/kg	8/26/2010	9,090	18,500	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Cobalt	7440-48-4	ug/kg	8/26/2010	8,140	15,700	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Copper	7440-50-8	ug/kg	8/26/2010	11,300	22,000	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Fluoride	16984-48-8	ug/kg	8/26/2010	846	2,810	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Iron	7439-89-6	ug/kg	8/26/2010	2.23E+07	3.26E+07	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Lead	7439-92-1	ug/kg	8/26/2010	5,330	10,200	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Lithium	7439-93-2	ug/kg	8/26/2010	7,810	13,300	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Manganese	7439-96-5	ug/kg	8/26/2010	332,000	512,000	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Nickel	7440-02-0	ug/kg	8/26/2010	11,100	19,100	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Nitrite	14797-65-0	ug/kg	8/26/2010	232	--	--
200-E-115	C7680	B26JK8	0	1	non-Rad	Selenium	7782-49-2	ug/kg	8/26/2010	615	780	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Silver	7440-22-4	ug/kg	8/26/2010	67	167	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Strontium	7440-24-6	ug/kg	8/26/2010	32,600	--	--
200-E-115	C7680	B26JK8	0	1	non-Rad	Thallium	7440-28-0	ug/kg	8/26/2010	80	185	No
200-E-115	C7680	B26JK8	0	1	Rad	Tritium	10028-17-8	pCi/g	8/26/2010	45	--	--
200-E-115	C7680	B26JK8	0	1	non-Rad	Tungsten	7440-33-7	ug/kg	8/26/2010	39,500	--	--
200-E-115	C7680	B26JK8	0	1	non-Rad	Vanadium	7440-62-2	ug/kg	8/26/2010	53,400	85,100	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Zinc	7440-66-6	ug/kg	8/26/2010	43,000	67,800	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Zirconium	7440-67-7	ug/kg	8/26/2010	12,800	--	--
200-E-115	C7680	B26JK9	0	1	non-Rad	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/26/2010	7.40E-04	--	--
200-E-115	C7680	B26JK9	0	1	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/26/2010	0.0010	--	--
200-E-115	C7680	B26JK9	0	1	non-Rad	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/26/2010	0.0015	--	--
200-E-115	C7680	B26JK9	0	1	non-Rad	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/26/2010	4.30E-04	--	--
200-E-115	C7680	B26JK9	0	1	non-Rad	Nitrate	14797-55-8	ug/kg	8/26/2010	11,500	52,000	No
200-E-115	C7680	B26JL8	0	1	non-Rad	Styrene	100-42-5	ug/kg	8/26/2010	0.31	--	--
200-E-115	C7680	B26JL8	0	1	non-Rad	Toluene	108-88-3	ug/kg	8/26/2010	0.27	--	--

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7682	B26C47	5	7	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/18/2010	6.00E-04	--	--
200-E-115	C7682	B26C47	5	7	non-Rad	Aluminum	7429-90-5	ug/kg	8/18/2010	5.64E+06	1.18E+07	No
200-E-115	C7682	B26C47	5	7	non-Rad	Antimony	7440-36-0	ug/kg	8/18/2010	420	130	Yes
200-E-115	C7682	B26C47	5	7	non-Rad	Arsenic	7440-38-2	ug/kg	8/18/2010	5,000	20,000	No
200-E-115	C7682	B26C47	5	7	non-Rad	Barium	7440-39-3	ug/kg	8/18/2010	71,000	132,000	No
200-E-115	C7682	B26C47	5	7	non-Rad	Beryllium	7440-41-7	ug/kg	8/18/2010	204	1,510	No
200-E-115	C7682	B26C47	5	7	non-Rad	Cadmium	7440-43-9	ug/kg	8/18/2010	196	563	No
200-E-115	C7682	B26C47	5	7	Rad	Carbon-14	14762-75-5	pCi/g	8/18/2010	3.5	--	--
200-E-115	C7682	B26C47	5	7	non-Rad	Chromium	7440-47-3	ug/kg	8/18/2010	7,710	18,500	No
200-E-115	C7682	B26C47	5	7	non-Rad	Cobalt	7440-48-4	ug/kg	8/18/2010	6,680	15,700	No
200-E-115	C7682	B26C47	5	7	non-Rad	Copper	7440-50-8	ug/kg	8/18/2010	11,900	22,000	No
200-E-115	C7682	B26C47	5	7	non-Rad	Fluoride	16984-48-8	ug/kg	8/18/2010	1,600	2,810	No
200-E-115	C7682	B26C47	5	7	non-Rad	Iron	7439-89-6	ug/kg	8/18/2010	1.43E+07	3.26E+07	No
200-E-115	C7682	B26C47	5	7	non-Rad	Lead	7439-92-1	ug/kg	8/18/2010	11,300	10,200	Yes
200-E-115	C7682	B26C47	5	7	non-Rad	Lithium	7439-93-2	ug/kg	8/18/2010	6,570	13,300	No
200-E-115	C7682	B26C47	5	7	non-Rad	Manganese	7439-96-5	ug/kg	8/18/2010	270,000	512,000	No
200-E-115	C7682	B26C47	5	7	non-Rad	Nickel	7440-02-0	ug/kg	8/18/2010	8,930	19,100	No
200-E-115	C7682	B26C47	5	7	non-Rad	Nitrate	14797-55-8	ug/kg	8/18/2010	23,800	52,000	No
200-E-115	C7682	B26C47	5	7	non-Rad	Selenium	7782-49-2	ug/kg	8/18/2010	1,000	780	Yes
200-E-115	C7682	B26C47	5	7	non-Rad	Strontium	7440-24-6	ug/kg	8/18/2010	21,500	--	--
200-E-115	C7682	B26C47	5	7	non-Rad	Thallium	7440-28-0	ug/kg	8/18/2010	180	185	No
200-E-115	C7682	B26C47	5	7	non-Rad	Vanadium	7440-62-2	ug/kg	8/18/2010	24,500	85,100	No
200-E-115	C7682	B26C47	5	7	non-Rad	Zinc	7440-66-6	ug/kg	8/18/2010	29,500	67,800	No
200-E-115	C7682	B26C47	5	7	non-Rad	Zirconium	7440-67-7	ug/kg	8/18/2010	8,820	--	--
200-E-115	C7682	B26C48	5	7	non-Rad	Styrene	100-42-5	ug/kg	8/18/2010	0.33	--	--
200-E-115	C7682	B26C48	5	7	non-Rad	Toluene	108-88-3	ug/kg	8/18/2010	0.31	--	--
200-E-115	C7682	B26C50	10	12	non-Rad	Styrene	100-42-5	ug/kg	8/18/2010	0.36	--	--
200-E-115	C7682	B26C50	10	12	non-Rad	Toluene	108-88-3	ug/kg	8/18/2010	0.35	--	--
200-E-115	C7682	B26C51	12	14	non-Rad	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/18/2010	4.80E-04	--	--
200-E-115	C7682	B26C51	12	14	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/18/2010	9.00E-04	--	--
200-E-115	C7682	B26C51	12	14	non-Rad	Aluminum	7429-90-5	ug/kg	8/18/2010	6.03E+06	1.18E+07	No
200-E-115	C7682	B26C51	12	14	non-Rad	Antimony	7440-36-0	ug/kg	8/18/2010	110	130	No
200-E-115	C7682	B26C51	12	14	non-Rad	Arsenic	7440-38-2	ug/kg	8/18/2010	3,000	20,000	No
200-E-115	C7682	B26C51	12	14	non-Rad	Barium	7440-39-3	ug/kg	8/18/2010	89,600	132,000	No
200-E-115	C7682	B26C51	12	14	non-Rad	Beryllium	7440-41-7	ug/kg	8/18/2010	159	1,510	No
200-E-115	C7682	B26C51	12	14	non-Rad	Cadmium	7440-43-9	ug/kg	8/18/2010	136	563	No
200-E-115	C7682	B26C51	12	14	non-Rad	Chromium	7440-47-3	ug/kg	8/18/2010	10,100	18,500	No
200-E-115	C7682	B26C51	12	14	non-Rad	Cobalt	7440-48-4	ug/kg	8/18/2010	9,840	15,700	No

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7682	B26C51	12	14	non-Rad	Copper	7440-50-8	ug/kg	8/18/2010	11,300	22,000	No
200-E-115	C7682	B26C51	12	14	non-Rad	Fluoride	16984-48-8	ug/kg	8/18/2010	1,450	2,810	No
200-E-115	C7682	B26C51	12	14	non-Rad	Iron	7439-89-6	ug/kg	8/18/2010	2.28E+07	3.26E+07	No
200-E-115	C7682	B26C51	12	14	non-Rad	Lead	7439-92-1	ug/kg	8/18/2010	6,860	10,200	No
200-E-115	C7682	B26C51	12	14	non-Rad	Lithium	7439-93-2	ug/kg	8/18/2010	5,990	13,300	No
200-E-115	C7682	B26C51	12	14	non-Rad	Manganese	7439-96-5	ug/kg	8/18/2010	383,000	512,000	No
200-E-115	C7682	B26C51	12	14	non-Rad	Molybdenum	7439-98-7	ug/kg	8/18/2010	1,980	470	Yes
200-E-115	C7682	B26C51	12	14	non-Rad	Nickel	7440-02-0	ug/kg	8/18/2010	10,400	19,100	No
200-E-115	C7682	B26C51	12	14	non-Rad	Nitrate	14797-55-8	ug/kg	8/18/2010	12,200	52,000	No
200-E-115	C7682	B26C51	12	14	non-Rad	Nitrite	14797-65-0	ug/kg	8/18/2010	1,850	--	--
200-E-115	C7682	B26C51	12	14	non-Rad	Selenium	7782-49-2	ug/kg	8/18/2010	1,000	780	Yes
200-E-115	C7682	B26C51	12	14	non-Rad	Strontium	7440-24-6	ug/kg	8/18/2010	31,100	--	--
200-E-115	C7682	B26C51	12	14	non-Rad	Thallium	7440-28-0	ug/kg	8/18/2010	194	185	Yes
200-E-115	C7682	B26C51	12	14	Rad	Tritium	10028-17-8	pCi/g	8/18/2010	1.7	--	--
200-E-115	C7682	B26C51	12	14	non-Rad	Vanadium	7440-62-2	ug/kg	8/18/2010	52,300	85,100	No
200-E-115	C7682	B26C51	12	14	non-Rad	Zinc	7440-66-6	ug/kg	8/18/2010	36,100	67,800	No
200-E-115	C7682	B26C51	12	14	non-Rad	Zirconium	7440-67-7	ug/kg	8/18/2010	5,790	--	--
200-E-115	C7682	B26C53	14	16	non-Rad	Aluminum	7429-90-5	ug/kg	8/19/2010	6.38E+06	1.18E+07	No
200-E-115	C7682	B26C53	14	16	non-Rad	Antimony	7440-36-0	ug/kg	8/19/2010	90	130	No
200-E-115	C7682	B26C53	14	16	non-Rad	Arsenic	7440-38-2	ug/kg	8/19/2010	2,000	20,000	No
200-E-115	C7682	B26C53	14	16	non-Rad	Barium	7440-39-3	ug/kg	8/19/2010	103,000	132,000	No
200-E-115	C7682	B26C53	14	16	non-Rad	Beryllium	7440-41-7	ug/kg	8/19/2010	190	1,510	No
200-E-115	C7682	B26C53	14	16	non-Rad	Butylbenzylphthalate	85-68-7	ug/kg	8/19/2010	200	--	--
200-E-115	C7682	B26C53	14	16	non-Rad	Cadmium	7440-43-9	ug/kg	8/19/2010	127	563	No
200-E-115	C7682	B26C53	14	16	non-Rad	Chromium	7440-47-3	ug/kg	8/19/2010	14,900	18,500	No
200-E-115	C7682	B26C53	14	16	non-Rad	Cobalt	7440-48-4	ug/kg	8/19/2010	10,600	15,700	No
200-E-115	C7682	B26C53	14	16	non-Rad	Copper	7440-50-8	ug/kg	8/19/2010	11,300	22,000	No
200-E-115	C7682	B26C53	14	16	non-Rad	Fluoride	16984-48-8	ug/kg	8/19/2010	1,490	2,810	No
200-E-115	C7682	B26C53	14	16	non-Rad	Iron	7439-89-6	ug/kg	8/19/2010	2.40E+07	3.26E+07	No
200-E-115	C7682	B26C53	14	16	non-Rad	Lead	7439-92-1	ug/kg	8/19/2010	6,640	10,200	No
200-E-115	C7682	B26C53	14	16	non-Rad	Lithium	7439-93-2	ug/kg	8/19/2010	7,040	13,300	No
200-E-115	C7682	B26C53	14	16	non-Rad	Manganese	7439-96-5	ug/kg	8/19/2010	465,000	512,000	No
200-E-115	C7682	B26C53	14	16	non-Rad	Molybdenum	7439-98-7	ug/kg	8/19/2010	2,000	470	Yes
200-E-115	C7682	B26C53	14	16	non-Rad	Nickel	7440-02-0	ug/kg	8/19/2010	12,300	19,100	No
200-E-115	C7682	B26C53	14	16	non-Rad	Nitrate	14797-55-8	ug/kg	8/19/2010	12,800	52,000	No
200-E-115	C7682	B26C53	14	16	non-Rad	Nitrite	14797-65-0	ug/kg	8/19/2010	1,340	--	--
200-E-115	C7682	B26C53	14	16	non-Rad	Selenium	7782-49-2	ug/kg	8/19/2010	1,000	780	Yes
200-E-115	C7682	B26C53	14	16	non-Rad	Strontium	7440-24-6	ug/kg	8/19/2010	37,700	--	--

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7682	B26C53	14	16	non-Rad	Thallium	7440-28-0	ug/kg	8/19/2010	177	185	No
200-E-115	C7682	B26C53	14	16	Rad	Tritium	10028-17-8	pCi/g	8/19/2010	3.0	--	--
200-E-115	C7682	B26C53	14	16	non-Rad	Vanadium	7440-62-2	ug/kg	8/19/2010	53,800	85,100	No
200-E-115	C7682	B26C53	14	16	non-Rad	Zinc	7440-66-6	ug/kg	8/19/2010	38,100	67,800	No
200-E-115	C7682	B26C53	14	16	non-Rad	Zirconium	7440-67-7	ug/kg	8/19/2010	11,900	--	--
200-E-115	C7682	B26C54	14	16	non-Rad	Styrene	100-42-5	ug/kg	8/19/2010	0.46	--	--
200-E-115	C7682	B26C54	14	16	non-Rad	Toluene	108-88-3	ug/kg	8/19/2010	1.1	--	--
200-E-115	C7682	B26JL0	0	1	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/17/2010	230	--	--
200-E-115	C7682	B26JL0	0	1	non-Rad	Cadmium	7440-43-9	ug/kg	8/17/2010	100	563	No
200-E-115	C7682	B26JL0	0	1	non-Rad	Zirconium	7440-67-7	ug/kg	8/17/2010	9,310	--	--
200-E-115	C7682	B26JL1	0	1	non-Rad	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/17/2010	0.0012	--	--
200-E-115	C7682	B26JL1	0	1	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/17/2010	0.0032	--	--
200-E-115	C7682	B26JL1	0	1	non-Rad	Aluminum	7429-90-5	ug/kg	8/17/2010	6.10E+06	1.18E+07	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Antimony	7440-36-0	ug/kg	8/17/2010	218	130	Yes
200-E-115	C7682	B26JL1	0	1	non-Rad	Arsenic	7440-38-2	ug/kg	8/17/2010	7,000	20,000	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Barium	7440-39-3	ug/kg	8/17/2010	82,200	132,000	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Beryllium	7440-41-7	ug/kg	8/17/2010	212	1,510	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Chromium	7440-47-3	ug/kg	8/17/2010	7,550	18,500	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Cobalt	7440-48-4	ug/kg	8/17/2010	7,850	15,700	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Copper	7440-50-8	ug/kg	8/17/2010	11,800	22,000	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Fluoride	16984-48-8	ug/kg	8/17/2010	2,100	2,810	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Iron	7439-89-6	ug/kg	8/17/2010	1.63E+07	3.26E+07	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Lead	7439-92-1	ug/kg	8/17/2010	7,000	10,200	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Lithium	7439-93-2	ug/kg	8/17/2010	8,010	13,300	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Manganese	7439-96-5	ug/kg	8/17/2010	332,000	512,000	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Nickel	7440-02-0	ug/kg	8/17/2010	9,610	19,100	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Nitrate	14797-55-8	ug/kg	8/17/2010	54,600	52,000	Yes
200-E-115	C7682	B26JL1	0	1	non-Rad	Nitrite	14797-65-0	ug/kg	8/17/2010	1,210	--	--
200-E-115	C7682	B26JL1	0	1	non-Rad	Selenium	7782-49-2	ug/kg	8/17/2010	1,000	780	Yes
200-E-115	C7682	B26JL1	0	1	non-Rad	Strontium	7440-24-6	ug/kg	8/17/2010	30,500	--	--
200-E-115	C7682	B26JL1	0	1	non-Rad	otal petroleum hydrocarbons - diesel ran	TPHDIESEL	ug/kg	8/17/2010	12,000	--	--
200-E-115	C7682	B26JL1	0	1	Rad	Tritium	10028-17-8	pCi/g	8/17/2010	1.7	--	--
200-E-115	C7682	B26JL1	0	1	non-Rad	Vanadium	7440-62-2	ug/kg	8/17/2010	27,000	85,100	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Zinc	7440-66-6	ug/kg	8/17/2010	36,400	67,800	No
200-E-115	C7682	B26JM0	0	1	non-Rad	Styrene	100-42-5	ug/kg	8/17/2010	0.43	--	--
200-E-115	C7682	B26JM0	0	1	non-Rad	Toluene	108-88-3	ug/kg	8/17/2010	0.39	--	--
200-W-54	299-W22-84	B139C3	0	6	non-Rad	Acetone	67-64-1	ug/kg	10/19/2001	44	--	--
200-W-54	299-W22-84	B139C3	0	6	non-Rad	Aluminum	7429-90-5	ug/kg	10/19/2001	8.15E+06	1.18E+07	No

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-W-54	299-W22-84	B139C3	0	6	Rad	Cesium-137	10045-97-3	pCi/g	10/19/2001	0.047	1.1	No
200-W-54	299-W22-84	B139C3	0	6	non-Rad	Copper	7440-50-8	ug/kg	10/19/2001	15,700	22,000	No
200-W-54	299-W22-84	B139C3	0	6	non-Rad	Nitrate	14797-55-8	ug/kg	10/19/2001	5,680	52,000	No
200-W-54	299-W22-84	B139C3	0	6	non-Rad	Tin	7440-31-5	ug/kg	10/19/2001	1,900	--	--
200-W-54	299-W22-84	B139C3	0	6	Rad	Uranium-233/234	U-233/234	pCi/g	10/19/2001	0.66	1.1	No
200-W-54	299-W22-84	B139C3	0	6	Rad	Uranium-238	U-238	pCi/g	10/19/2001	0.51	1.1	No
200-W-54	299-W22-84	B139D1	0	6	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/19/2001	490	--	--
200-W-54	299-W22-84	B139D1	0	6	non-Rad	Iron	7439-89-6	ug/kg	10/19/2001	2.81E+07	3.26E+07	No
200-W-54	299-W22-84	B139D1	0	6	non-Rad	Manganese	7439-96-5	ug/kg	10/19/2001	438,000	512,000	No
200-W-54	299-W22-84	B139D1	0	6	non-Rad	Methylene chloride	75-09-2	ug/kg	10/19/2001	11	--	--
200-W-54	299-W22-84	B139D1	0	6	non-Rad	Molybdenum	7439-98-7	ug/kg	10/19/2001	530	470	Yes
207-A-South	C4113	B17HR8	12.5	13.5	non-Rad	Barium	7440-39-3	ug/kg	9/10/2003	21,700	132,000	No
207-A-South	C4113	B17HR8	12.5	13.5	non-Rad	Copper	7440-50-8	ug/kg	9/10/2003	10,700	22,000	No
207-A-South	C4113	B17HR8	12.5	13.5	non-Rad	Diethylphthalate	84-66-2	ug/kg	9/10/2003	260	--	--
207-A-South	C4113	B17HR8	12.5	13.5	non-Rad	Nitrate	14797-55-8	ug/kg	9/10/2003	2,570	52,000	No
207-A-South	C4113	B17HR8	12.5	13.5	non-Rad	Silver	7440-22-4	ug/kg	9/10/2003	2,040	167	Yes
207-A-South	C4113	B17HR8	12.5	13.5	Rad	Uranium-233/234	U-233/234	pCi/g	9/10/2003	0.12	1.1	No
207-A-South	C4113	B17HR8	12.5	13.5	Rad	Uranium-235	15117-96-1	pCi/g	9/10/2003	0.012	0.11	No
207-A-South	C4113	B17HR8	12.5	13.5	Rad	Uranium-238	U-238	pCi/g	9/10/2003	0.14	1.1	No
207-A-South	C4113	B17HR9	1	2	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	1,000	--	--
207-A-South	C4113	B17HR9	1	2	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.46	0.18	Yes
207-A-South	C4113	B17HR9	1	2	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	0.15	--	--
207-A-South	C4113	B17HT0	2	3	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	5,100	--	--
207-A-South	C4113	B17HT0	2	3	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.30	0.18	Yes
207-A-South	C4113	B17HT0	2	3	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	0.33	--	--
207-A-South	C4113	B17HT1	6	7	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	1,100	--	--
207-A-South	C4113	B17HT2	12.5	13.5	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/10/2003	530	--	--
207-A-South	C4114	B17HX4	1	2	non-Rad	(2-(2,4,5-Trichlorophenoxy)propionic ac	93-72-1	ug/kg	9/3/2003	3.3	--	--
207-A-South	C4114	B17HX4	1	2	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	8,900	--	--
207-A-South	C4114	B17HX4	1	2	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.94	0.18	Yes
207-A-South	C4114	B17HX4	1	2	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	2.5	--	--
207-A-South	C4114	B17HX5	2	3	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	20,900	--	--
207-A-South	C4114	B17HX5	2	3	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.90	0.18	Yes
207-A-South	C4114	B17HX5	2	3	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	4.9	--	--
207-A-South	C4114	B17HX6	6	7	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/4/2003	4,500	--	--
207-A-South	C4114	B17HX6	6	7	Rad	Tritium	10028-17-8	pCi/g	9/4/2003	2.3	--	--
207-A-South	C4114	B17HX7	12.5	13.5	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/10/2003	2,400	--	--
207-A-South	C4114	B17HX7	12.5	13.5	Rad	Tritium	10028-17-8	pCi/g	9/10/2003	2.0	--	--

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
207-A-South	C4114	B17HY3	12.5	13.5	Rad	Americium-241	14596-10-2	pCi/g	9/10/2003	0.025	--	--
207-A-South	C4114	B17HY3	12.5	13.5	non-Rad	Barium	7440-39-3	ug/kg	9/10/2003	24,600	132,000	No
207-A-South	C4114	B17HY3	12.5	13.5	Rad	Cesium-137	10045-97-3	pCi/g	9/10/2003	0.013	1.1	No
207-A-South	C4114	B17HY3	12.5	13.5	non-Rad	Copper	7440-50-8	ug/kg	9/10/2003	8,480	22,000	No
207-A-South	C4114	B17HY3	12.5	13.5	non-Rad	Diethylphthalate	84-66-2	ug/kg	9/10/2003	210	--	--
207-A-South	C4114	B17HY3	12.5	13.5	non-Rad	Nitrate	14797-55-8	ug/kg	9/10/2003	9,120	52,000	No
207-A-South	C4114	B17HY3	12.5	13.5	Rad	Uranium-233/234	U-233/234	pCi/g	9/10/2003	0.094	1.1	No
207-A-South	C4114	B17HY3	12.5	13.5	Rad	Uranium-235	15117-96-1	pCi/g	9/10/2003	0.013	0.11	No
207-A-South	C4114	B17HY3	12.5	13.5	Rad	Uranium-238	U-238	pCi/g	9/10/2003	0.14	1.1	No
207-A-South	C4115	B17HX8	1	2	non-Rad	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	9/3/2003	7.1	--	--
207-A-South	C4115	B17HX8	1	2	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	1,600	--	--
207-A-South	C4115	B17HX8	1	2	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.82	0.18	Yes
207-A-South	C4115	B17HX8	1	2	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	0.12	--	--
207-A-South	C4115	B17HX9	2	3	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	920	--	--
207-A-South	C4115	B17HX9	2	3	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.80	0.18	Yes
207-A-South	C4115	B17HY4	6	7	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/4/2003	13,200	--	--
207-A-South	C4115	B17HY4	6	7	Rad	Tritium	10028-17-8	pCi/g	9/4/2003	6.6	--	--
207-A-South	C4115	B17HY5	12.5	13.5	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/10/2003	2,300	--	--
207-A-South	C4115	B17HY5	12.5	13.5	Rad	Tritium	10028-17-8	pCi/g	9/10/2003	2.4	--	--
207-A-South	C4115	B17HY9	12.5	13.5	Rad	Americium-241	14596-10-2	pCi/g	9/10/2003	0.019	--	--
207-A-South	C4115	B17HY9	12.5	13.5	non-Rad	Barium	7440-39-3	ug/kg	9/10/2003	15,700	132,000	No
207-A-South	C4115	B17HY9	12.5	13.5	non-Rad	Copper	7440-50-8	ug/kg	9/10/2003	10,100	22,000	No
207-A-South	C4115	B17HY9	12.5	13.5	non-Rad	Nitrate	14797-55-8	ug/kg	9/10/2003	10,400	52,000	No
207-A-South	C4115	B17HY9	12.5	13.5	Rad	Uranium-233/234	U-233/234	pCi/g	9/10/2003	0.13	1.1	No
207-A-South	C4115	B17HY9	12.5	13.5	Rad	Uranium-235	15117-96-1	pCi/g	9/10/2003	0.0080	0.11	No
207-A-South	C4115	B17HY9	12.5	13.5	Rad	Uranium-238	U-238	pCi/g	9/10/2003	0.100	1.1	No
207-A-South	D074	S827942	0	1	Rad	Cesium-137	10045-97-3	pCi/g	6/3/2010	0.59	1.1	No
207-A-South	D074	S827942	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	6/3/2010	-3.13E-03	0.0084	No
207-A-South	D074	S827942	0	1	Rad	Europium-152	14683-23-9	pCi/g	6/3/2010	-2.24E-02	--	--
207-A-South	D074	S827942	0	1	Rad	Europium-154	15585-10-1	pCi/g	6/3/2010	-7.31E-03	0.033	No
207-A-South	D074	S827942	0	1	Rad	Europium-155	14391-16-3	pCi/g	6/3/2010	0.0061	0.054	No
207-A-South	D074	S827942	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	6/3/2010	0.0056	0.0038	Yes
207-A-South	D074	S827942	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	6/3/2010	0.0045	0.025	No
207-A-South	D074	S827942	0	1	Rad	Strontium-90	10098-97-2	pCi/g	6/3/2010	0.48	0.18	Yes
207-A-South	D074	S827942	0	1	Rad	Uranium-234	13966-29-5	pCi/g	6/3/2010	0.16	1.1	No
207-A-South	D074	S827942	0	1	Rad	Uranium-235	15117-96-1	pCi/g	6/3/2010	0.017	0.11	No
207-A-South	D074	S827942	0	1	Rad	Uranium-238	U-238	pCi/g	6/3/2010	0.12	1.1	No
207-T	299-W11-39	B10F76	0	0	Rad	Cesium-137	10045-97-3	pCi/g	11/30/2000	0.035	1.1	No

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
207-T	299-W11-39	B10F76	0	0	non-Rad	Uranium	7440-61-1	ug/kg	11/30/2000	1,100	3,210	No
207-T	299-W11-39	B10F77	0	0	non-Rad	Uranium	7440-61-1	ug/kg	11/30/2000	991	3,210	No
207-T	299-W11-39	B10F90	0	0	non-Rad	Acetone	67-64-1	ug/kg	11/30/2000	7.0	--	--
207-T	299-W11-39	B10F90	0	0	non-Rad	Arsenic	7440-38-2	ug/kg	11/30/2000	4,200	20,000	No
207-T	299-W11-39	B10F90	0	0	non-Rad	Barium	7440-39-3	ug/kg	11/30/2000	103,000	132,000	No
207-T	299-W11-39	B10F90	0	0	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	11/30/2000	100	--	--
207-T	299-W11-39	B10F90	0	0	non-Rad	Chromium	7440-47-3	ug/kg	11/30/2000	5,800	18,500	No
207-T	299-W11-39	B10F90	0	0	non-Rad	Lead	7439-92-1	ug/kg	11/30/2000	4,800	10,200	No
207-T	299-W11-39	B10F90	0	0	non-Rad	Methylene chloride	75-09-2	ug/kg	11/30/2000	14	--	--
207-T	299-W11-39	B10F90	0	0	non-Rad	Nitrate	14797-55-8	ug/kg	11/30/2000	13,000	52,000	No
207-T	299-W11-39	B10F90	0	0	non-Rad	Phenol	108-95-2	ug/kg	11/30/2000	35	--	--
207-T	299-W11-40	B105V3	0	0	Rad	Technetium-99	14133-76-7	pCi/g	9/27/2000	0.61	--	--
207-T	299-W11-40	B105V3	0	0	non-Rad	Uranium	7440-61-1	ug/kg	9/27/2000	1,760	3,210	No
207-T	299-W11-40	B105V5	0	0	Rad	Tritium	10028-17-8	pCi/g	9/29/2000	0.082	--	--
207-T	299-W11-40	B105V5	0	0	non-Rad	Uranium	7440-61-1	ug/kg	9/29/2000	1,160	3,210	No
207-T	299-W11-40	B105W3	0	0	non-Rad	Arsenic	7440-38-2	ug/kg	9/27/2000	4,900	20,000	No
207-T	299-W11-40	B105W3	0	0	non-Rad	Barium	7440-39-3	ug/kg	9/27/2000	76,300	132,000	No
207-T	299-W11-40	B105W3	0	0	non-Rad	Chromium	7440-47-3	ug/kg	9/27/2000	9,000	18,500	No
207-T	299-W11-40	B105W3	0	0	non-Rad	Lead	7439-92-1	ug/kg	9/27/2000	4,400	10,200	No
207-T	299-W11-40	B105W3	0	0	non-Rad	Methylene chloride	75-09-2	ug/kg	9/27/2000	9.0	--	--
207-T	299-W11-40	B105W3	0	0	non-Rad	Nitrate	14797-55-8	ug/kg	9/27/2000	4,100	52,000	No
207-T/200-W-53	299-W11-41	B0YVX6	0	0	Rad	Cesium-137	10045-97-3	pCi/g	8/7/2000	0.21	1.1	No
207-T/200-W-53	299-W11-41	B0YVX6	0	0	Rad	Technetium-99	14133-76-7	pCi/g	8/7/2000	0.74	--	--
207-T/200-W-53	299-W11-41	B0YVX6	0	0	Rad	Uranium-233/234	U-233/234	pCi/g	8/7/2000	0.44	1.1	No
207-T/200-W-53	299-W11-41	B0YVX6	0	0	Rad	Uranium-238	U-238	pCi/g	8/7/2000	0.37	1.1	No
207-T/200-W-53	299-W11-41	B0YVX7	0	0	Rad	Technetium-99	14133-76-7	pCi/g	8/7/2000	0.58	--	--
207-T/200-W-53	299-W11-41	B0YVX7	0	0	Rad	Uranium-233/234	U-233/234	pCi/g	8/7/2000	0.32	1.1	No
207-T/200-W-53	299-W11-41	B0YVX7	0	0	Rad	Uranium-238	U-238	pCi/g	8/7/2000	0.47	1.1	No
207-T/200-W-53	299-W11-41	B0YVX8	0	0	non-Rad	Arsenic	7440-38-2	ug/kg	8/7/2000	2,900	20,000	No
207-T/200-W-53	299-W11-41	B0YVX8	0	0	non-Rad	Barium	7440-39-3	ug/kg	8/7/2000	103,000	132,000	No
207-T/200-W-53	299-W11-41	B0YVX8	0	0	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/7/2000	35	--	--
207-T/200-W-53	299-W11-41	B0YVX8	0	0	non-Rad	Chromium	7440-47-3	ug/kg	8/7/2000	7,800	18,500	No
207-T/200-W-53	299-W11-41	B0YVX8	0	0	non-Rad	Lead	7439-92-1	ug/kg	8/7/2000	3,600	10,200	No
207-T/200-W-53	299-W11-41	B0YVX8	0	0	non-Rad	Methylene chloride	75-09-2	ug/kg	8/7/2000	14	--	--
207-T/200-W-53	299-W11-41	B0YVX8	0	0	non-Rad	Nitrate	14797-55-8	ug/kg	8/7/2000	8,000	52,000	No
207-T/200-W-53	D018	S336968	0	1	Rad	Cesium-137	10045-97-3	pCi/g	5/10/2000	0.16	1.1	No
207-T/200-W-53	D018	S336968	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	5/10/2000	-2.41E-04	0.0084	No
207-T/200-W-53	D018	S336968	0	1	Rad	Europium-152	14683-23-9	pCi/g	5/10/2000	-2.30E-03	--	--

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
207-T/200-W-53	D018	S336968	0	1	Rad	Europium-154	15585-10-1	pCi/g	5/10/2000	-2.32E-04	0.033	No
207-T/200-W-53	D018	S336968	0	1	Rad	Europium-155	14391-16-3	pCi/g	5/10/2000	0.0016	0.054	No
207-T/200-W-53	D018	S336968	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	5/10/2000	0.015	0.0038	Yes
207-T/200-W-53	D018	S336968	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/10/2000	0.41	0.025	Yes
207-T/200-W-53	D018	S336968	0	1	Rad	Strontium-90	10098-97-2	pCi/g	5/10/2000	0.49	0.18	Yes
207-T/200-W-53	D018	S336968	0	1	Rad	Uranium-234	13966-29-5	pCi/g	5/10/2000	0.25	1.1	No
207-T/200-W-53	D018	S336968	0	1	Rad	Uranium-235	15117-96-1	pCi/g	5/10/2000	0.016	0.11	No
207-T/200-W-53	D018	S336968	0	1	Rad	Uranium-238	U-238	pCi/g	5/10/2000	0.21	1.1	No
207-T/200-W-53	D018	S423810	0	1	Rad	Cesium-137	10045-97-3	pCi/g	5/16/2002	0.64	1.1	No
207-T/200-W-53	D018	S423810	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	5/16/2002	1.46E-04	0.0084	No
207-T/200-W-53	D018	S423810	0	1	Rad	Europium-152	14683-23-9	pCi/g	5/16/2002	4.05E-04	--	--
207-T/200-W-53	D018	S423810	0	1	Rad	Europium-154	15585-10-1	pCi/g	5/16/2002	-6.44E-03	0.033	No
207-T/200-W-53	D018	S423810	0	1	Rad	Europium-155	14391-16-3	pCi/g	5/16/2002	0.0033	0.054	No
207-T/200-W-53	D018	S423810	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	5/16/2002	0.011	0.0038	Yes
207-T/200-W-53	D018	S423810	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/16/2002	0.074	0.025	Yes
207-T/200-W-53	D018	S423810	0	1	Rad	Strontium-90	10098-97-2	pCi/g	5/16/2002	0.10	0.18	No
207-T/200-W-53	D018	S423810	0	1	Rad	Uranium-234	13966-29-5	pCi/g	5/16/2002	0.16	1.1	No
207-T/200-W-53	D018	S423810	0	1	Rad	Uranium-235	15117-96-1	pCi/g	5/16/2002	0.020	0.11	No
207-T/200-W-53	D018	S423810	0	1	Rad	Uranium-238	U-238	pCi/g	5/16/2002	0.16	1.1	No
207-T/200-W-53	D018	S609861	0	1	Rad	Cesium-137	10045-97-3	pCi/g	6/21/2004	1.8	1.1	Yes
207-T/200-W-53	D018	S609861	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	6/21/2004	-2.80E-04	0.0084	No
207-T/200-W-53	D018	S609861	0	1	Rad	Europium-152	14683-23-9	pCi/g	6/21/2004	-9.39E-03	--	--
207-T/200-W-53	D018	S609861	0	1	Rad	Europium-154	15585-10-1	pCi/g	6/21/2004	-2.89E-03	0.033	No
207-T/200-W-53	D018	S609861	0	1	Rad	Europium-155	14391-16-3	pCi/g	6/21/2004	0.0027	0.054	No
207-T/200-W-53	D018	S609861	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	6/21/2004	0.0018	0.0038	No
207-T/200-W-53	D018	S609861	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	6/21/2004	0.12	0.025	Yes
207-T/200-W-53	D018	S609861	0	1	Rad	Strontium-90	10098-97-2	pCi/g	6/21/2004	0.45	0.18	Yes
207-T/200-W-53	D018	S609861	0	1	Rad	Uranium-234	13966-29-5	pCi/g	6/21/2004	0.14	1.1	No
207-T/200-W-53	D018	S609861	0	1	Rad	Uranium-235	15117-96-1	pCi/g	6/21/2004	0.013	0.11	No
207-T/200-W-53	D018	S609861	0	1	Rad	Uranium-238	U-238	pCi/g	6/21/2004	0.14	1.1	No
207-T/200-W-53	D018	S685043	0	1	Rad	Cesium-137	10045-97-3	pCi/g	5/22/2006	0.18	1.1	No
207-T/200-W-53	D018	S685043	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	5/22/2006	-2.40E-04	0.0084	No
207-T/200-W-53	D018	S685043	0	1	Rad	Europium-152	14683-23-9	pCi/g	5/22/2006	-2.15E-03	--	--
207-T/200-W-53	D018	S685043	0	1	Rad	Europium-154	15585-10-1	pCi/g	5/22/2006	0.0025	0.033	No
207-T/200-W-53	D018	S685043	0	1	Rad	Europium-155	14391-16-3	pCi/g	5/22/2006	0.0060	0.054	No
207-T/200-W-53	D018	S685043	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	5/22/2006	-8.08E-03	0.0038	No
207-T/200-W-53	D018	S685043	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/22/2006	0.0022	0.025	No
207-T/200-W-53	D018	S685043	0	1	Rad	Strontium-90	10098-97-2	pCi/g	5/22/2006	-5.12E-02	0.18	No

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
207-T/200-W-53	D018	S685043	0	1	Rad	Uranium-234	13966-29-5	pCi/g	5/22/2006	0.100	1.1	No
207-T/200-W-53	D018	S685043	0	1	Rad	Uranium-235	15117-96-1	pCi/g	5/22/2006	0.0019	0.11	No
207-T/200-W-53	D018	S685043	0	1	Rad	Uranium-238	U-238	pCi/g	5/22/2006	0.085	1.1	No
207-T/200-W-53	D018	S755553	0	1	Rad	Cesium-137	10045-97-3	pCi/g	5/27/2008	0.32	1.1	No
207-T/200-W-53	D018	S755553	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	5/27/2008	-2.73E-05	0.0084	No
207-T/200-W-53	D018	S755553	0	1	Rad	Europium-152	14683-23-9	pCi/g	5/27/2008	-6.07E-03	--	--
207-T/200-W-53	D018	S755553	0	1	Rad	Europium-154	15585-10-1	pCi/g	5/27/2008	-4.74E-03	0.033	No
207-T/200-W-53	D018	S755553	0	1	Rad	Europium-155	14391-16-3	pCi/g	5/27/2008	0.0084	0.054	No
207-T/200-W-53	D018	S755553	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	5/27/2008	-4.01E-03	0.0038	No
207-T/200-W-53	D018	S755553	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/27/2008	0.0067	0.025	No
207-T/200-W-53	D018	S755553	0	1	Rad	Strontium-90	10098-97-2	pCi/g	5/27/2008	-3.18E-01	0.18	No
207-T/200-W-53	D018	S755553	0	1	Rad	Uranium-234	13966-29-5	pCi/g	5/27/2008	0.13	1.1	No
207-T/200-W-53	D018	S755553	0	1	Rad	Uranium-235	15117-96-1	pCi/g	5/27/2008	-2.40E-03	0.11	No
207-T/200-W-53	D018	S755553	0	1	Rad	Uranium-238	U-238	pCi/g	5/27/2008	0.12	1.1	No
207-T/200-W-53	D018	S827914	0	1	Rad	Cesium-137	10045-97-3	pCi/g	5/27/2010	0.94	1.1	No
207-T/200-W-53	D018	S827914	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	5/27/2010	6.53E-04	0.0084	No
207-T/200-W-53	D018	S827914	0	1	Rad	Europium-152	14683-23-9	pCi/g	5/27/2010	-2.44E-02	--	--
207-T/200-W-53	D018	S827914	0	1	Rad	Europium-154	15585-10-1	pCi/g	5/27/2010	0.0071	0.033	No
207-T/200-W-53	D018	S827914	0	1	Rad	Europium-155	14391-16-3	pCi/g	5/27/2010	0.023	0.054	No
207-T/200-W-53	D018	S827914	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	5/27/2010	0.0056	0.0038	Yes
207-T/200-W-53	D018	S827914	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/27/2010	0.097	0.025	Yes
207-T/200-W-53	D018	S827914	0	1	Rad	Strontium-90	10098-97-2	pCi/g	5/27/2010	-1.11E+00	0.18	No
207-T/200-W-53	D018	S827914	0	1	Rad	Uranium-234	13966-29-5	pCi/g	5/27/2010	0.14	1.1	No
207-T/200-W-53	D018	S827914	0	1	Rad	Uranium-235	15117-96-1	pCi/g	5/27/2010	0.0066	0.11	No
207-T/200-W-53	D018	S827914	0	1	Rad	Uranium-238	U-238	pCi/g	5/27/2010	0.14	1.1	No
207-T/200-W-53	D018	S976724	0	1	Rad	Cesium-137	10045-97-3	pCi/g	6/9/2016	1.5	1.1	Yes
207-T/200-W-53	D018	S976724	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	6/9/2016	9.23E-04	0.0038	No
207-T/200-W-53	D018	S976724	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	6/9/2016	0.042	0.025	Yes
207-T/200-W-53	D018	S976724	0	1	Rad	Strontium-90	10098-97-2	pCi/g	6/9/2016	0.065	0.18	No
207-T/200-W-53	D018	S976724	0	1	Rad	Uranium-234	13966-29-5	pCi/g	6/9/2016	0.54	1.1	No
207-T/200-W-53	D018	S976724	0	1	Rad	Uranium-238	U-238	pCi/g	6/9/2016	0.47	1.1	No
216-A-34	C3245	B16RW5	14.5	17	Rad	Nickel-63	13981-37-8	pCi/g	4/4/2003	16	--	--
216-A-34	C3245	B16RW5	14.5	17	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/4/2003	544,000	--	--
216-A-34	C3245	B16RW5	14.5	17	Rad	Strontium-90	10098-97-2	pCi/g	4/4/2003	11	0.18	Yes
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Aluminum	7429-90-5	ug/kg	4/4/2003	5.89E+06	1.18E+07	No
216-A-34	C3245	B16RX6	14.5	17	Rad	Americium-241	14596-10-2	pCi/g	4/4/2003	0.079	--	--
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Arsenic	7440-38-2	ug/kg	4/4/2003	7,000	20,000	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Barium	7440-39-3	ug/kg	4/4/2003	98,900	132,000	No

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Beryllium	7440-41-7	ug/kg	4/4/2003	241	1,510	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/4/2003	660	--	--
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Boron	7440-42-8	ug/kg	4/4/2003	38,930	3,890	Yes
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Cadmium	7440-43-9	ug/kg	4/4/2003	211	563	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Chromium	7440-47-3	ug/kg	4/4/2003	5,310	18,500	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Cobalt	7440-48-4	ug/kg	4/4/2003	9,710	15,700	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Copper	7440-50-8	ug/kg	4/4/2003	13,400	22,000	No
216-A-34	C3245	B16RX6	14.5	17	Rad	Europium-155	14391-16-3	pCi/g	4/4/2003	0.0058	0.054	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Fluoride	16984-48-8	ug/kg	4/4/2003	5,620	2,810	Yes
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Lead	7439-92-1	ug/kg	4/4/2003	3,180	10,200	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Manganese	7439-96-5	ug/kg	4/4/2003	430,000	512,000	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Nickel	7440-02-0	ug/kg	4/4/2003	8,540	19,100	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Nitrate	14797-55-8	ug/kg	4/4/2003	2.42E+06	52,000	Yes
216-A-34	C3245	B16RX6	14.5	17	Rad	Plutonium-239/240	PU-239/240	pCi/g	4/4/2003	0.18	0.025	Yes
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Thallium	7440-28-0	ug/kg	4/4/2003	68	185	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	otal petroleum hydrocarbons - diesel ran	TPHDIESEL	ug/kg	4/4/2003	230,000	--	--
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Tributyl phosphate	126-73-8	ug/kg	4/4/2003	280,000	--	--
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Uranium	7440-61-1	ug/kg	4/4/2003	129,000	3,210	Yes
216-A-34	C3245	B16RX6	14.5	17	Rad	Uranium-233/234	U-233/234	pCi/g	4/4/2003	6.0	1.1	Yes
216-A-34	C3245	B16RX6	14.5	17	Rad	Uranium-234	13966-29-5	pCi/g	4/4/2003	6.0	1.1	Yes
216-A-34	C3245	B16RX6	14.5	17	Rad	Uranium-235	15117-96-1	pCi/g	4/4/2003	0.94	0.11	Yes
216-A-34	C3245	B16RX6	14.5	17	Rad	Uranium-238	U-238	pCi/g	4/4/2003	51	1.1	Yes
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Vanadium	7440-62-2	ug/kg	4/4/2003	96,100	85,100	Yes
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Zinc	7440-66-6	ug/kg	4/4/2003	56,600	67,800	No
UPR-200-E-64	C5942	B1TFN9	4	6	Rad	Americium-241	14596-10-2	pCi/g	2/11/2008	0.16	--	--
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Arsenic	7440-38-2	ug/kg	2/11/2008	3,510	20,000	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Barium	7440-39-3	ug/kg	2/11/2008	76,900	132,000	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Beryllium	7440-41-7	ug/kg	2/11/2008	260	1,510	No
UPR-200-E-64	C5942	B1TFN9	4	6	Rad	Cesium-137	10045-97-3	pCi/g	2/11/2008	0.013	1.1	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Chromium	7440-47-3	ug/kg	2/11/2008	7,910	18,500	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Copper	7440-50-8	ug/kg	2/11/2008	13,100	22,000	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Lead	7439-92-1	ug/kg	2/11/2008	4,310	10,200	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Nickel	7440-02-0	ug/kg	2/11/2008	8,950	19,100	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Nitrate	14797-55-8	ug/kg	2/11/2008	8,850	52,000	No
UPR-200-E-64	C5942	B1TFN9	4	6	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/11/2008	0.023	0.025	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Selenium	7782-49-2	ug/kg	2/11/2008	460	780	No
UPR-200-E-64	C5942	B1TFN9	4	6	Rad	Uranium-233/234	U-233/234	pCi/g	2/11/2008	0.21	1.1	No
UPR-200-E-64	C5942	B1TFN9	4	6	Rad	Uranium-235	15117-96-1	pCi/g	2/11/2008	0.044	0.11	No

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-64	C5942	B1TFN9	4	6	Rad	Uranium-238	U-238	pCi/g	2/11/2008	0.19	1.1	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Zinc	7440-66-6	ug/kg	2/11/2008	39,700	67,800	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Americium-241	14596-10-2	pCi/g	2/12/2008	8.9	--	--
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Arsenic	7440-38-2	ug/kg	2/12/2008	2,700	20,000	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Barium	7440-39-3	ug/kg	2/12/2008	76,000	132,000	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Beryllium	7440-41-7	ug/kg	2/12/2008	280	1,510	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Cesium-137	10045-97-3	pCi/g	2/12/2008	2,831	1.1	Yes
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Chromium	7440-47-3	ug/kg	2/12/2008	8,740	18,500	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Copper	7440-50-8	ug/kg	2/12/2008	15,500	22,000	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Europium-154	15585-10-1	pCi/g	2/12/2008	1.6	0.033	Yes
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Lead	7439-92-1	ug/kg	2/12/2008	3,140	10,200	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Mercury	7439-97-6	ug/kg	2/12/2008	500	13	Yes
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Nickel	7440-02-0	ug/kg	2/12/2008	9,840	19,100	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Nitrate	14797-55-8	ug/kg	2/12/2008	6,950	52,000	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Plutonium-238	13981-16-3	pCi/g	2/12/2008	0.24	0.0038	Yes
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/12/2008	0.73	0.025	Yes
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Selenium	7782-49-2	ug/kg	2/12/2008	570	780	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Uranium-233/234	U-233/234	pCi/g	2/12/2008	2.0	1.1	Yes
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Uranium-238	U-238	pCi/g	2/12/2008	0.99	1.1	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Zinc	7440-66-6	ug/kg	2/12/2008	45,200	67,800	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	883	20,000	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Cadmium	7440-43-9	ug/kg	4/29/2008	50	563	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	Rad	Cesium-137	10045-97-3	pCi/g	4/29/2008	15	1.1	Yes
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Chromium	7440-47-3	ug/kg	4/29/2008	3,340	18,500	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	11,000	22,000	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Fluoride	16984-48-8	ug/kg	4/29/2008	595	2,810	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.87E+07	3.26E+07	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Lead	7439-92-1	ug/kg	4/29/2008	1,770	10,200	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	7,540	52,000	No
UPR-200-E-89	C8706	B33B16	2	4.5	Rad	Uranium-238	U-238	pCi/g	10/22/2015	0.60	1.1	No
UPR-200-E-89	C8706	B33B17	2	4.5	non-Rad	Fluoride	16984-48-8	ug/kg	10/22/2015	1,250	2,810	No
UPR-200-E-89	C8706	B33B17	2	4.5	non-Rad	Nitrate	14797-55-8	ug/kg	10/22/2015	29,400	52,000	No
UPR-200-E-89	C8706	B33B19	3.9	6.4	non-Rad	Acetone	67-64-1	ug/kg	10/22/2015	2.6	--	--
UPR-200-E-89	C8706	B33B19	3.9	6.4	non-Rad	Toluene	108-88-3	ug/kg	10/22/2015	0.33	--	--
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Aluminum	7429-90-5	ug/kg	10/22/2015	8.35E+06	1.18E+07	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Arsenic	7440-38-2	ug/kg	10/22/2015	2,690	20,000	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Barium	7440-39-3	ug/kg	10/22/2015	78,600	132,000	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Beryllium	7440-41-7	ug/kg	10/22/2015	296	1,510	No

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Cadmium	7440-43-9	ug/kg	10/22/2015	68	563	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	Rad	Cesium-137	10045-97-3	pCi/g	10/22/2015	0.16	1.1	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Chromium	7440-47-3	ug/kg	10/22/2015	9,470	18,500	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Cobalt	7440-48-4	ug/kg	10/22/2015	6,850	15,700	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Copper	7440-50-8	ug/kg	10/22/2015	13,100	22,000	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/22/2015	205	--	--
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Lead	7439-92-1	ug/kg	10/22/2015	4,430	10,200	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Manganese	7439-96-5	ug/kg	10/22/2015	292,000	512,000	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Molybdenum	7439-98-7	ug/kg	10/22/2015	698	470	Yes
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Nickel	7440-02-0	ug/kg	10/22/2015	7,930	19,100	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Selenium	7782-49-2	ug/kg	10/22/2015	793	780	Yes
UPR-200-E-89	C8706	B33B20	3.9	6.4	Rad	Strontium-90	10098-97-2	pCi/g	10/22/2015	1.7	0.18	Yes
UPR-200-E-89	C8706	B33B22	3.9	6.4	non-Rad	Fluoride	16984-48-8	ug/kg	10/22/2015	1,400	2,810	No
UPR-200-E-89	C8706	B33B22	3.9	6.4	non-Rad	Nitrate	14797-55-8	ug/kg	10/22/2015	37,700	52,000	No
UPR-200-E-89	C8706	B33B24	3.9	6.4	non-Rad	Antimony	7440-36-0	ug/kg	10/22/2015	1,350	130	Yes
UPR-200-E-89	C8706	B33B24	3.9	6.4	non-Rad	Cyanide	57-12-5	ug/kg	10/22/2015	455	--	--
UPR-200-E-89	C8706	B33B24	3.9	6.4	non-Rad	Uranium	7440-61-1	ug/kg	10/22/2015	647	3,210	No
UPR-200-E-89	C8706	B33B24	3.9	6.4	Rad	Uranium-233/234	U-233/234	pCi/g	10/22/2015	0.78	1.1	No
UPR-200-E-89	C8706	B33B24	3.9	6.4	Rad	Uranium-238	U-238	pCi/g	10/22/2015	0.52	1.1	No
UPR-200-E-89	C8706	B33B28	5.9	8.4	non-Rad	Acetone	67-64-1	ug/kg	10/22/2015	2.4	--	--
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Aluminum	7429-90-5	ug/kg	10/22/2015	8.42E+06	1.18E+07	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Antimony	7440-36-0	ug/kg	10/22/2015	1,140	130	Yes
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Arsenic	7440-38-2	ug/kg	10/22/2015	2,390	20,000	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Barium	7440-39-3	ug/kg	10/22/2015	83,900	132,000	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Beryllium	7440-41-7	ug/kg	10/22/2015	251	1,510	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Cadmium	7440-43-9	ug/kg	10/22/2015	61	563	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	Rad	Cesium-137	10045-97-3	pCi/g	10/22/2015	0.10	1.1	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Chromium	7440-47-3	ug/kg	10/22/2015	12,800	18,500	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Cobalt	7440-48-4	ug/kg	10/22/2015	7,830	15,700	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Copper	7440-50-8	ug/kg	10/22/2015	14,100	22,000	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Lead	7439-92-1	ug/kg	10/22/2015	3,510	10,200	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Manganese	7439-96-5	ug/kg	10/22/2015	302,000	512,000	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Molybdenum	7439-98-7	ug/kg	10/22/2015	1,730	470	Yes
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Nickel	7440-02-0	ug/kg	10/22/2015	8,490	19,100	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Selenium	7782-49-2	ug/kg	10/22/2015	726	780	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	otal petroleum hydrocarbons - diesel ran	TPHDIESEL	ug/kg	10/22/2015	2,570	--	--
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Uranium	7440-61-1	ug/kg	10/22/2015	572	3,210	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	Rad	Uranium-233/234	U-233/234	pCi/g	10/22/2015	0.60	1.1	No

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8706	B33B29	5.9	8.4	Rad	Uranium-238	U-238	pCi/g	10/22/2015	0.91	1.1	No
UPR-200-E-89	C8706	B33B31	5.9	8.4	non-Rad	Fluoride	16984-48-8	ug/kg	10/22/2015	1,760	2,810	No
UPR-200-E-89	C8706	B33B31	5.9	8.4	non-Rad	Nitrate	14797-55-8	ug/kg	10/22/2015	24,300	52,000	No
UPR-200-E-89	C8707	B320N6	0	2.5	non-Rad	Uranium	7440-61-1	ug/kg	7/21/2015	596	3,210	No
UPR-200-E-89	C8707	B320N6	0	2.5	Rad	Uranium-233/234	U-233/234	pCi/g	7/21/2015	1.4	1.1	Yes
UPR-200-E-89	C8707	B320N7	0	2.5	non-Rad	Fluoride	16984-48-8	ug/kg	7/21/2015	754	2,810	No
UPR-200-E-89	C8707	B320N7	0	2.5	non-Rad	Nitrate	14797-55-8	ug/kg	7/21/2015	98,700	52,000	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Aluminum	7429-90-5	ug/kg	7/21/2015	6.54E+06	1.18E+07	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Antimony	7440-36-0	ug/kg	7/21/2015	2,970	130	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Arsenic	7440-38-2	ug/kg	7/21/2015	3,750	20,000	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Barium	7440-39-3	ug/kg	7/21/2015	139,000	132,000	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Beryllium	7440-41-7	ug/kg	7/21/2015	271	1,510	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Boron	7440-42-8	ug/kg	7/21/2015	873	3,890	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Cadmium	7440-43-9	ug/kg	7/21/2015	227	563	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Chromium	7440-47-3	ug/kg	7/21/2015	9,270	18,500	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Cobalt	7440-48-4	ug/kg	7/21/2015	9,650	15,700	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Copper	7440-50-8	ug/kg	7/21/2015	25,000	22,000	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Iron	7439-89-6	ug/kg	7/21/2015	3.30E+07	3.26E+07	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Lead	7439-92-1	ug/kg	7/21/2015	3,670	10,200	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Lithium	7439-93-2	ug/kg	7/21/2015	5,040	13,300	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Manganese	7439-96-5	ug/kg	7/21/2015	385,000	512,000	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Molybdenum	7439-98-7	ug/kg	7/21/2015	2,340	470	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Nickel	7440-02-0	ug/kg	7/21/2015	11,500	19,100	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Silver	7440-22-4	ug/kg	7/21/2015	212	167	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Strontium	7440-24-6	ug/kg	7/21/2015	35,200	--	--
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Thallium	7440-28-0	ug/kg	7/21/2015	91	185	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Uranium	7440-61-1	ug/kg	7/21/2015	635	3,210	No
UPR-200-E-89	C8707	B320P2	5	6.5	Rad	Uranium-233/234	U-233/234	pCi/g	7/21/2015	1.1	1.1	No
UPR-200-E-89	C8707	B320P2	5	6.5	Rad	Uranium-238	U-238	pCi/g	7/21/2015	2.1	1.1	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Zinc	7440-66-6	ug/kg	7/21/2015	50,600	67,800	No
UPR-200-E-89	C8707	B320P3	5	6.5	non-Rad	Fluoride	16984-48-8	ug/kg	7/21/2015	1,790	2,810	No
UPR-200-E-89	C8707	B320P3	5	6.5	non-Rad	Nitrate	14797-55-8	ug/kg	7/21/2015	11,100	52,000	No
UPR-200-E-89	C8711	B320V6	0	2	Rad	Uranium-238	U-238	pCi/g	7/16/2015	0.74	1.1	No
UPR-200-E-89	C8711	B320V7	0	2	non-Rad	Fluoride	16984-48-8	ug/kg	7/16/2015	1,000	2,810	No
UPR-200-E-89	C8711	B320V7	0	2	non-Rad	Nitrate	14797-55-8	ug/kg	7/16/2015	13,600	52,000	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Aluminum	7429-90-5	ug/kg	7/16/2015	7.11E+06	1.18E+07	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Arsenic	7440-38-2	ug/kg	7/16/2015	1,720	20,000	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Barium	7440-39-3	ug/kg	7/16/2015	83,900	132,000	No

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Beryllium	7440-41-7	ug/kg	7/16/2015	244	1,510	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	7/16/2015	1,070	--	--
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Cadmium	7440-43-9	ug/kg	7/16/2015	177	563	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Chromium	7440-47-3	ug/kg	7/16/2015	8,300	18,500	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Cobalt	7440-48-4	ug/kg	7/16/2015	7,340	15,700	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Copper	7440-50-8	ug/kg	7/16/2015	15,600	22,000	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Iron	7439-89-6	ug/kg	7/16/2015	2.51E+07	3.26E+07	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Lead	7439-92-1	ug/kg	7/16/2015	5,730	10,200	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Lithium	7439-93-2	ug/kg	7/16/2015	6,470	13,300	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Manganese	7439-96-5	ug/kg	7/16/2015	333,000	512,000	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Molybdenum	7439-98-7	ug/kg	7/16/2015	409	470	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Nickel	7440-02-0	ug/kg	7/16/2015	9,550	19,100	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Strontium	7440-24-6	ug/kg	7/16/2015	57,100	--	--
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Thallium	7440-28-0	ug/kg	7/16/2015	96	185	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Uranium	7440-61-1	ug/kg	7/16/2015	636	3,210	No
UPR-200-E-89	C8711	B320W3	10	13	Rad	Uranium-233/234	U-233/234	pCi/g	7/16/2015	0.83	1.1	No
UPR-200-E-89	C8711	B320W3	10	13	Rad	Uranium-238	U-238	pCi/g	7/16/2015	0.53	1.1	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Zinc	7440-66-6	ug/kg	7/16/2015	44,600	67,800	No
UPR-200-E-89	C8711	B320W4	10	13	non-Rad	Nitrate	14797-55-8	ug/kg	7/16/2015	7,390	52,000	No
UPR-200-E-89	C8711	B320W8	10	13	non-Rad	Antimony	7440-36-0	ug/kg	7/16/2015	1,280	130	Yes
UPR-200-E-89	C8711	B320W9	10	13	non-Rad	Fluoride	16984-48-8	ug/kg	7/16/2015	1,530	2,810	No
UPR-200-E-89	C9549	B33122	7.2	9.7	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/6/2015	215	--	--
UPR-200-E-89	C9549	B33122	7.2	9.7	non-Rad	Cyanide	57-12-5	ug/kg	10/6/2015	126	--	--
UPR-200-E-89	C9549	B33122	7.2	9.7	non-Rad	Uranium	7440-61-1	ug/kg	10/6/2015	611	3,210	No
UPR-200-E-89	C9549	B33122	7.2	9.7	Rad	Uranium-233/234	U-233/234	pCi/g	10/6/2015	1.2	1.1	Yes
UPR-200-E-89	C9549	B33122	7.2	9.7	Rad	Uranium-238	U-238	pCi/g	10/6/2015	1.0	1.1	No
UPR-200-E-89	C9549	B33123	7.2	9.7	non-Rad	Fluoride	16984-48-8	ug/kg	10/6/2015	1,510	2,810	No
UPR-200-E-89	C9549	B33123	7.2	9.7	non-Rad	Nitrate	14797-55-8	ug/kg	10/6/2015	45,200	52,000	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Aluminum	7429-90-5	ug/kg	10/1/2015	6.58E+06	1.18E+07	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Antimony	7440-36-0	ug/kg	10/1/2015	1,650	130	Yes
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Arsenic	7440-38-2	ug/kg	10/1/2015	1,380	20,000	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Barium	7440-39-3	ug/kg	10/1/2015	87,300	132,000	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Beryllium	7440-41-7	ug/kg	10/1/2015	210	1,510	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Cadmium	7440-43-9	ug/kg	10/1/2015	156	563	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Chromium	7440-47-3	ug/kg	10/1/2015	12,200	18,500	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Cobalt	7440-48-4	ug/kg	10/1/2015	7,510	15,700	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Copper	7440-50-8	ug/kg	10/1/2015	14,200	22,000	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Lead	7439-92-1	ug/kg	10/1/2015	2,640	10,200	No

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Manganese	7439-96-5	ug/kg	10/1/2015	294,000	512,000	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Molybdenum	7439-98-7	ug/kg	10/1/2015	2,210	470	Yes
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Nickel	7440-02-0	ug/kg	10/1/2015	6,990	19,100	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Silver	7440-22-4	ug/kg	10/1/2015	268	167	Yes
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Uranium	7440-61-1	ug/kg	10/1/2015	482	3,210	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	Rad	Uranium-233/234	U-233/234	pCi/g	10/1/2015	0.72	1.1	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	Rad	Uranium-238	U-238	pCi/g	10/1/2015	0.99	1.1	No
UPR-200-E-89	C9550	B32195	8.2	10.7	non-Rad	Fluoride	16984-48-8	ug/kg	10/1/2015	1,760	2,810	No
UPR-200-E-89	C9550	B32195	8.2	10.7	non-Rad	Nitrate	14797-55-8	ug/kg	10/1/2015	11,400	52,000	No
UPR-200-W-99	299-W14-15	B0YVY5	0	0	Rad	Cesium-137	10045-97-3	pCi/g	8/22/2000	2.8	1.1	Yes
UPR-200-W-99	299-W14-15	B0YVY5	0	0	Rad	Strontium-90	10098-97-2	pCi/g	8/22/2000	0.43	0.18	Yes
UPR-200-W-99	299-W14-15	B0YVY5	0	0	Rad	Uranium-233/234	U-233/234	pCi/g	8/22/2000	0.47	1.1	No
UPR-200-W-99	299-W14-15	B0YVY5	0	0	Rad	Uranium-238	U-238	pCi/g	8/22/2000	0.57	1.1	No
UPR-200-W-99	299-W14-15	B0YVY6	6	10	Rad	Cesium-137	10045-97-3	pCi/g	8/22/2000	3.1	1.1	Yes
UPR-200-W-99	299-W14-15	B0YVY6	6	10	Rad	Strontium-90	10098-97-2	pCi/g	8/22/2000	7.2	0.18	Yes
UPR-200-W-99	299-W14-15	B0YVY6	6	10	Rad	Uranium-233/234	U-233/234	pCi/g	8/22/2000	0.55	1.1	No
UPR-200-W-99	299-W14-15	B0YVY7	0	0	non-Rad	2-Butanone	78-93-3	ug/kg	8/22/2000	1.0	--	--
UPR-200-W-99	299-W14-15	B0YVY7	0	0	non-Rad	Acetone	67-64-1	ug/kg	8/22/2000	6.0	--	--
UPR-200-W-99	299-W14-15	B0YVY7	0	0	non-Rad	Arsenic	7440-38-2	ug/kg	8/22/2000	3,300	20,000	No
UPR-200-W-99	299-W14-15	B0YVY7	0	0	non-Rad	Barium	7440-39-3	ug/kg	8/22/2000	79,100	132,000	No
UPR-200-W-99	299-W14-15	B0YVY7	0	0	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/22/2000	20	--	--
UPR-200-W-99	299-W14-15	B0YVY7	0	0	non-Rad	Cadmium	7440-43-9	ug/kg	8/22/2000	50	563	No
UPR-200-W-99	299-W14-15	B0YVY7	0	0	non-Rad	Chromium	7440-47-3	ug/kg	8/22/2000	8,300	18,500	No
UPR-200-W-99	299-W14-15	B0YVY7	0	0	non-Rad	Lead	7439-92-1	ug/kg	8/22/2000	5,800	10,200	No
UPR-200-W-99	299-W14-15	B0YVY7	0	0	non-Rad	Methylene chloride	75-09-2	ug/kg	8/22/2000	9.0	--	--
UPR-200-W-99	299-W14-15	B0YVY7	0	0	non-Rad	Nitrate	14797-55-8	ug/kg	8/22/2000	22,000	52,000	No
UPR-200-W-99	299-W14-15	B0YVY7	0	0	Rad	Plutonium-239/240	PU-239/240	pCi/g	8/22/2000	0.031	0.025	Yes
UPR-200-W-99	299-W14-15	B0YVY7	0	0	Rad	Uranium-238	U-238	pCi/g	8/22/2000	0.70	1.1	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	2-Chlorophenol	95-57-8	ug/kg	10/28/2002	23	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/28/2002	22	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Arsenic	7440-38-2	ug/kg	10/28/2002	1,100	20,000	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Barium	7440-39-3	ug/kg	10/28/2002	46,000	132,000	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Beryllium	7440-41-7	ug/kg	10/28/2002	290	1,510	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/28/2002	790	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	Rad	Carbon-14	14762-75-5	pCi/g	10/28/2002	3.3	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Chromium	7440-47-3	ug/kg	10/28/2002	11,200	18,500	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Copper	7440-50-8	ug/kg	10/28/2002	13,800	22,000	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/28/2002	740	--	--

Table 12. 200-IA-1 Operable Unit Background Comparison for Human Health Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Lead	7439-92-1	ug/kg	10/28/2002	2,100	10,200	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Manganese	7439-96-5	ug/kg	10/28/2002	310,000	512,000	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Methylene chloride	75-09-2	ug/kg	10/28/2002	12	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Molybdenum	7439-98-7	ug/kg	10/28/2002	480	470	Yes
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Nickel	7440-02-0	ug/kg	10/28/2002	12,500	19,100	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Nitrate	14797-55-8	ug/kg	10/28/2002	7,600	52,000	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/28/2002	19	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Phenol	108-95-2	ug/kg	10/28/2002	40	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Pyrene	129-00-0	ug/kg	10/28/2002	20	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Selenium	7782-49-2	ug/kg	10/28/2002	570	780	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Tin	7440-31-5	ug/kg	10/28/2002	1,700	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Total petroleum hydrocarbons	TPH	ug/kg	10/28/2002	24,200	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	Rad	Uranium-238	U-238	pCi/g	10/28/2002	0.45	1.1	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Vanadium	7440-62-2	ug/kg	10/28/2002	33,700	85,100	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Zinc	7440-66-6	ug/kg	10/28/2002	33,400	67,800	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	Rad	Americium-241	14596-10-2	pCi/g	5/12/2009	0.046	--	--
UPR-200-W-99	299-W14-20	B20KP2	0	10	non-Rad	Aroclor-1260	11096-82-5	ug/kg	5/12/2009	110	--	--
UPR-200-W-99	299-W14-20	B20KP2	0	10	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	5/12/2009	220	--	--
UPR-200-W-99	299-W14-20	B20KP2	0	10	Rad	Cesium-137	10045-97-3	pCi/g	5/12/2009	0.46	1.1	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	non-Rad	Chromium	7440-47-3	ug/kg	5/12/2009	7,560	18,500	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	non-Rad	Lead	7439-92-1	ug/kg	5/12/2009	4,890	10,200	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	non-Rad	Nickel	7440-02-0	ug/kg	5/12/2009	9,710	19,100	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	Rad	Uranium-233/234	U-233/234	pCi/g	5/12/2009	0.12	1.1	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	Rad	Uranium-235	15117-96-1	pCi/g	5/12/2009	0.014	0.11	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	Rad	Uranium-238	U-238	pCi/g	5/12/2009	0.11	1.1	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Aluminum	7429-90-5	ug/kg	2/19/2016	6.76E+06	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Antimony	7440-36-0	ug/kg	2/19/2016	140	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Arsenic	7440-38-2	ug/kg	2/19/2016	3,850	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Barium	7440-39-3	ug/kg	2/19/2016	57,100	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Boron	7440-42-8	ug/kg	2/19/2016	2,210	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Cadmium	7440-43-9	ug/kg	2/19/2016	65	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Chromium	7440-47-3	ug/kg	2/19/2016	8,800	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Cobalt	7440-48-4	ug/kg	2/19/2016	5,190	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Copper	7440-50-8	ug/kg	2/19/2016	8,350	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Fluoride	16984-48-8	ug/kg	2/19/2016	420	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Iron	7439-89-6	ug/kg	2/19/2016	1.52E+07	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Lead	7439-92-1	ug/kg	2/19/2016	4,720	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Lithium	7439-93-2	ug/kg	2/19/2016	10,100	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Manganese	7439-96-5	ug/kg	2/19/2016	265,000	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Mercury	7439-97-6	ug/kg	2/19/2016	3.4	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Nickel	7440-02-0	ug/kg	2/19/2016	8,030	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Nitrate	14797-55-8	ug/kg	2/19/2016	7,700	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Selenium	7782-49-2	ug/kg	2/19/2016	430	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Silver	7440-22-4	ug/kg	2/19/2016	48	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Strontium	7440-24-6	ug/kg	2/19/2016	28,800	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Thallium	7440-28-0	ug/kg	2/19/2016	57	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Vanadium	7440-62-2	ug/kg	2/19/2016	31,900	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Zinc	7440-66-6	ug/kg	2/19/2016	32,600	--	--
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Zirconium	7440-67-7	ug/kg	2/19/2016	7,490	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Aluminum	7429-90-5	ug/kg	2/22/2016	8.85E+06	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Antimony	7440-36-0	ug/kg	2/22/2016	78	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Arsenic	7440-38-2	ug/kg	2/22/2016	2,720	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Barium	7440-39-3	ug/kg	2/22/2016	50,900	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Boron	7440-42-8	ug/kg	2/22/2016	1,840	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Cadmium	7440-43-9	ug/kg	2/22/2016	38	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Chromium	7440-47-3	ug/kg	2/22/2016	10,700	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Cobalt	7440-48-4	ug/kg	2/22/2016	5,030	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Copper	7440-50-8	ug/kg	2/22/2016	10,300	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Fluoride	16984-48-8	ug/kg	2/22/2016	610	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Iron	7439-89-6	ug/kg	2/22/2016	1.37E+07	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Lead	7439-92-1	ug/kg	2/22/2016	3,040	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Lithium	7439-93-2	ug/kg	2/22/2016	5,980	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Manganese	7439-96-5	ug/kg	2/22/2016	198,000	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Mercury	7439-97-6	ug/kg	2/22/2016	1.5	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Molybdenum	7439-98-7	ug/kg	2/22/2016	897	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Nickel	7440-02-0	ug/kg	2/22/2016	8,600	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Nitrate	14797-55-8	ug/kg	2/22/2016	2,890	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Nitrite	14797-65-0	ug/kg	2/22/2016	850	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Selenium	7782-49-2	ug/kg	2/22/2016	434	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Silver	7440-22-4	ug/kg	2/22/2016	30	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Strontium	7440-24-6	ug/kg	2/22/2016	26,400	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Thallium	7440-28-0	ug/kg	2/22/2016	46	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Vanadium	7440-62-2	ug/kg	2/22/2016	34,500	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Zinc	7440-66-6	ug/kg	2/22/2016	25,200	--	--
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Zirconium	7440-67-7	ug/kg	2/22/2016	9,300	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Aluminum	7429-90-5	ug/kg	2/22/2016	7.03E+06	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Antimony	7440-36-0	ug/kg	2/22/2016	112	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Arsenic	7440-38-2	ug/kg	2/22/2016	3,410	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Barium	7440-39-3	ug/kg	2/22/2016	64,700	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Boron	7440-42-8	ug/kg	2/22/2016	2,630	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Cadmium	7440-43-9	ug/kg	2/22/2016	75	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Chromium	7440-47-3	ug/kg	2/22/2016	12,500	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Cobalt	7440-48-4	ug/kg	2/22/2016	5,850	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Copper	7440-50-8	ug/kg	2/22/2016	10,700	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Fluoride	16984-48-8	ug/kg	2/22/2016	570	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Iron	7439-89-6	ug/kg	2/22/2016	1.71E+07	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Lead	7439-92-1	ug/kg	2/22/2016	3,690	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Lithium	7439-93-2	ug/kg	2/22/2016	9,010	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Manganese	7439-96-5	ug/kg	2/22/2016	260,000	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Mercury	7439-97-6	ug/kg	2/22/2016	3.8	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Nickel	7440-02-0	ug/kg	2/22/2016	12,000	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Nitrate	14797-55-8	ug/kg	2/22/2016	11,000	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Nitrite	14797-65-0	ug/kg	2/22/2016	890	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Selenium	7782-49-2	ug/kg	2/22/2016	522	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Silver	7440-22-4	ug/kg	2/22/2016	39	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Strontium	7440-24-6	ug/kg	2/22/2016	30,900	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Thallium	7440-28-0	ug/kg	2/22/2016	49	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Vanadium	7440-62-2	ug/kg	2/22/2016	42,500	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Zinc	7440-66-6	ug/kg	2/22/2016	34,200	--	--
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Zirconium	7440-67-7	ug/kg	2/22/2016	10,100	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Aluminum	7429-90-5	ug/kg	2/19/2016	6.57E+06	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Antimony	7440-36-0	ug/kg	2/19/2016	171	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Arsenic	7440-38-2	ug/kg	2/19/2016	3,620	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Barium	7440-39-3	ug/kg	2/19/2016	67,000	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Boron	7440-42-8	ug/kg	2/19/2016	2,790	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Cadmium	7440-43-9	ug/kg	2/19/2016	64	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Chromium	7440-47-3	ug/kg	2/19/2016	9,570	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Cobalt	7440-48-4	ug/kg	2/19/2016	7,410	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Copper	7440-50-8	ug/kg	2/19/2016	10,100	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Fluoride	16984-48-8	ug/kg	2/19/2016	640	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Iron	7439-89-6	ug/kg	2/19/2016	1.63E+07	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Lead	7439-92-1	ug/kg	2/19/2016	3,650	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Lithium	7439-93-2	ug/kg	2/19/2016	9,050	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Manganese	7439-96-5	ug/kg	2/19/2016	375,000	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Mercury	7439-97-6	ug/kg	2/19/2016	2.1	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Nickel	7440-02-0	ug/kg	2/19/2016	8,960	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Nitrate	14797-55-8	ug/kg	2/19/2016	4,990	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Nitrite	14797-65-0	ug/kg	2/19/2016	760	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Selenium	7782-49-2	ug/kg	2/19/2016	509	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Silver	7440-22-4	ug/kg	2/19/2016	58	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Strontium	7440-24-6	ug/kg	2/19/2016	31,200	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Thallium	7440-28-0	ug/kg	2/19/2016	52	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Vanadium	7440-62-2	ug/kg	2/19/2016	37,400	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Zinc	7440-66-6	ug/kg	2/19/2016	32,600	--	--
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Zirconium	7440-67-7	ug/kg	2/19/2016	8,740	--	--
200-E-115	C7680	B26JL8	0	1	non-Rad	Styrene	100-42-5	ug/kg	8/26/2010	0.31	--	--
200-E-115	C7680	B26JL8	0	1	non-Rad	Toluene	108-88-3	ug/kg	8/26/2010	0.27	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7680	B26JK9	0	1	non-Rad	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/26/2010	7.40E-04	--	--
200-E-115	C7680	B26JK9	0	1	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/26/2010	0.0010	--	--
200-E-115	C7680	B26JK9	0	1	non-Rad	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/26/2010	0.0015	--	--
200-E-115	C7680	B26JK9	0	1	non-Rad	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/26/2010	4.30E-04	--	--
200-E-115	C7680	B26JK9	0	1	non-Rad	Nitrate	14797-55-8	ug/kg	8/26/2010	11,500	52,000	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Aluminum	7429-90-5	ug/kg	8/26/2010	7.31E+06	1.18E+07	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Antimony	7440-36-0	ug/kg	8/26/2010	214	130	Yes
200-E-115	C7680	B26JK8	0	1	non-Rad	Arsenic	7440-38-2	ug/kg	8/26/2010	4,920	20,000	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Barium	7440-39-3	ug/kg	8/26/2010	77,700	132,000	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Beryllium	7440-41-7	ug/kg	8/26/2010	190	1,510	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Cadmium	7440-43-9	ug/kg	8/26/2010	85	563	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Chromium	7440-47-3	ug/kg	8/26/2010	9,090	18,500	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Cobalt	7440-48-4	ug/kg	8/26/2010	8,140	15,700	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Copper	7440-50-8	ug/kg	8/26/2010	11,300	22,000	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Fluoride	16984-48-8	ug/kg	8/26/2010	846	2,810	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Iron	7439-89-6	ug/kg	8/26/2010	2.23E+07	3.26E+07	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Lead	7439-92-1	ug/kg	8/26/2010	5,330	10,200	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Lithium	7439-93-2	ug/kg	8/26/2010	7,810	13,300	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Manganese	7439-96-5	ug/kg	8/26/2010	332,000	512,000	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Nickel	7440-02-0	ug/kg	8/26/2010	11,100	19,100	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Nitrite	14797-65-0	ug/kg	8/26/2010	232	--	--
200-E-115	C7680	B26JK8	0	1	non-Rad	Selenium	7782-49-2	ug/kg	8/26/2010	615	780	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Silver	7440-22-4	ug/kg	8/26/2010	67	167	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Strontium	7440-24-6	ug/kg	8/26/2010	32,600	--	--
200-E-115	C7680	B26JK8	0	1	non-Rad	Thallium	7440-28-0	ug/kg	8/26/2010	80	185	No
200-E-115	C7680	B26JK8	0	1	Rad	Tritium	10028-17-8	pCi/g	8/26/2010	45	--	--
200-E-115	C7680	B26JK8	0	1	non-Rad	Tungsten	7440-33-7	ug/kg	8/26/2010	39,500	--	--
200-E-115	C7680	B26JK8	0	1	non-Rad	Vanadium	7440-62-2	ug/kg	8/26/2010	53,400	85,100	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Zinc	7440-66-6	ug/kg	8/26/2010	43,000	67,800	No
200-E-115	C7680	B26JK8	0	1	non-Rad	Zirconium	7440-67-7	ug/kg	8/26/2010	12,800	--	--
200-E-115	C7680	B26C41	142	144	non-Rad	Toluene	108-88-3	ug/kg	9/1/2010	0.30	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Aluminum	7429-90-5	ug/kg	9/1/2010	5.39E+06	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Antimony	7440-36-0	ug/kg	9/1/2010	127	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Arsenic	7440-38-2	ug/kg	9/1/2010	2,550	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7680	B26C40	142	144	non-Rad	Barium	7440-39-3	ug/kg	9/1/2010	57,000	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Beryllium	7440-41-7	ug/kg	9/1/2010	112	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Cadmium	7440-43-9	ug/kg	9/1/2010	69	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Chromium	7440-47-3	ug/kg	9/1/2010	11,000	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Cobalt	7440-48-4	ug/kg	9/1/2010	4,940	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Copper	7440-50-8	ug/kg	9/1/2010	9,370	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Fluoride	16984-48-8	ug/kg	9/1/2010	566	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Iron	7439-89-6	ug/kg	9/1/2010	1.57E+07	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Lead	7439-92-1	ug/kg	9/1/2010	4,590	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Lithium	7439-93-2	ug/kg	9/1/2010	6,940	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Manganese	7439-96-5	ug/kg	9/1/2010	250,000	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Nickel	7440-02-0	ug/kg	9/1/2010	8,650	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Nitrate	14797-55-8	ug/kg	9/1/2010	15,200	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Nitrite	14797-65-0	ug/kg	9/1/2010	808	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Selenium	7782-49-2	ug/kg	9/1/2010	438	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Silver	7440-22-4	ug/kg	9/1/2010	45	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Strontium	7440-24-6	ug/kg	9/1/2010	24,900	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Thallium	7440-28-0	ug/kg	9/1/2010	91	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Vanadium	7440-62-2	ug/kg	9/1/2010	35,100	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Zinc	7440-66-6	ug/kg	9/1/2010	29,800	--	--
200-E-115	C7680	B26C40	142	144	non-Rad	Zirconium	7440-67-7	ug/kg	9/1/2010	8,670	--	--
200-E-115	C7680	B26C39	116	118	non-Rad	Styrene	100-42-5	ug/kg	9/1/2010	0.30	--	--
200-E-115	C7680	B26C39	116	118	non-Rad	Toluene	108-88-3	ug/kg	9/1/2010	0.27	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Aluminum	7429-90-5	ug/kg	9/1/2010	6.18E+06	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Antimony	7440-36-0	ug/kg	9/1/2010	157	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Arsenic	7440-38-2	ug/kg	9/1/2010	3,470	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Barium	7440-39-3	ug/kg	9/1/2010	58,600	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Beryllium	7440-41-7	ug/kg	9/1/2010	176	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/1/2010	5,620	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Cadmium	7440-43-9	ug/kg	9/1/2010	63	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Chromium	7440-47-3	ug/kg	9/1/2010	17,300	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Cobalt	7440-48-4	ug/kg	9/1/2010	5,740	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Copper	7440-50-8	ug/kg	9/1/2010	9,040	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Fluoride	16984-48-8	ug/kg	9/1/2010	648	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7680	B26C38	116	118	non-Rad	Iron	7439-89-6	ug/kg	9/1/2010	1.60E+07	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Lead	7439-92-1	ug/kg	9/1/2010	3,790	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Lithium	7439-93-2	ug/kg	9/1/2010	8,660	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Manganese	7439-96-5	ug/kg	9/1/2010	267,000	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Nickel	7440-02-0	ug/kg	9/1/2010	14,700	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Nitrate	14797-55-8	ug/kg	9/1/2010	5,900	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Nitrite	14797-65-0	ug/kg	9/1/2010	437	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Selenium	7782-49-2	ug/kg	9/1/2010	469	--	--
200-E-115	C7680	B26C38	116	118	Rad	Selenium-79	15758-45-9	pCi/g	9/1/2010	2.2	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Silver	7440-22-4	ug/kg	9/1/2010	44	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Strontium	7440-24-6	ug/kg	9/1/2010	29,400	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Thallium	7440-28-0	ug/kg	9/1/2010	54	--	--
200-E-115	C7680	B26C38	116	118	Rad	Tritium	10028-17-8	pCi/g	9/1/2010	53	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Vanadium	7440-62-2	ug/kg	9/1/2010	31,000	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Zinc	7440-66-6	ug/kg	9/1/2010	32,000	--	--
200-E-115	C7680	B26C38	116	118	non-Rad	Zirconium	7440-67-7	ug/kg	9/1/2010	6,470	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Aluminum	7429-90-5	ug/kg	9/1/2010	7.90E+06	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Antimony	7440-36-0	ug/kg	9/1/2010	189	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Arsenic	7440-38-2	ug/kg	9/1/2010	4,520	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Barium	7440-39-3	ug/kg	9/1/2010	87,200	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Beryllium	7440-41-7	ug/kg	9/1/2010	215	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/1/2010	1,010	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Cadmium	7440-43-9	ug/kg	9/1/2010	58	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Chromium	7440-47-3	ug/kg	9/1/2010	28,700	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Cobalt	7440-48-4	ug/kg	9/1/2010	6,650	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Copper	7440-50-8	ug/kg	9/1/2010	10,000	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Fluoride	16984-48-8	ug/kg	9/1/2010	733	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Iron	7439-89-6	ug/kg	9/1/2010	1.78E+07	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Lead	7439-92-1	ug/kg	9/1/2010	3,740	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Lithium	7439-93-2	ug/kg	9/1/2010	10,500	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Manganese	7439-96-5	ug/kg	9/1/2010	332,000	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Nickel	7440-02-0	ug/kg	9/1/2010	18,200	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Nitrate	14797-55-8	ug/kg	9/1/2010	6,020	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Nitrite	14797-65-0	ug/kg	9/1/2010	712	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7680	B26C36	92	94	non-Rad	Selenium	7782-49-2	ug/kg	9/1/2010	345	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Silver	7440-22-4	ug/kg	9/1/2010	46	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Strontium	7440-24-6	ug/kg	9/1/2010	37,700	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Thallium	7440-28-0	ug/kg	9/1/2010	62	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Vanadium	7440-62-2	ug/kg	9/1/2010	35,600	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Zinc	7440-66-6	ug/kg	9/1/2010	38,600	--	--
200-E-115	C7680	B26C36	92	94	non-Rad	Zirconium	7440-67-7	ug/kg	9/1/2010	7,280	--	--
200-E-115	C7680	B26C35	43	45	non-Rad	Styrene	100-42-5	ug/kg	8/31/2010	0.34	--	--
200-E-115	C7680	B26C35	43	45	non-Rad	Toluene	108-88-3	ug/kg	8/31/2010	0.37	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Aluminum	7429-90-5	ug/kg	8/31/2010	7.52E+06	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/31/2010	220	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Antimony	7440-36-0	ug/kg	8/31/2010	124	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Arsenic	7440-38-2	ug/kg	8/31/2010	2,850	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Barium	7440-39-3	ug/kg	8/31/2010	62,400	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Beryllium	7440-41-7	ug/kg	8/31/2010	171	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Cadmium	7440-43-9	ug/kg	8/31/2010	64	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Chromium	7440-47-3	ug/kg	8/31/2010	21,500	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Cobalt	7440-48-4	ug/kg	8/31/2010	7,230	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Copper	7440-50-8	ug/kg	8/31/2010	12,300	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Fluoride	16984-48-8	ug/kg	8/31/2010	908	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Iron	7439-89-6	ug/kg	8/31/2010	1.91E+07	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Lead	7439-92-1	ug/kg	8/31/2010	3,620	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Lithium	7439-93-2	ug/kg	8/31/2010	8,380	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Manganese	7439-96-5	ug/kg	8/31/2010	298,000	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Nickel	7440-02-0	ug/kg	8/31/2010	18,000	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Nitrate	14797-55-8	ug/kg	8/31/2010	9,550	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Nitrite	14797-65-0	ug/kg	8/31/2010	715	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Selenium	7782-49-2	ug/kg	8/31/2010	467	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Silver	7440-22-4	ug/kg	8/31/2010	53	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Strontium	7440-24-6	ug/kg	8/31/2010	33,700	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Thallium	7440-28-0	ug/kg	8/31/2010	70	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Vanadium	7440-62-2	ug/kg	8/31/2010	43,100	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Zinc	7440-66-6	ug/kg	8/31/2010	35,800	--	--
200-E-115	C7680	B26C34	43	45	non-Rad	Zirconium	7440-67-7	ug/kg	8/31/2010	10,900	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7680	B26C33	17	19	non-Rad	Styrene	100-42-5	ug/kg	8/29/2010	0.35	--	--
200-E-115	C7680	B26C33	17	19	non-Rad	Toluene	108-88-3	ug/kg	8/29/2010	0.42	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Aluminum	7429-90-5	ug/kg	8/29/2010	7.31E+06	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Antimony	7440-36-0	ug/kg	8/29/2010	125	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Arsenic	7440-38-2	ug/kg	8/29/2010	2,900	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Barium	7440-39-3	ug/kg	8/29/2010	84,800	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Beryllium	7440-41-7	ug/kg	8/29/2010	161	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Cadmium	7440-43-9	ug/kg	8/29/2010	61	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Chromium	7440-47-3	ug/kg	8/29/2010	22,800	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Cobalt	7440-48-4	ug/kg	8/29/2010	10,600	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Copper	7440-50-8	ug/kg	8/29/2010	10,600	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Fluoride	16984-48-8	ug/kg	8/29/2010	1,860	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Iron	7439-89-6	ug/kg	8/29/2010	2.49E+07	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Lead	7439-92-1	ug/kg	8/29/2010	3,760	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Lithium	7439-93-2	ug/kg	8/29/2010	7,290	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Manganese	7439-96-5	ug/kg	8/29/2010	409,000	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Nickel	7440-02-0	ug/kg	8/29/2010	14,600	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Nitrate	14797-55-8	ug/kg	8/29/2010	7,060	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Nitrite	14797-65-0	ug/kg	8/29/2010	684	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Selenium	7782-49-2	ug/kg	8/29/2010	540	--	--
200-E-115	C7680	B26C32	17	19	Rad	Selenium-79	15758-45-9	pCi/g	8/29/2010	6.2	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Silver	7440-22-4	ug/kg	8/29/2010	57	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Strontium	7440-24-6	ug/kg	8/29/2010	35,900	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Thallium	7440-28-0	ug/kg	8/29/2010	82	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Vanadium	7440-62-2	ug/kg	8/29/2010	71,200	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Zinc	7440-66-6	ug/kg	8/29/2010	42,000	--	--
200-E-115	C7680	B26C32	17	19	non-Rad	Zirconium	7440-67-7	ug/kg	8/29/2010	15,700	--	--
200-E-115	C7680	B26C31	14	16	non-Rad	Styrene	100-42-5	ug/kg	8/29/2010	0.27	--	--
200-E-115	C7680	B26C31	14	16	non-Rad	Toluene	108-88-3	ug/kg	8/29/2010	0.60	--	--
200-E-115	C7680	B26C30	14	16	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/29/2010	5.10E-04	--	--
200-E-115	C7680	B26C30	14	16	non-Rad	Aluminum	7429-90-5	ug/kg	8/29/2010	6.93E+06	1.18E+07	No
200-E-115	C7680	B26C30	14	16	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/29/2010	260	--	--
200-E-115	C7680	B26C30	14	16	non-Rad	Antimony	7440-36-0	ug/kg	8/29/2010	111	130	No
200-E-115	C7680	B26C30	14	16	non-Rad	Arsenic	7440-38-2	ug/kg	8/29/2010	2,950	20,000	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7680	B26C30	14	16	non-Rad	Barium	7440-39-3	ug/kg	8/29/2010	89,700	132,000	No
200-E-115	C7680	B26C30	14	16	non-Rad	Beryllium	7440-41-7	ug/kg	8/29/2010	136	1,510	No
200-E-115	C7680	B26C30	14	16	non-Rad	Cadmium	7440-43-9	ug/kg	8/29/2010	66	563	No
200-E-115	C7680	B26C30	14	16	non-Rad	Chromium	7440-47-3	ug/kg	8/29/2010	26,800	18,500	Yes
200-E-115	C7680	B26C30	14	16	non-Rad	Cobalt	7440-48-4	ug/kg	8/29/2010	10,300	15,700	No
200-E-115	C7680	B26C30	14	16	non-Rad	Copper	7440-50-8	ug/kg	8/29/2010	11,200	22,000	No
200-E-115	C7680	B26C30	14	16	non-Rad	Fluoride	16984-48-8	ug/kg	8/29/2010	1,500	2,810	No
200-E-115	C7680	B26C30	14	16	non-Rad	Iron	7439-89-6	ug/kg	8/29/2010	2.68E+07	3.26E+07	No
200-E-115	C7680	B26C30	14	16	non-Rad	Lead	7439-92-1	ug/kg	8/29/2010	3,370	10,200	No
200-E-115	C7680	B26C30	14	16	non-Rad	Lithium	7439-93-2	ug/kg	8/29/2010	6,800	13,300	No
200-E-115	C7680	B26C30	14	16	non-Rad	Manganese	7439-96-5	ug/kg	8/29/2010	424,000	512,000	No
200-E-115	C7680	B26C30	14	16	non-Rad	Nickel	7440-02-0	ug/kg	8/29/2010	18,300	19,100	No
200-E-115	C7680	B26C30	14	16	non-Rad	Nitrate	14797-55-8	ug/kg	8/29/2010	7,740	52,000	No
200-E-115	C7680	B26C30	14	16	non-Rad	Nitrite	14797-65-0	ug/kg	8/29/2010	1,120	--	--
200-E-115	C7680	B26C30	14	16	non-Rad	Selenium	7782-49-2	ug/kg	8/29/2010	602	780	No
200-E-115	C7680	B26C30	14	16	non-Rad	Silver	7440-22-4	ug/kg	8/29/2010	62	167	No
200-E-115	C7680	B26C30	14	16	non-Rad	Strontium	7440-24-6	ug/kg	8/29/2010	35,100	--	--
200-E-115	C7680	B26C30	14	16	non-Rad	Thallium	7440-28-0	ug/kg	8/29/2010	77	185	No
200-E-115	C7680	B26C30	14	16	non-Rad	Vanadium	7440-62-2	ug/kg	8/29/2010	75,100	85,100	No
200-E-115	C7680	B26C30	14	16	non-Rad	Zinc	7440-66-6	ug/kg	8/29/2010	42,800	67,800	No
200-E-115	C7680	B26C30	14	16	non-Rad	Zirconium	7440-67-7	ug/kg	8/29/2010	18,700	--	--
200-E-115	C7680	B26C28	10	12	non-Rad	Aluminum	7429-90-5	ug/kg	8/29/2010	4.59E+06	1.18E+07	No
200-E-115	C7680	B26C28	10	12	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/29/2010	230	--	--
200-E-115	C7680	B26C28	10	12	non-Rad	Antimony	7440-36-0	ug/kg	8/29/2010	78	130	No
200-E-115	C7680	B26C28	10	12	non-Rad	Arsenic	7440-38-2	ug/kg	8/29/2010	3,030	20,000	No
200-E-115	C7680	B26C28	10	12	non-Rad	Barium	7440-39-3	ug/kg	8/29/2010	75,900	132,000	No
200-E-115	C7680	B26C28	10	12	non-Rad	Cadmium	7440-43-9	ug/kg	8/29/2010	70	563	No
200-E-115	C7680	B26C28	10	12	non-Rad	Chromium	7440-47-3	ug/kg	8/29/2010	5,340	18,500	No
200-E-115	C7680	B26C28	10	12	non-Rad	Cobalt	7440-48-4	ug/kg	8/29/2010	11,300	15,700	No
200-E-115	C7680	B26C28	10	12	non-Rad	Copper	7440-50-8	ug/kg	8/29/2010	13,500	22,000	No
200-E-115	C7680	B26C28	10	12	non-Rad	Fluoride	16984-48-8	ug/kg	8/29/2010	372	2,810	No
200-E-115	C7680	B26C28	10	12	non-Rad	Iron	7439-89-6	ug/kg	8/29/2010	3.12E+07	3.26E+07	No
200-E-115	C7680	B26C28	10	12	non-Rad	Lead	7439-92-1	ug/kg	8/29/2010	2,460	10,200	No
200-E-115	C7680	B26C28	10	12	non-Rad	Lithium	7439-93-2	ug/kg	8/29/2010	3,560	13,300	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7680	B26C28	10	12	non-Rad	Manganese	7439-96-5	ug/kg	8/29/2010	387,000	512,000	No
200-E-115	C7680	B26C28	10	12	non-Rad	Nickel	7440-02-0	ug/kg	8/29/2010	6,610	19,100	No
200-E-115	C7680	B26C28	10	12	non-Rad	Nitrate	14797-55-8	ug/kg	8/29/2010	2,750	52,000	No
200-E-115	C7680	B26C28	10	12	non-Rad	Nitrite	14797-65-0	ug/kg	8/29/2010	613	--	--
200-E-115	C7680	B26C28	10	12	non-Rad	Selenium	7782-49-2	ug/kg	8/29/2010	965	780	Yes
200-E-115	C7680	B26C28	10	12	Rad	Selenium-79	15758-45-9	pCi/g	8/29/2010	2.6	--	--
200-E-115	C7680	B26C28	10	12	non-Rad	Silver	7440-22-4	ug/kg	8/29/2010	59	167	No
200-E-115	C7680	B26C28	10	12	non-Rad	Strontium	7440-24-6	ug/kg	8/29/2010	20,200	--	--
200-E-115	C7680	B26C28	10	12	non-Rad	Thallium	7440-28-0	ug/kg	8/29/2010	55	185	No
200-E-115	C7680	B26C28	10	12	non-Rad	Vanadium	7440-62-2	ug/kg	8/29/2010	82,600	85,100	No
200-E-115	C7680	B26C28	10	12	non-Rad	Zinc	7440-66-6	ug/kg	8/29/2010	53,000	67,800	No
200-E-115	C7680	B26C28	10	12	non-Rad	Zirconium	7440-67-7	ug/kg	8/29/2010	19,300	--	--
200-E-115	C7680	B26C27	5	7	non-Rad	Styrene	100-42-5	ug/kg	8/27/2010	0.33	--	--
200-E-115	C7680	B26C27	5	7	non-Rad	Toluene	108-88-3	ug/kg	8/27/2010	0.39	--	--
200-E-115	C7680	B26C26	5	7	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/27/2010	5.00E-04	--	--
200-E-115	C7680	B26C26	5	7	non-Rad	Aluminum	7429-90-5	ug/kg	8/27/2010	7.73E+06	1.18E+07	No
200-E-115	C7680	B26C26	5	7	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/27/2010	210	--	--
200-E-115	C7680	B26C26	5	7	non-Rad	Antimony	7440-36-0	ug/kg	8/27/2010	202	130	Yes
200-E-115	C7680	B26C26	5	7	non-Rad	Arsenic	7440-38-2	ug/kg	8/27/2010	3,670	20,000	No
200-E-115	C7680	B26C26	5	7	non-Rad	Barium	7440-39-3	ug/kg	8/27/2010	80,600	132,000	No
200-E-115	C7680	B26C26	5	7	non-Rad	Beryllium	7440-41-7	ug/kg	8/27/2010	199	1,510	No
200-E-115	C7680	B26C26	5	7	non-Rad	Cadmium	7440-43-9	ug/kg	8/27/2010	88	563	No
200-E-115	C7680	B26C26	5	7	non-Rad	Chromium	7440-47-3	ug/kg	8/27/2010	10,100	18,500	No
200-E-115	C7680	B26C26	5	7	non-Rad	Cobalt	7440-48-4	ug/kg	8/27/2010	7,990	15,700	No
200-E-115	C7680	B26C26	5	7	non-Rad	Copper	7440-50-8	ug/kg	8/27/2010	9,970	22,000	No
200-E-115	C7680	B26C26	5	7	non-Rad	Fluoride	16984-48-8	ug/kg	8/27/2010	1,070	2,810	No
200-E-115	C7680	B26C26	5	7	non-Rad	Iron	7439-89-6	ug/kg	8/27/2010	2.22E+07	3.26E+07	No
200-E-115	C7680	B26C26	5	7	non-Rad	Lead	7439-92-1	ug/kg	8/27/2010	5,150	10,200	No
200-E-115	C7680	B26C26	5	7	non-Rad	Lithium	7439-93-2	ug/kg	8/27/2010	7,230	13,300	No
200-E-115	C7680	B26C26	5	7	non-Rad	Manganese	7439-96-5	ug/kg	8/27/2010	346,000	512,000	No
200-E-115	C7680	B26C26	5	7	non-Rad	Nickel	7440-02-0	ug/kg	8/27/2010	8,650	19,100	No
200-E-115	C7680	B26C26	5	7	non-Rad	Nitrate	14797-55-8	ug/kg	8/27/2010	11,200	52,000	No
200-E-115	C7680	B26C26	5	7	non-Rad	Nitrite	14797-65-0	ug/kg	8/27/2010	736	--	--
200-E-115	C7680	B26C26	5	7	non-Rad	Selenium	7782-49-2	ug/kg	8/27/2010	523	780	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7680	B26C26	5	7	Rad	Selenium-79	15758-45-9	pCi/g	8/27/2010	2.2	--	--
200-E-115	C7680	B26C26	5	7	non-Rad	Silver	7440-22-4	ug/kg	8/27/2010	62	167	No
200-E-115	C7680	B26C26	5	7	non-Rad	Strontium	7440-24-6	ug/kg	8/27/2010	23,700	--	--
200-E-115	C7680	B26C26	5	7	non-Rad	Thallium	7440-28-0	ug/kg	8/27/2010	83	185	No
200-E-115	C7680	B26C26	5	7	non-Rad	Vanadium	7440-62-2	ug/kg	8/27/2010	52,300	85,100	No
200-E-115	C7680	B26C26	5	7	non-Rad	Zinc	7440-66-6	ug/kg	8/27/2010	42,400	67,800	No
200-E-115	C7680	B26C26	5	7	non-Rad	Zirconium	7440-67-7	ug/kg	8/27/2010	14,300	--	--
200-E-115	C7682	B26JM0	0	1	non-Rad	Styrene	100-42-5	ug/kg	8/17/2010	0.43	--	--
200-E-115	C7682	B26JM0	0	1	non-Rad	Toluene	108-88-3	ug/kg	8/17/2010	0.39	--	--
200-E-115	C7682	B26JL1	0	1	non-Rad	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/17/2010	0.0012	--	--
200-E-115	C7682	B26JL1	0	1	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/17/2010	0.0032	--	--
200-E-115	C7682	B26JL1	0	1	non-Rad	Aluminum	7429-90-5	ug/kg	8/17/2010	6.10E+06	1.18E+07	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Antimony	7440-36-0	ug/kg	8/17/2010	218	130	Yes
200-E-115	C7682	B26JL1	0	1	non-Rad	Arsenic	7440-38-2	ug/kg	8/17/2010	7,000	20,000	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Barium	7440-39-3	ug/kg	8/17/2010	82,200	132,000	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Beryllium	7440-41-7	ug/kg	8/17/2010	212	1,510	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Chromium	7440-47-3	ug/kg	8/17/2010	7,550	18,500	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Cobalt	7440-48-4	ug/kg	8/17/2010	7,850	15,700	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Copper	7440-50-8	ug/kg	8/17/2010	11,800	22,000	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Fluoride	16984-48-8	ug/kg	8/17/2010	2,100	2,810	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Iron	7439-89-6	ug/kg	8/17/2010	1.63E+07	3.26E+07	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Lead	7439-92-1	ug/kg	8/17/2010	7,000	10,200	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Lithium	7439-93-2	ug/kg	8/17/2010	8,010	13,300	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Manganese	7439-96-5	ug/kg	8/17/2010	332,000	512,000	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Nickel	7440-02-0	ug/kg	8/17/2010	9,610	19,100	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Nitrate	14797-55-8	ug/kg	8/17/2010	54,600	52,000	Yes
200-E-115	C7682	B26JL1	0	1	non-Rad	Nitrite	14797-65-0	ug/kg	8/17/2010	1,210	--	--
200-E-115	C7682	B26JL1	0	1	non-Rad	Selenium	7782-49-2	ug/kg	8/17/2010	1,000	780	Yes
200-E-115	C7682	B26JL1	0	1	non-Rad	Strontium	7440-24-6	ug/kg	8/17/2010	30,500	--	--
200-E-115	C7682	B26JL1	0	1	non-Rad	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/17/2010	12,000	--	--
200-E-115	C7682	B26JL1	0	1	Rad	Tritium	10028-17-8	pCi/g	8/17/2010	1.7	--	--
200-E-115	C7682	B26JL1	0	1	non-Rad	Vanadium	7440-62-2	ug/kg	8/17/2010	27,000	85,100	No
200-E-115	C7682	B26JL1	0	1	non-Rad	Zinc	7440-66-6	ug/kg	8/17/2010	36,400	67,800	No
200-E-115	C7682	B26JL0	0	1	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/17/2010	230	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7682	B26JL0	0	1	non-Rad	Cadmium	7440-43-9	ug/kg	8/17/2010	100	563	No
200-E-115	C7682	B26JL0	0	1	non-Rad	Zirconium	7440-67-7	ug/kg	8/17/2010	9,310	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Aluminum	7429-90-5	ug/kg	8/25/2010	5.55E+06	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Antimony	7440-36-0	ug/kg	8/25/2010	181	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Arsenic	7440-38-2	ug/kg	8/25/2010	3,000	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Barium	7440-39-3	ug/kg	8/25/2010	61,100	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Beryllium	7440-41-7	ug/kg	8/25/2010	148	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Cadmium	7440-43-9	ug/kg	8/25/2010	116	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Chromium	7440-47-3	ug/kg	8/25/2010	12,200	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Cobalt	7440-48-4	ug/kg	8/25/2010	4,500	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Copper	7440-50-8	ug/kg	8/25/2010	9,330	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Fluoride	16984-48-8	ug/kg	8/25/2010	825	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Iron	7439-89-6	ug/kg	8/25/2010	1.42E+07	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Lead	7439-92-1	ug/kg	8/25/2010	8,570	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Lithium	7439-93-2	ug/kg	8/25/2010	8,630	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Manganese	7439-96-5	ug/kg	8/25/2010	251,000	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Nickel	7440-02-0	ug/kg	8/25/2010	12,100	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Nitrate	14797-55-8	ug/kg	8/25/2010	5,850	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Nitrite	14797-65-0	ug/kg	8/25/2010	276	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Selenium	7782-49-2	ug/kg	8/25/2010	1,000	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Strontium	7440-24-6	ug/kg	8/25/2010	29,300	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Thallium	7440-28-0	ug/kg	8/25/2010	134	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Vanadium	7440-62-2	ug/kg	8/25/2010	25,600	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Zinc	7440-66-6	ug/kg	8/25/2010	30,900	--	--
200-E-115	C7682	B26C61	122	124	non-Rad	Zirconium	7440-67-7	ug/kg	8/25/2010	6,380	--	--
200-E-115	C7682	B26C60	88	90	non-Rad	Styrene	100-42-5	ug/kg	8/24/2010	0.42	--	--
200-E-115	C7682	B26C60	88	90	non-Rad	Toluene	108-88-3	ug/kg	8/24/2010	0.44	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Aluminum	7429-90-5	ug/kg	8/24/2010	6.36E+06	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Antimony	7440-36-0	ug/kg	8/24/2010	170	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Arsenic	7440-38-2	ug/kg	8/24/2010	4,000	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Barium	7440-39-3	ug/kg	8/24/2010	64,300	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Beryllium	7440-41-7	ug/kg	8/24/2010	160	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Chromium	7440-47-3	ug/kg	8/24/2010	24,600	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Cobalt	7440-48-4	ug/kg	8/24/2010	5,430	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7682	B26C59	88	90	non-Rad	Copper	7440-50-8	ug/kg	8/24/2010	10,100	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Fluoride	16984-48-8	ug/kg	8/24/2010	739	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Iron	7439-89-6	ug/kg	8/24/2010	1.41E+07	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Lead	7439-92-1	ug/kg	8/24/2010	4,000	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Lithium	7439-93-2	ug/kg	8/24/2010	9,710	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Manganese	7439-96-5	ug/kg	8/24/2010	283,000	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Nickel	7440-02-0	ug/kg	8/24/2010	18,200	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Nitrate	14797-55-8	ug/kg	8/24/2010	19,200	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Nitrite	14797-65-0	ug/kg	8/24/2010	1,240	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Selenium	7782-49-2	ug/kg	8/24/2010	1,000	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Strontium	7440-24-6	ug/kg	8/24/2010	34,000	--	--
200-E-115	C7682	B26C59	88	90	Rad	Tritium	10028-17-8	pCi/g	8/24/2010	1.6	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Vanadium	7440-62-2	ug/kg	8/24/2010	25,800	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Zinc	7440-66-6	ug/kg	8/24/2010	33,000	--	--
200-E-115	C7682	B26C59	88	90	non-Rad	Zirconium	7440-67-7	ug/kg	8/24/2010	5,240	--	--
200-E-115	C7682	B26C58	45	47	non-Rad	Styrene	100-42-5	ug/kg	8/23/2010	0.34	--	--
200-E-115	C7682	B26C58	45	47	non-Rad	Toluene	108-88-3	ug/kg	8/23/2010	0.50	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Aluminum	7429-90-5	ug/kg	8/23/2010	6.96E+06	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Antimony	7440-36-0	ug/kg	8/23/2010	115	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Arsenic	7440-38-2	ug/kg	8/23/2010	4,000	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Barium	7440-39-3	ug/kg	8/23/2010	72,800	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Beryllium	7440-41-7	ug/kg	8/23/2010	193	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Cadmium	7440-43-9	ug/kg	8/23/2010	108	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Chromium	7440-47-3	ug/kg	8/23/2010	17,600	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Cobalt	7440-48-4	ug/kg	8/23/2010	7,340	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Copper	7440-50-8	ug/kg	8/23/2010	11,900	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Fluoride	16984-48-8	ug/kg	8/23/2010	1,560	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Iron	7439-89-6	ug/kg	8/23/2010	1.59E+07	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Lead	7439-92-1	ug/kg	8/23/2010	6,400	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Lithium	7439-93-2	ug/kg	8/23/2010	8,720	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Manganese	7439-96-5	ug/kg	8/23/2010	320,000	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Nickel	7440-02-0	ug/kg	8/23/2010	16,400	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Nitrate	14797-55-8	ug/kg	8/23/2010	9,340	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Nitrite	14797-65-0	ug/kg	8/23/2010	842	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7682	B26C57	45	47	non-Rad	Selenium	7782-49-2	ug/kg	8/23/2010	1,000	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Strontium	7440-24-6	ug/kg	8/23/2010	34,500	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Thallium	7440-28-0	ug/kg	8/23/2010	140	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Vanadium	7440-62-2	ug/kg	8/23/2010	31,000	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Zinc	7440-66-6	ug/kg	8/23/2010	33,300	--	--
200-E-115	C7682	B26C57	45	47	non-Rad	Zirconium	7440-67-7	ug/kg	8/23/2010	9,260	--	--
200-E-115	C7682	B26C56	18	20	non-Rad	Toluene	108-88-3	ug/kg	8/19/2010	0.39	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Aluminum	7429-90-5	ug/kg	8/19/2010	6.24E+06	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Antimony	7440-36-0	ug/kg	8/19/2010	126	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Arsenic	7440-38-2	ug/kg	8/19/2010	3,000	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Barium	7440-39-3	ug/kg	8/19/2010	78,600	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Beryllium	7440-41-7	ug/kg	8/19/2010	190	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Cadmium	7440-43-9	ug/kg	8/19/2010	137	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Chromium	7440-47-3	ug/kg	8/19/2010	12,000	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Cobalt	7440-48-4	ug/kg	8/19/2010	8,580	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Copper	7440-50-8	ug/kg	8/19/2010	10,800	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Fluoride	16984-48-8	ug/kg	8/19/2010	828	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Iron	7439-89-6	ug/kg	8/19/2010	1.68E+07	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Lead	7439-92-1	ug/kg	8/19/2010	10,300	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Lithium	7439-93-2	ug/kg	8/19/2010	7,180	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Manganese	7439-96-5	ug/kg	8/19/2010	354,000	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Nickel	7440-02-0	ug/kg	8/19/2010	13,700	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Nitrate	14797-55-8	ug/kg	8/19/2010	16,900	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Selenium	7782-49-2	ug/kg	8/19/2010	1,000	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Strontium	7440-24-6	ug/kg	8/19/2010	31,900	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Thallium	7440-28-0	ug/kg	8/19/2010	189	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Vanadium	7440-62-2	ug/kg	8/19/2010	34,400	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Zinc	7440-66-6	ug/kg	8/19/2010	32,200	--	--
200-E-115	C7682	B26C55	18	20	non-Rad	Zirconium	7440-67-7	ug/kg	8/19/2010	10,700	--	--
200-E-115	C7682	B26C54	14	16	non-Rad	Styrene	100-42-5	ug/kg	8/19/2010	0.46	--	--
200-E-115	C7682	B26C54	14	16	non-Rad	Toluene	108-88-3	ug/kg	8/19/2010	1.1	--	--
200-E-115	C7682	B26C53	14	16	non-Rad	Aluminum	7429-90-5	ug/kg	8/19/2010	6.38E+06	1.18E+07	No
200-E-115	C7682	B26C53	14	16	non-Rad	Antimony	7440-36-0	ug/kg	8/19/2010	90	130	No
200-E-115	C7682	B26C53	14	16	non-Rad	Arsenic	7440-38-2	ug/kg	8/19/2010	2,000	20,000	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7682	B26C53	14	16	non-Rad	Barium	7440-39-3	ug/kg	8/19/2010	103,000	132,000	No
200-E-115	C7682	B26C53	14	16	non-Rad	Beryllium	7440-41-7	ug/kg	8/19/2010	190	1,510	No
200-E-115	C7682	B26C53	14	16	non-Rad	Butylbenzylphthalate	85-68-7	ug/kg	8/19/2010	200	--	--
200-E-115	C7682	B26C53	14	16	non-Rad	Cadmium	7440-43-9	ug/kg	8/19/2010	127	563	No
200-E-115	C7682	B26C53	14	16	non-Rad	Chromium	7440-47-3	ug/kg	8/19/2010	14,900	18,500	No
200-E-115	C7682	B26C53	14	16	non-Rad	Cobalt	7440-48-4	ug/kg	8/19/2010	10,600	15,700	No
200-E-115	C7682	B26C53	14	16	non-Rad	Copper	7440-50-8	ug/kg	8/19/2010	11,300	22,000	No
200-E-115	C7682	B26C53	14	16	non-Rad	Fluoride	16984-48-8	ug/kg	8/19/2010	1,490	2,810	No
200-E-115	C7682	B26C53	14	16	non-Rad	Iron	7439-89-6	ug/kg	8/19/2010	2.40E+07	3.26E+07	No
200-E-115	C7682	B26C53	14	16	non-Rad	Lead	7439-92-1	ug/kg	8/19/2010	6,640	10,200	No
200-E-115	C7682	B26C53	14	16	non-Rad	Lithium	7439-93-2	ug/kg	8/19/2010	7,040	13,300	No
200-E-115	C7682	B26C53	14	16	non-Rad	Manganese	7439-96-5	ug/kg	8/19/2010	465,000	512,000	No
200-E-115	C7682	B26C53	14	16	non-Rad	Molybdenum	7439-98-7	ug/kg	8/19/2010	2,000	470	Yes
200-E-115	C7682	B26C53	14	16	non-Rad	Nickel	7440-02-0	ug/kg	8/19/2010	12,300	19,100	No
200-E-115	C7682	B26C53	14	16	non-Rad	Nitrate	14797-55-8	ug/kg	8/19/2010	12,800	52,000	No
200-E-115	C7682	B26C53	14	16	non-Rad	Nitrite	14797-65-0	ug/kg	8/19/2010	1,340	--	--
200-E-115	C7682	B26C53	14	16	non-Rad	Selenium	7782-49-2	ug/kg	8/19/2010	1,000	780	Yes
200-E-115	C7682	B26C53	14	16	non-Rad	Strontium	7440-24-6	ug/kg	8/19/2010	37,700	--	--
200-E-115	C7682	B26C53	14	16	non-Rad	Thallium	7440-28-0	ug/kg	8/19/2010	177	185	No
200-E-115	C7682	B26C53	14	16	Rad	Tritium	10028-17-8	pCi/g	8/19/2010	3.0	--	--
200-E-115	C7682	B26C53	14	16	non-Rad	Vanadium	7440-62-2	ug/kg	8/19/2010	53,800	85,100	No
200-E-115	C7682	B26C53	14	16	non-Rad	Zinc	7440-66-6	ug/kg	8/19/2010	38,100	67,800	No
200-E-115	C7682	B26C53	14	16	non-Rad	Zirconium	7440-67-7	ug/kg	8/19/2010	11,900	--	--
200-E-115	C7682	B26C51	12	14	non-Rad	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/18/2010	4.80E-04	--	--
200-E-115	C7682	B26C51	12	14	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/18/2010	9.00E-04	--	--
200-E-115	C7682	B26C51	12	14	non-Rad	Aluminum	7429-90-5	ug/kg	8/18/2010	6.03E+06	1.18E+07	No
200-E-115	C7682	B26C51	12	14	non-Rad	Antimony	7440-36-0	ug/kg	8/18/2010	110	130	No
200-E-115	C7682	B26C51	12	14	non-Rad	Arsenic	7440-38-2	ug/kg	8/18/2010	3,000	20,000	No
200-E-115	C7682	B26C51	12	14	non-Rad	Barium	7440-39-3	ug/kg	8/18/2010	89,600	132,000	No
200-E-115	C7682	B26C51	12	14	non-Rad	Beryllium	7440-41-7	ug/kg	8/18/2010	159	1,510	No
200-E-115	C7682	B26C51	12	14	non-Rad	Cadmium	7440-43-9	ug/kg	8/18/2010	136	563	No
200-E-115	C7682	B26C51	12	14	non-Rad	Chromium	7440-47-3	ug/kg	8/18/2010	10,100	18,500	No
200-E-115	C7682	B26C51	12	14	non-Rad	Cobalt	7440-48-4	ug/kg	8/18/2010	9,840	15,700	No
200-E-115	C7682	B26C51	12	14	non-Rad	Copper	7440-50-8	ug/kg	8/18/2010	11,300	22,000	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7682	B26C51	12	14	non-Rad	Fluoride	16984-48-8	ug/kg	8/18/2010	1,450	2,810	No
200-E-115	C7682	B26C51	12	14	non-Rad	Iron	7439-89-6	ug/kg	8/18/2010	2.28E+07	3.26E+07	No
200-E-115	C7682	B26C51	12	14	non-Rad	Lead	7439-92-1	ug/kg	8/18/2010	6,860	10,200	No
200-E-115	C7682	B26C51	12	14	non-Rad	Lithium	7439-93-2	ug/kg	8/18/2010	5,990	13,300	No
200-E-115	C7682	B26C51	12	14	non-Rad	Manganese	7439-96-5	ug/kg	8/18/2010	383,000	512,000	No
200-E-115	C7682	B26C51	12	14	non-Rad	Molybdenum	7439-98-7	ug/kg	8/18/2010	1,980	470	Yes
200-E-115	C7682	B26C51	12	14	non-Rad	Nickel	7440-02-0	ug/kg	8/18/2010	10,400	19,100	No
200-E-115	C7682	B26C51	12	14	non-Rad	Nitrate	14797-55-8	ug/kg	8/18/2010	12,200	52,000	No
200-E-115	C7682	B26C51	12	14	non-Rad	Nitrite	14797-65-0	ug/kg	8/18/2010	1,850	--	--
200-E-115	C7682	B26C51	12	14	non-Rad	Selenium	7782-49-2	ug/kg	8/18/2010	1,000	780	Yes
200-E-115	C7682	B26C51	12	14	non-Rad	Strontium	7440-24-6	ug/kg	8/18/2010	31,100	--	--
200-E-115	C7682	B26C51	12	14	non-Rad	Thallium	7440-28-0	ug/kg	8/18/2010	194	185	Yes
200-E-115	C7682	B26C51	12	14	Rad	Tritium	10028-17-8	pCi/g	8/18/2010	1.7	--	--
200-E-115	C7682	B26C51	12	14	non-Rad	Vanadium	7440-62-2	ug/kg	8/18/2010	52,300	85,100	No
200-E-115	C7682	B26C51	12	14	non-Rad	Zinc	7440-66-6	ug/kg	8/18/2010	36,100	67,800	No
200-E-115	C7682	B26C51	12	14	non-Rad	Zirconium	7440-67-7	ug/kg	8/18/2010	5,790	--	--
200-E-115	C7682	B26C50	10	12	non-Rad	Styrene	100-42-5	ug/kg	8/18/2010	0.36	--	--
200-E-115	C7682	B26C50	10	12	non-Rad	Toluene	108-88-3	ug/kg	8/18/2010	0.35	--	--
200-E-115	C7682	B26C48	5	7	non-Rad	Styrene	100-42-5	ug/kg	8/18/2010	0.33	--	--
200-E-115	C7682	B26C48	5	7	non-Rad	Toluene	108-88-3	ug/kg	8/18/2010	0.31	--	--
200-E-115	C7682	B26C47	5	7	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/18/2010	6.00E-04	--	--
200-E-115	C7682	B26C47	5	7	non-Rad	Aluminum	7429-90-5	ug/kg	8/18/2010	5.64E+06	1.18E+07	No
200-E-115	C7682	B26C47	5	7	non-Rad	Antimony	7440-36-0	ug/kg	8/18/2010	420	130	Yes
200-E-115	C7682	B26C47	5	7	non-Rad	Arsenic	7440-38-2	ug/kg	8/18/2010	5,000	20,000	No
200-E-115	C7682	B26C47	5	7	non-Rad	Barium	7440-39-3	ug/kg	8/18/2010	71,000	132,000	No
200-E-115	C7682	B26C47	5	7	non-Rad	Beryllium	7440-41-7	ug/kg	8/18/2010	204	1,510	No
200-E-115	C7682	B26C47	5	7	non-Rad	Cadmium	7440-43-9	ug/kg	8/18/2010	196	563	No
200-E-115	C7682	B26C47	5	7	Rad	Carbon-14	14762-75-5	pCi/g	8/18/2010	3.5	--	--
200-E-115	C7682	B26C47	5	7	non-Rad	Chromium	7440-47-3	ug/kg	8/18/2010	7,710	18,500	No
200-E-115	C7682	B26C47	5	7	non-Rad	Cobalt	7440-48-4	ug/kg	8/18/2010	6,680	15,700	No
200-E-115	C7682	B26C47	5	7	non-Rad	Copper	7440-50-8	ug/kg	8/18/2010	11,900	22,000	No
200-E-115	C7682	B26C47	5	7	non-Rad	Fluoride	16984-48-8	ug/kg	8/18/2010	1,600	2,810	No
200-E-115	C7682	B26C47	5	7	non-Rad	Iron	7439-89-6	ug/kg	8/18/2010	1.43E+07	3.26E+07	No
200-E-115	C7682	B26C47	5	7	non-Rad	Lead	7439-92-1	ug/kg	8/18/2010	11,300	10,200	Yes

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-E-115	C7682	B26C47	5	7	non-Rad	Lithium	7439-93-2	ug/kg	8/18/2010	6,570	13,300	No
200-E-115	C7682	B26C47	5	7	non-Rad	Manganese	7439-96-5	ug/kg	8/18/2010	270,000	512,000	No
200-E-115	C7682	B26C47	5	7	non-Rad	Nickel	7440-02-0	ug/kg	8/18/2010	8,930	19,100	No
200-E-115	C7682	B26C47	5	7	non-Rad	Nitrate	14797-55-8	ug/kg	8/18/2010	23,800	52,000	No
200-E-115	C7682	B26C47	5	7	non-Rad	Selenium	7782-49-2	ug/kg	8/18/2010	1,000	780	Yes
200-E-115	C7682	B26C47	5	7	non-Rad	Strontium	7440-24-6	ug/kg	8/18/2010	21,500	--	--
200-E-115	C7682	B26C47	5	7	non-Rad	Thallium	7440-28-0	ug/kg	8/18/2010	180	185	No
200-E-115	C7682	B26C47	5	7	non-Rad	Vanadium	7440-62-2	ug/kg	8/18/2010	24,500	85,100	No
200-E-115	C7682	B26C47	5	7	non-Rad	Zinc	7440-66-6	ug/kg	8/18/2010	29,500	67,800	No
200-E-115	C7682	B26C47	5	7	non-Rad	Zirconium	7440-67-7	ug/kg	8/18/2010	8,820	--	--
200-W-54	299-W22-84	B139D1	0	6	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/19/2001	490	--	--
200-W-54	299-W22-84	B139D1	0	6	non-Rad	Iron	7439-89-6	ug/kg	10/19/2001	2.81E+07	3.26E+07	No
200-W-54	299-W22-84	B139D1	0	6	non-Rad	Manganese	7439-96-5	ug/kg	10/19/2001	438,000	512,000	No
200-W-54	299-W22-84	B139D1	0	6	non-Rad	Methylene chloride	75-09-2	ug/kg	10/19/2001	11	--	--
200-W-54	299-W22-84	B139D1	0	6	non-Rad	Molybdenum	7439-98-7	ug/kg	10/19/2001	530	470	Yes
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Aluminum	7429-90-5	ug/kg	10/19/2001	7.03E+06	--	--
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Copper	7440-50-8	ug/kg	10/19/2001	12,000	--	--
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/19/2001	1,500	--	--
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Iron	7439-89-6	ug/kg	10/19/2001	1.86E+07	--	--
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Manganese	7439-96-5	ug/kg	10/19/2001	234,000	--	--
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Methylene chloride	75-09-2	ug/kg	10/19/2001	12	--	--
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Molybdenum	7439-98-7	ug/kg	10/19/2001	3,100	--	--
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Tin	7440-31-5	ug/kg	10/19/2001	3,700	--	--
200-W-54	299-W22-84	B139C4	234	239	Rad	Uranium-233/234	U-233/234	pCi/g	10/19/2001	0.52	1.1	No
200-W-54	299-W22-84	B139C4	234	239	Rad	Uranium-238	U-238	pCi/g	10/19/2001	0.38	1.1	No
200-W-54	299-W22-84	B139C3	0	6	non-Rad	Acetone	67-64-1	ug/kg	10/19/2001	44	--	--
200-W-54	299-W22-84	B139C3	0	6	non-Rad	Aluminum	7429-90-5	ug/kg	10/19/2001	8.15E+06	1.18E+07	No
200-W-54	299-W22-84	B139C3	0	6	Rad	Cesium-137	10045-97-3	pCi/g	10/19/2001	0.047	1.1	No
200-W-54	299-W22-84	B139C3	0	6	non-Rad	Copper	7440-50-8	ug/kg	10/19/2001	15,700	22,000	No
200-W-54	299-W22-84	B139C3	0	6	non-Rad	Nitrate	14797-55-8	ug/kg	10/19/2001	5,680	52,000	No
200-W-54	299-W22-84	B139C3	0	6	non-Rad	Tin	7440-31-5	ug/kg	10/19/2001	1,900	--	--
200-W-54	299-W22-84	B139C3	0	6	Rad	Uranium-233/234	U-233/234	pCi/g	10/19/2001	0.66	1.1	No
200-W-54	299-W22-84	B139C3	0	6	Rad	Uranium-238	U-238	pCi/g	10/19/2001	0.51	1.1	No
200-W-54	299-W22-90	B2L7W6	237	242	non-Rad	Aluminum	7429-90-5	ug/kg	6/26/2012	9.14E+06	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
200-W-54	299-W22-90	B2L7W6	237	242	non-Rad	Arsenic	7440-38-2	ug/kg	6/26/2012	1,160	--	--
200-W-54	299-W22-90	B2L7W6	237	242	non-Rad	Barium	7440-39-3	ug/kg	6/26/2012	97,700	--	--
200-W-54	299-W22-90	B2L7W6	237	242	non-Rad	Boron	7440-42-8	ug/kg	6/26/2012	929	--	--
200-W-54	299-W22-90	B2L7W6	237	242	non-Rad	Chromium	7440-47-3	ug/kg	6/26/2012	23,100	--	--
200-W-54	299-W22-90	B2L7W6	237	242	non-Rad	Lead	7439-92-1	ug/kg	6/26/2012	7,210	--	--
200-W-54	299-W22-90	B2L7W6	237	242	non-Rad	Manganese	7439-96-5	ug/kg	6/26/2012	346,000	--	--
200-W-54	299-W22-90	B2L7W6	237	242	Rad	Plutonium-238	13981-16-3	pCi/g	6/26/2012	0.017	--	--
200-W-54	299-W22-90	B2L7W6	237	242	Rad	Technetium-99	14133-76-7	pCi/g	6/26/2012	1.1	--	--
200-W-54	299-W22-90	B2L7W6	237	242	Rad	Uranium-233/234	U-233/234	pCi/g	6/26/2012	0.14	1.1	No
200-W-54	299-W22-90	B2L7W6	237	242	Rad	Uranium-238	U-238	pCi/g	6/26/2012	0.16	1.1	No
207-A-South	C4113	B17HT2	12.5	13.5	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/10/2003	530	--	--
207-A-South	C4113	B17HT1	6	7	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	1,100	--	--
207-A-South	C4113	B17HT0	2	3	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	5,100	--	--
207-A-South	C4113	B17HT0	2	3	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.30	0.18	Yes
207-A-South	C4113	B17HT0	2	3	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	0.33	--	--
207-A-South	C4113	B17HR9	1	2	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	1,000	--	--
207-A-South	C4113	B17HR9	1	2	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.46	0.18	Yes
207-A-South	C4113	B17HR9	1	2	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	0.15	--	--
207-A-South	C4113	B17HR8	12.5	13.5	non-Rad	Barium	7440-39-3	ug/kg	9/10/2003	21,700	132,000	No
207-A-South	C4113	B17HR8	12.5	13.5	non-Rad	Copper	7440-50-8	ug/kg	9/10/2003	10,700	22,000	No
207-A-South	C4113	B17HR8	12.5	13.5	non-Rad	Diethylphthalate	84-66-2	ug/kg	9/10/2003	260	--	--
207-A-South	C4113	B17HR8	12.5	13.5	non-Rad	Nitrate	14797-55-8	ug/kg	9/10/2003	2,570	52,000	No
207-A-South	C4113	B17HR8	12.5	13.5	non-Rad	Silver	7440-22-4	ug/kg	9/10/2003	2,040	167	Yes
207-A-South	C4113	B17HR8	12.5	13.5	Rad	Uranium-233/234	U-233/234	pCi/g	9/10/2003	0.12	1.1	No
207-A-South	C4113	B17HR8	12.5	13.5	Rad	Uranium-235	15117-96-1	pCi/g	9/10/2003	0.012	0.11	No
207-A-South	C4113	B17HR8	12.5	13.5	Rad	Uranium-238	U-238	pCi/g	9/10/2003	0.14	1.1	No
207-A-South	C4114	B17HY3	12.5	13.5	Rad	Americium-241	14596-10-2	pCi/g	9/10/2003	0.025	--	--
207-A-South	C4114	B17HY3	12.5	13.5	non-Rad	Barium	7440-39-3	ug/kg	9/10/2003	24,600	132,000	No
207-A-South	C4114	B17HY3	12.5	13.5	Rad	Cesium-137	10045-97-3	pCi/g	9/10/2003	0.013	1.1	No
207-A-South	C4114	B17HY3	12.5	13.5	non-Rad	Copper	7440-50-8	ug/kg	9/10/2003	8,480	22,000	No
207-A-South	C4114	B17HY3	12.5	13.5	non-Rad	Diethylphthalate	84-66-2	ug/kg	9/10/2003	210	--	--
207-A-South	C4114	B17HY3	12.5	13.5	non-Rad	Nitrate	14797-55-8	ug/kg	9/10/2003	9,120	52,000	No
207-A-South	C4114	B17HY3	12.5	13.5	Rad	Uranium-233/234	U-233/234	pCi/g	9/10/2003	0.094	1.1	No
207-A-South	C4114	B17HY3	12.5	13.5	Rad	Uranium-235	15117-96-1	pCi/g	9/10/2003	0.013	0.11	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
207-A-South	C4114	B17HY3	12.5	13.5	Rad	Uranium-238	U-238	pCi/g	9/10/2003	0.14	1.1	No
207-A-South	C4114	B17HX7	12.5	13.5	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/10/2003	2,400	--	--
207-A-South	C4114	B17HX7	12.5	13.5	Rad	Tritium	10028-17-8	pCi/g	9/10/2003	2.0	--	--
207-A-South	C4114	B17HX6	6	7	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/4/2003	4,500	--	--
207-A-South	C4114	B17HX6	6	7	Rad	Tritium	10028-17-8	pCi/g	9/4/2003	2.3	--	--
207-A-South	C4114	B17HX5	2	3	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	20,900	--	--
207-A-South	C4114	B17HX5	2	3	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.90	0.18	Yes
207-A-South	C4114	B17HX5	2	3	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	4.9	--	--
207-A-South	C4114	B17HX4	1	2	non-Rad	-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)[	93-72-1	ug/kg	9/3/2003	3.3	--	--
207-A-South	C4114	B17HX4	1	2	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	8,900	--	--
207-A-South	C4114	B17HX4	1	2	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.94	0.18	Yes
207-A-South	C4114	B17HX4	1	2	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	2.5	--	--
207-A-South	C4115	B17HY9	12.5	13.5	Rad	Americium-241	14596-10-2	pCi/g	9/10/2003	0.019	--	--
207-A-South	C4115	B17HY9	12.5	13.5	non-Rad	Barium	7440-39-3	ug/kg	9/10/2003	15,700	132,000	No
207-A-South	C4115	B17HY9	12.5	13.5	non-Rad	Copper	7440-50-8	ug/kg	9/10/2003	10,100	22,000	No
207-A-South	C4115	B17HY9	12.5	13.5	non-Rad	Nitrate	14797-55-8	ug/kg	9/10/2003	10,400	52,000	No
207-A-South	C4115	B17HY9	12.5	13.5	Rad	Uranium-233/234	U-233/234	pCi/g	9/10/2003	0.13	1.1	No
207-A-South	C4115	B17HY9	12.5	13.5	Rad	Uranium-235	15117-96-1	pCi/g	9/10/2003	0.0080	0.11	No
207-A-South	C4115	B17HY9	12.5	13.5	Rad	Uranium-238	U-238	pCi/g	9/10/2003	0.100	1.1	No
207-A-South	C4115	B17HY5	12.5	13.5	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/10/2003	2,300	--	--
207-A-South	C4115	B17HY5	12.5	13.5	Rad	Tritium	10028-17-8	pCi/g	9/10/2003	2.4	--	--
207-A-South	C4115	B17HY4	6	7	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/4/2003	13,200	--	--
207-A-South	C4115	B17HY4	6	7	Rad	Tritium	10028-17-8	pCi/g	9/4/2003	6.6	--	--
207-A-South	C4115	B17HX9	2	3	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	920	--	--
207-A-South	C4115	B17HX9	2	3	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.80	0.18	Yes
207-A-South	C4115	B17HX8	1	2	non-Rad	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	9/3/2003	7.1	--	--
207-A-South	C4115	B17HX8	1	2	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	1,600	--	--
207-A-South	C4115	B17HX8	1	2	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.82	0.18	Yes
207-A-South	C4115	B17HX8	1	2	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	0.12	--	--
207-A-South	D074	S827942	0	1	Rad	Cesium-137	10045-97-3	pCi/g	6/3/2010	0.59	1.1	No
207-A-South	D074	S827942	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	6/3/2010	-3.13E-03	0.0084	No
207-A-South	D074	S827942	0	1	Rad	Europium-152	14683-23-9	pCi/g	6/3/2010	-2.24E-02	--	--
207-A-South	D074	S827942	0	1	Rad	Europium-154	15585-10-1	pCi/g	6/3/2010	-7.31E-03	0.033	No
207-A-South	D074	S827942	0	1	Rad	Europium-155	14391-16-3	pCi/g	6/3/2010	0.0061	0.054	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
207-A-South	D074	S827942	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	6/3/2010	0.0056	0.0038	Yes
207-A-South	D074	S827942	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	6/3/2010	0.0045	0.025	No
207-A-South	D074	S827942	0	1	Rad	Strontium-90	10098-97-2	pCi/g	6/3/2010	0.48	0.18	Yes
207-A-South	D074	S827942	0	1	Rad	Uranium-234	13966-29-5	pCi/g	6/3/2010	0.16	1.1	No
207-A-South	D074	S827942	0	1	Rad	Uranium-235	15117-96-1	pCi/g	6/3/2010	0.017	0.11	No
207-A-South	D074	S827942	0	1	Rad	Uranium-238	U-238	pCi/g	6/3/2010	0.12	1.1	No
207-T	299-W11-39	B10F91	247.25	247.25	non-Rad	Arsenic	7440-38-2	ug/kg	12/4/2000	2,200	--	--
207-T	299-W11-39	B10F91	247.25	247.25	non-Rad	Barium	7440-39-3	ug/kg	12/4/2000	53,200	--	--
207-T	299-W11-39	B10F91	247.25	247.25	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	12/4/2000	41	--	--
207-T	299-W11-39	B10F91	247.25	247.25	non-Rad	Chromium	7440-47-3	ug/kg	12/4/2000	26,600	--	--
207-T	299-W11-39	B10F91	247.25	247.25	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	12/4/2000	560	--	--
207-T	299-W11-39	B10F91	247.25	247.25	non-Rad	Lead	7439-92-1	ug/kg	12/4/2000	2,800	--	--
207-T	299-W11-39	B10F91	247.25	247.25	non-Rad	Methylene chloride	75-09-2	ug/kg	12/4/2000	19	--	--
207-T	299-W11-39	B10F90	10	14	non-Rad	Acetone	67-64-1	ug/kg	11/30/2000	7.0	--	--
207-T	299-W11-39	B10F90	10	14	non-Rad	Arsenic	7440-38-2	ug/kg	11/30/2000	4,200	20,000	No
207-T	299-W11-39	B10F90	10	14	non-Rad	Barium	7440-39-3	ug/kg	11/30/2000	103,000	132,000	No
207-T	299-W11-39	B10F90	10	14	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	11/30/2000	100	--	--
207-T	299-W11-39	B10F90	10	14	non-Rad	Chromium	7440-47-3	ug/kg	11/30/2000	5,800	18,500	No
207-T	299-W11-39	B10F90	10	14	non-Rad	Lead	7439-92-1	ug/kg	11/30/2000	4,800	10,200	No
207-T	299-W11-39	B10F90	10	14	non-Rad	Methylene chloride	75-09-2	ug/kg	11/30/2000	14	--	--
207-T	299-W11-39	B10F90	10	14	non-Rad	Nitrate	14797-55-8	ug/kg	11/30/2000	13,000	52,000	No
207-T	299-W11-39	B10F90	10	14	non-Rad	Phenol	108-95-2	ug/kg	11/30/2000	35	--	--
207-T	299-W11-39	B10F79	252.5	252.5	Rad	Tritium	10028-17-8	pCi/g	12/4/2000	0.12	--	--
207-T	299-W11-39	B10F79	252.5	252.5	non-Rad	Uranium	7440-61-1	ug/kg	12/4/2000	893	--	--
207-T	299-W11-39	B10F78	242.5	242.5	non-Rad	Uranium	7440-61-1	ug/kg	12/4/2000	933	--	--
207-T	299-W11-39	B10F77	14	20	non-Rad	Uranium	7440-61-1	ug/kg	11/30/2000	991	3,210	No
207-T	299-W11-39	B10F76	0	10	Rad	Cesium-137	10045-97-3	pCi/g	11/30/2000	0.035	1.1	No
207-T	299-W11-39	B10F76	0	10	non-Rad	Uranium	7440-61-1	ug/kg	11/30/2000	1,100	3,210	No
207-T	299-W11-40	B105W4	250	250	non-Rad	Arsenic	7440-38-2	ug/kg	9/29/2000	960	--	--
207-T	299-W11-40	B105W4	250	250	non-Rad	Barium	7440-39-3	ug/kg	9/29/2000	44,000	--	--
207-T	299-W11-40	B105W4	250	250	non-Rad	Chromium	7440-47-3	ug/kg	9/29/2000	3,100	--	--
207-T	299-W11-40	B105W4	250	250	non-Rad	Lead	7439-92-1	ug/kg	9/29/2000	4,000	--	--
207-T	299-W11-40	B105W4	250	250	non-Rad	Methylene chloride	75-09-2	ug/kg	9/29/2000	21	--	--
207-T	299-W11-40	B105W4	250	250	non-Rad	Nitrate	14797-55-8	ug/kg	9/29/2000	2,900	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
207-T	299-W11-40	B105W3	5	15	non-Rad	Arsenic	7440-38-2	ug/kg	9/27/2000	4,900	20,000	No
207-T	299-W11-40	B105W3	5	15	non-Rad	Barium	7440-39-3	ug/kg	9/27/2000	76,300	132,000	No
207-T	299-W11-40	B105W3	5	15	non-Rad	Chromium	7440-47-3	ug/kg	9/27/2000	9,000	18,500	No
207-T	299-W11-40	B105W3	5	15	non-Rad	Lead	7439-92-1	ug/kg	9/27/2000	4,400	10,200	No
207-T	299-W11-40	B105W3	5	15	non-Rad	Methylene chloride	75-09-2	ug/kg	9/27/2000	9.0	--	--
207-T	299-W11-40	B105W3	5	15	non-Rad	Nitrate	14797-55-8	ug/kg	9/27/2000	4,100	52,000	No
207-T	299-W11-40	B105V6	259	259	Rad	Tritium	10028-17-8	pCi/g	9/29/2000	1.3	--	--
207-T	299-W11-40	B105V6	259	259	non-Rad	Uranium	7440-61-1	ug/kg	9/29/2000	901	--	--
207-T	299-W11-40	B105V5	7	15	Rad	Tritium	10028-17-8	pCi/g	9/29/2000	0.082	--	--
207-T	299-W11-40	B105V5	7	15	non-Rad	Uranium	7440-61-1	ug/kg	9/29/2000	1,160	3,210	No
207-T	299-W11-40	B105V4	235	245	non-Rad	Uranium	7440-61-1	ug/kg	9/27/2000	1,060	--	--
207-T	299-W11-40	B105V3	5	7	Rad	Technetium-99	14133-76-7	pCi/g	9/27/2000	0.61	--	--
207-T	299-W11-40	B105V3	5	7	non-Rad	Uranium	7440-61-1	ug/kg	9/27/2000	1,760	3,210	No
207-T/200-W-53	299-W11-41	B10Y96	262	264	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	11/20/2000	51	--	--
207-T/200-W-53	299-W11-41	B10Y96	262	264	non-Rad	Methylene chloride	75-09-2	ug/kg	11/20/2000	11	--	--
207-T/200-W-53	299-W11-41	B10Y95	248	248	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	11/20/2000	71	--	--
207-T/200-W-53	299-W11-41	B10Y95	248	248	non-Rad	Methylene chloride	75-09-2	ug/kg	11/20/2000	8.0	--	--
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Acetone	67-64-1	ug/kg	8/11/2000	10	--	--
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Arsenic	7440-38-2	ug/kg	8/11/2000	1,000	--	--
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Barium	7440-39-3	ug/kg	8/11/2000	34,600	--	--
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/11/2000	65	--	--
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Chloroform	67-66-3	ug/kg	8/11/2000	1.0	--	--
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Chromium	7440-47-3	ug/kg	8/11/2000	16,200	--	--
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Lead	7439-92-1	ug/kg	8/11/2000	2,000	--	--
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Methylene chloride	75-09-2	ug/kg	8/11/2000	15	--	--
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Nitrate	14797-55-8	ug/kg	8/11/2000	52,000	--	--
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Selenium	7782-49-2	ug/kg	8/11/2000	670	--	--
207-T/200-W-53	299-W11-41	B0YVY0	262	264	Rad	Technetium-99	14133-76-7	pCi/g	8/11/2000	0.70	--	--
207-T/200-W-53	299-W11-41	B0YVY0	262	264	Rad	Tritium	10028-17-8	pCi/g	8/11/2000	1.6	--	--
207-T/200-W-53	299-W11-41	B0YVY0	262	264	Rad	Uranium-233/234	U-233/234	pCi/g	8/11/2000	0.29	1.1	No
207-T/200-W-53	299-W11-41	B0YVY0	262	264	Rad	Uranium-238	U-238	pCi/g	8/11/2000	0.35	1.1	No
207-T/200-W-53	299-W11-41	B0YVX9	248	248	Rad	Technetium-99	14133-76-7	pCi/g	8/11/2000	0.83	--	--
207-T/200-W-53	299-W11-41	B0YVX9	248	248	Rad	Tritium	10028-17-8	pCi/g	8/11/2000	3.0	--	--
207-T/200-W-53	299-W11-41	B0YVX9	248	248	Rad	Uranium-233/234	U-233/234	pCi/g	8/11/2000	0.28	1.1	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
207-T/200-W-53	299-W11-41	B0YVX9	248	248	Rad	Uranium-238	U-238	pCi/g	8/11/2000	0.24	1.1	No
207-T/200-W-53	299-W11-41	B0YVX8	5	15	non-Rad	Arsenic	7440-38-2	ug/kg	8/7/2000	2,900	20,000	No
207-T/200-W-53	299-W11-41	B0YVX8	5	15	non-Rad	Barium	7440-39-3	ug/kg	8/7/2000	103,000	132,000	No
207-T/200-W-53	299-W11-41	B0YVX8	5	15	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/7/2000	35	--	--
207-T/200-W-53	299-W11-41	B0YVX8	5	15	non-Rad	Chromium	7440-47-3	ug/kg	8/7/2000	7,800	18,500	No
207-T/200-W-53	299-W11-41	B0YVX8	5	15	non-Rad	Lead	7439-92-1	ug/kg	8/7/2000	3,600	10,200	No
207-T/200-W-53	299-W11-41	B0YVX8	5	15	non-Rad	Methylene chloride	75-09-2	ug/kg	8/7/2000	14	--	--
207-T/200-W-53	299-W11-41	B0YVX8	5	15	non-Rad	Nitrate	14797-55-8	ug/kg	8/7/2000	8,000	52,000	No
207-T/200-W-53	299-W11-41	B0YVX7	15	15	Rad	Technetium-99	14133-76-7	pCi/g	8/7/2000	0.58	--	--
207-T/200-W-53	299-W11-41	B0YVX7	15	15	Rad	Uranium-233/234	U-233/234	pCi/g	8/7/2000	0.32	1.1	No
207-T/200-W-53	299-W11-41	B0YVX7	15	15	Rad	Uranium-238	U-238	pCi/g	8/7/2000	0.47	1.1	No
207-T/200-W-53	299-W11-41	B0YVX6	5	5	Rad	Cesium-137	10045-97-3	pCi/g	8/7/2000	0.21	1.1	No
207-T/200-W-53	299-W11-41	B0YVX6	5	5	Rad	Technetium-99	14133-76-7	pCi/g	8/7/2000	0.74	--	--
207-T/200-W-53	299-W11-41	B0YVX6	5	5	Rad	Uranium-233/234	U-233/234	pCi/g	8/7/2000	0.44	1.1	No
207-T/200-W-53	299-W11-41	B0YVX6	5	5	Rad	Uranium-238	U-238	pCi/g	8/7/2000	0.37	1.1	No
207-T/200-W-53	D018	S976724	0	1	Rad	Cesium-137	10045-97-3	pCi/g	6/9/2016	1.5	1.1	Yes
207-T/200-W-53	D018	S976724	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	6/9/2016	9.23E-04	0.0038	No
207-T/200-W-53	D018	S976724	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	6/9/2016	0.042	0.025	Yes
207-T/200-W-53	D018	S976724	0	1	Rad	Strontium-90	10098-97-2	pCi/g	6/9/2016	0.065	0.18	No
207-T/200-W-53	D018	S976724	0	1	Rad	Uranium-234	13966-29-5	pCi/g	6/9/2016	0.54	1.1	No
207-T/200-W-53	D018	S976724	0	1	Rad	Uranium-238	U-238	pCi/g	6/9/2016	0.47	1.1	No
207-T/200-W-53	D018	S827914	0	1	Rad	Cesium-137	10045-97-3	pCi/g	5/27/2010	0.94	1.1	No
207-T/200-W-53	D018	S827914	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	5/27/2010	6.53E-04	0.0084	No
207-T/200-W-53	D018	S827914	0	1	Rad	Europium-152	14683-23-9	pCi/g	5/27/2010	-2.44E-02	--	--
207-T/200-W-53	D018	S827914	0	1	Rad	Europium-154	15585-10-1	pCi/g	5/27/2010	0.0071	0.033	No
207-T/200-W-53	D018	S827914	0	1	Rad	Europium-155	14391-16-3	pCi/g	5/27/2010	0.023	0.054	No
207-T/200-W-53	D018	S827914	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	5/27/2010	0.0056	0.0038	Yes
207-T/200-W-53	D018	S827914	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/27/2010	0.097	0.025	Yes
207-T/200-W-53	D018	S827914	0	1	Rad	Strontium-90	10098-97-2	pCi/g	5/27/2010	-1.11E+00	0.18	No
207-T/200-W-53	D018	S827914	0	1	Rad	Uranium-234	13966-29-5	pCi/g	5/27/2010	0.14	1.1	No
207-T/200-W-53	D018	S827914	0	1	Rad	Uranium-235	15117-96-1	pCi/g	5/27/2010	0.0066	0.11	No
207-T/200-W-53	D018	S827914	0	1	Rad	Uranium-238	U-238	pCi/g	5/27/2010	0.14	1.1	No
207-T/200-W-53	D018	S755553	0	1	Rad	Cesium-137	10045-97-3	pCi/g	5/27/2008	0.32	1.1	No
207-T/200-W-53	D018	S755553	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	5/27/2008	-2.73E-05	0.0084	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
207-T/200-W-53	D018	S755553	0	1	Rad	Europium-152	14683-23-9	pCi/g	5/27/2008	-6.07E-03	--	--
207-T/200-W-53	D018	S755553	0	1	Rad	Europium-154	15585-10-1	pCi/g	5/27/2008	-4.74E-03	0.033	No
207-T/200-W-53	D018	S755553	0	1	Rad	Europium-155	14391-16-3	pCi/g	5/27/2008	0.0084	0.054	No
207-T/200-W-53	D018	S755553	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	5/27/2008	-4.01E-03	0.0038	No
207-T/200-W-53	D018	S755553	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/27/2008	0.0067	0.025	No
207-T/200-W-53	D018	S755553	0	1	Rad	Strontium-90	10098-97-2	pCi/g	5/27/2008	-3.18E-01	0.18	No
207-T/200-W-53	D018	S755553	0	1	Rad	Uranium-234	13966-29-5	pCi/g	5/27/2008	0.13	1.1	No
207-T/200-W-53	D018	S755553	0	1	Rad	Uranium-235	15117-96-1	pCi/g	5/27/2008	-2.40E-03	0.11	No
207-T/200-W-53	D018	S755553	0	1	Rad	Uranium-238	U-238	pCi/g	5/27/2008	0.12	1.1	No
207-T/200-W-53	D018	S685043	0	1	Rad	Cesium-137	10045-97-3	pCi/g	5/22/2006	0.18	1.1	No
207-T/200-W-53	D018	S685043	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	5/22/2006	-2.40E-04	0.0084	No
207-T/200-W-53	D018	S685043	0	1	Rad	Europium-152	14683-23-9	pCi/g	5/22/2006	-2.15E-03	--	--
207-T/200-W-53	D018	S685043	0	1	Rad	Europium-154	15585-10-1	pCi/g	5/22/2006	0.0025	0.033	No
207-T/200-W-53	D018	S685043	0	1	Rad	Europium-155	14391-16-3	pCi/g	5/22/2006	0.0060	0.054	No
207-T/200-W-53	D018	S685043	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	5/22/2006	-8.08E-03	0.0038	No
207-T/200-W-53	D018	S685043	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/22/2006	0.0022	0.025	No
207-T/200-W-53	D018	S685043	0	1	Rad	Strontium-90	10098-97-2	pCi/g	5/22/2006	-5.12E-02	0.18	No
207-T/200-W-53	D018	S685043	0	1	Rad	Uranium-234	13966-29-5	pCi/g	5/22/2006	0.100	1.1	No
207-T/200-W-53	D018	S685043	0	1	Rad	Uranium-235	15117-96-1	pCi/g	5/22/2006	0.0019	0.11	No
207-T/200-W-53	D018	S685043	0	1	Rad	Uranium-238	U-238	pCi/g	5/22/2006	0.085	1.1	No
207-T/200-W-53	D018	S609861	0	1	Rad	Cesium-137	10045-97-3	pCi/g	6/21/2004	1.8	1.1	Yes
207-T/200-W-53	D018	S609861	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	6/21/2004	-2.80E-04	0.0084	No
207-T/200-W-53	D018	S609861	0	1	Rad	Europium-152	14683-23-9	pCi/g	6/21/2004	-9.39E-03	--	--
207-T/200-W-53	D018	S609861	0	1	Rad	Europium-154	15585-10-1	pCi/g	6/21/2004	-2.89E-03	0.033	No
207-T/200-W-53	D018	S609861	0	1	Rad	Europium-155	14391-16-3	pCi/g	6/21/2004	0.0027	0.054	No
207-T/200-W-53	D018	S609861	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	6/21/2004	0.0018	0.0038	No
207-T/200-W-53	D018	S609861	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	6/21/2004	0.12	0.025	Yes
207-T/200-W-53	D018	S609861	0	1	Rad	Strontium-90	10098-97-2	pCi/g	6/21/2004	0.45	0.18	Yes
207-T/200-W-53	D018	S609861	0	1	Rad	Uranium-234	13966-29-5	pCi/g	6/21/2004	0.14	1.1	No
207-T/200-W-53	D018	S609861	0	1	Rad	Uranium-235	15117-96-1	pCi/g	6/21/2004	0.013	0.11	No
207-T/200-W-53	D018	S609861	0	1	Rad	Uranium-238	U-238	pCi/g	6/21/2004	0.14	1.1	No
207-T/200-W-53	D018	S423810	0	1	Rad	Cesium-137	10045-97-3	pCi/g	5/16/2002	0.64	1.1	No
207-T/200-W-53	D018	S423810	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	5/16/2002	1.46E-04	0.0084	No
207-T/200-W-53	D018	S423810	0	1	Rad	Europium-152	14683-23-9	pCi/g	5/16/2002	4.05E-04	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
207-T/200-W-53	D018	S423810	0	1	Rad	Europium-154	15585-10-1	pCi/g	5/16/2002	-6.44E-03	0.033	No
207-T/200-W-53	D018	S423810	0	1	Rad	Europium-155	14391-16-3	pCi/g	5/16/2002	0.0033	0.054	No
207-T/200-W-53	D018	S423810	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	5/16/2002	0.011	0.0038	Yes
207-T/200-W-53	D018	S423810	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/16/2002	0.074	0.025	Yes
207-T/200-W-53	D018	S423810	0	1	Rad	Strontium-90	10098-97-2	pCi/g	5/16/2002	0.10	0.18	No
207-T/200-W-53	D018	S423810	0	1	Rad	Uranium-234	13966-29-5	pCi/g	5/16/2002	0.16	1.1	No
207-T/200-W-53	D018	S423810	0	1	Rad	Uranium-235	15117-96-1	pCi/g	5/16/2002	0.020	0.11	No
207-T/200-W-53	D018	S423810	0	1	Rad	Uranium-238	U-238	pCi/g	5/16/2002	0.16	1.1	No
207-T/200-W-53	D018	S336968	0	1	Rad	Cesium-137	10045-97-3	pCi/g	5/10/2000	0.16	1.1	No
207-T/200-W-53	D018	S336968	0	1	Rad	Cobalt-60	10198-40-0	pCi/g	5/10/2000	-2.41E-04	0.0084	No
207-T/200-W-53	D018	S336968	0	1	Rad	Europium-152	14683-23-9	pCi/g	5/10/2000	-2.30E-03	--	--
207-T/200-W-53	D018	S336968	0	1	Rad	Europium-154	15585-10-1	pCi/g	5/10/2000	-2.32E-04	0.033	No
207-T/200-W-53	D018	S336968	0	1	Rad	Europium-155	14391-16-3	pCi/g	5/10/2000	0.0016	0.054	No
207-T/200-W-53	D018	S336968	0	1	Rad	Plutonium-238	13981-16-3	pCi/g	5/10/2000	0.015	0.0038	Yes
207-T/200-W-53	D018	S336968	0	1	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/10/2000	0.41	0.025	Yes
207-T/200-W-53	D018	S336968	0	1	Rad	Strontium-90	10098-97-2	pCi/g	5/10/2000	0.49	0.18	Yes
207-T/200-W-53	D018	S336968	0	1	Rad	Uranium-234	13966-29-5	pCi/g	5/10/2000	0.25	1.1	No
207-T/200-W-53	D018	S336968	0	1	Rad	Uranium-235	15117-96-1	pCi/g	5/10/2000	0.016	0.11	No
207-T/200-W-53	D018	S336968	0	1	Rad	Uranium-238	U-238	pCi/g	5/10/2000	0.21	1.1	No
216-A-34	C3245	B16VV9	248	250.5	non-Rad	Aluminum	7429-90-5	ug/kg	4/17/2003	7.09E+06	--	--
216-A-34	C3245	B16VV9	248	250.5	non-Rad	Barium	7440-39-3	ug/kg	4/17/2003	86,500	--	--
216-A-34	C3245	B16VV9	248	250.5	Rad	Cesium-137	10045-97-3	pCi/g	4/17/2003	0.022	--	--
216-A-34	C3245	B16VV9	248	250.5	non-Rad	Chromium	7440-47-3	ug/kg	4/17/2003	10,100	--	--
216-A-34	C3245	B16VV9	248	250.5	non-Rad	Cobalt	7440-48-4	ug/kg	4/17/2003	6,580	--	--
216-A-34	C3245	B16VV9	248	250.5	non-Rad	Copper	7440-50-8	ug/kg	4/17/2003	10,800	--	--
216-A-34	C3245	B16VV9	248	250.5	non-Rad	Manganese	7439-96-5	ug/kg	4/17/2003	271,000	--	--
216-A-34	C3245	B16VV9	248	250.5	non-Rad	Nickel	7440-02-0	ug/kg	4/17/2003	13,300	--	--
216-A-34	C3245	B16VV9	248	250.5	non-Rad	Nitrate	14797-55-8	ug/kg	4/17/2003	11,200	--	--
216-A-34	C3245	B16VV9	248	250.5	Rad	Uranium-233/234	U-233/234	pCi/g	4/17/2003	0.12	1.1	No
216-A-34	C3245	B16VV9	248	250.5	Rad	Uranium-235	15117-96-1	pCi/g	4/17/2003	0.018	0.11	No
216-A-34	C3245	B16VV9	248	250.5	Rad	Uranium-238	U-238	pCi/g	4/17/2003	0.100	1.1	No
216-A-34	C3245	B16VV9	248	250.5	non-Rad	Vanadium	7440-62-2	ug/kg	4/17/2003	52,200	--	--
216-A-34	C3245	B16VV9	248	250.5	non-Rad	Zinc	7440-66-6	ug/kg	4/17/2003	38,800	--	--
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Aluminum	7429-90-5	ug/kg	4/17/2003	6.86E+06	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Barium	7440-39-3	ug/kg	4/17/2003	62,700	--	--
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Chromium	7440-47-3	ug/kg	4/17/2003	12,100	--	--
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Cobalt	7440-48-4	ug/kg	4/17/2003	6,570	--	--
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Copper	7440-50-8	ug/kg	4/17/2003	10,600	--	--
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/17/2003	760	--	--
216-A-34	C3245	B16RY5	242.5	245	Rad	Europium-155	14391-16-3	pCi/g	4/17/2003	0.0034	--	--
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Manganese	7439-96-5	ug/kg	4/17/2003	310,000	--	--
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Nickel	7440-02-0	ug/kg	4/17/2003	13,400	--	--
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Nitrate	14797-55-8	ug/kg	4/17/2003	23,200	--	--
216-A-34	C3245	B16RY5	242.5	245	Rad	Uranium-233/234	U-233/234	pCi/g	4/17/2003	0.095	1.1	No
216-A-34	C3245	B16RY5	242.5	245	Rad	Uranium-235	15117-96-1	pCi/g	4/17/2003	0.0080	0.11	No
216-A-34	C3245	B16RY5	242.5	245	Rad	Uranium-238	U-238	pCi/g	4/17/2003	0.12	1.1	No
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Vanadium	7440-62-2	ug/kg	4/17/2003	48,500	--	--
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Zinc	7440-66-6	ug/kg	4/17/2003	36,400	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Aluminum	7429-90-5	ug/kg	4/16/2003	6.62E+06	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Arsenic	7440-38-2	ug/kg	4/16/2003	2,170	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Barium	7440-39-3	ug/kg	4/16/2003	82,800	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Bis(2-ethylhexyl) adipate	103-23-1	ug/kg	4/16/2003	470	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/16/2003	1,100	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Chromium	7440-47-3	ug/kg	4/16/2003	14,200	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Cobalt	7440-48-4	ug/kg	4/16/2003	8,140	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Copper	7440-50-8	ug/kg	4/16/2003	15,500	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/16/2003	630	--	--
216-A-34	C3245	B16RY4	207.5	210	Rad	Europium-155	14391-16-3	pCi/g	4/16/2003	0.0031	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Fluoride	16984-48-8	ug/kg	4/16/2003	2,320	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Manganese	7439-96-5	ug/kg	4/16/2003	275,000	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Molybdenum	7439-98-7	ug/kg	4/16/2003	4,390	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Nickel	7440-02-0	ug/kg	4/16/2003	10,800	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Nitrate	14797-55-8	ug/kg	4/16/2003	31,100	--	--
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Thallium	7440-28-0	ug/kg	4/16/2003	534	--	--
216-A-34	C3245	B16RY4	207.5	210	Rad	Uranium-233/234	U-233/234	pCi/g	4/16/2003	0.18	1.1	No
216-A-34	C3245	B16RY4	207.5	210	Rad	Uranium-235	15117-96-1	pCi/g	4/16/2003	0.0090	0.11	No
216-A-34	C3245	B16RY4	207.5	210	Rad	Uranium-238	U-238	pCi/g	4/16/2003	0.21	1.1	No
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Vanadium	7440-62-2	ug/kg	4/16/2003	62,000	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Zinc	7440-66-6	ug/kg	4/16/2003	85,600	--	--
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Aluminum	7429-90-5	ug/kg	4/9/2003	5.50E+06	--	--
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Arsenic	7440-38-2	ug/kg	4/9/2003	2,680	--	--
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Barium	7440-39-3	ug/kg	4/9/2003	56,300	--	--
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Chromium	7440-47-3	ug/kg	4/9/2003	7,990	--	--
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Cobalt	7440-48-4	ug/kg	4/9/2003	4,790	--	--
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Copper	7440-50-8	ug/kg	4/9/2003	9,430	--	--
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/9/2003	930	--	--
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Manganese	7439-96-5	ug/kg	4/9/2003	237,000	--	--
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Nickel	7440-02-0	ug/kg	4/9/2003	8,020	--	--
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Nitrate	14797-55-8	ug/kg	4/9/2003	116,000	--	--
216-A-34	C3245	B16RY3	97.5	100	Rad	Uranium-233/234	U-233/234	pCi/g	4/9/2003	0.15	1.1	No
216-A-34	C3245	B16RY3	97.5	100	Rad	Uranium-235	15117-96-1	pCi/g	4/9/2003	0.0090	0.11	No
216-A-34	C3245	B16RY3	97.5	100	Rad	Uranium-238	U-238	pCi/g	4/9/2003	0.14	1.1	No
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Vanadium	7440-62-2	ug/kg	4/9/2003	35,900	--	--
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Zinc	7440-66-6	ug/kg	4/9/2003	31,400	--	--
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Aluminum	7429-90-5	ug/kg	4/7/2003	6.48E+06	--	--
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Barium	7440-39-3	ug/kg	4/7/2003	90,900	--	--
216-A-34	C3245	B16RY2	47.5	50	Rad	Cesium-137	10045-97-3	pCi/g	4/7/2003	0.016	--	--
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Chromium	7440-47-3	ug/kg	4/7/2003	9,310	--	--
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Cobalt	7440-48-4	ug/kg	4/7/2003	7,510	--	--
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Copper	7440-50-8	ug/kg	4/7/2003	11,600	--	--
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/7/2003	600	--	--
216-A-34	C3245	B16RY2	47.5	50	Rad	Europium-155	14391-16-3	pCi/g	4/7/2003	0.0052	--	--
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Fluoride	16984-48-8	ug/kg	4/7/2003	843	--	--
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Manganese	7439-96-5	ug/kg	4/7/2003	324,000	--	--
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Nickel	7440-02-0	ug/kg	4/7/2003	12,400	--	--
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Nitrate	14797-55-8	ug/kg	4/7/2003	14,300	--	--
216-A-34	C3245	B16RY2	47.5	50	Rad	Plutonium-239/240	PU-239/240	pCi/g	4/7/2003	0.014	--	--
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Uranium	7440-61-1	ug/kg	4/7/2003	2,760	--	--
216-A-34	C3245	B16RY2	47.5	50	Rad	Uranium-233/234	U-233/234	pCi/g	4/7/2003	0.24	1.1	No
216-A-34	C3245	B16RY2	47.5	50	Rad	Uranium-235	15117-96-1	pCi/g	4/7/2003	0.020	0.11	No
216-A-34	C3245	B16RY2	47.5	50	Rad	Uranium-238	U-238	pCi/g	4/7/2003	0.98	1.1	No
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Vanadium	7440-62-2	ug/kg	4/7/2003	64,900	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Zinc	7440-66-6	ug/kg	4/7/2003	41,300	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Aluminum	7429-90-5	ug/kg	4/7/2003	7.49E+06	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Arsenic	7440-38-2	ug/kg	4/7/2003	2,200	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Barium	7440-39-3	ug/kg	4/7/2003	88,600	--	--
216-A-34	C3245	B16RY1	32.5	35	Rad	Cesium-137	10045-97-3	pCi/g	4/7/2003	0.049	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Chromium	7440-47-3	ug/kg	4/7/2003	5,550	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Cobalt	7440-48-4	ug/kg	4/7/2003	11,300	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Copper	7440-50-8	ug/kg	4/7/2003	15,300	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/7/2003	1,000	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Fluoride	16984-48-8	ug/kg	4/7/2003	2,450	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Manganese	7439-96-5	ug/kg	4/7/2003	433,000	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Nickel	7440-02-0	ug/kg	4/7/2003	7,410	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Nitrate	14797-55-8	ug/kg	4/7/2003	4.65E+06	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Nitrite	14797-65-0	ug/kg	4/7/2003	3,680	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Tributyl phosphate	126-73-8	ug/kg	4/7/2003	29,000	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Uranium	7440-61-1	ug/kg	4/7/2003	19,100	--	--
216-A-34	C3245	B16RY1	32.5	35	Rad	Uranium-233/234	U-233/234	pCi/g	4/7/2003	1.1	1.1	No
216-A-34	C3245	B16RY1	32.5	35	Rad	Uranium-235	15117-96-1	pCi/g	4/7/2003	0.13	0.11	Yes
216-A-34	C3245	B16RY1	32.5	35	Rad	Uranium-238	U-238	pCi/g	4/7/2003	7.4	1.1	Yes
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Vanadium	7440-62-2	ug/kg	4/7/2003	104,000	--	--
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Zinc	7440-66-6	ug/kg	4/7/2003	50,000	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Aluminum	7429-90-5	ug/kg	4/7/2003	6.45E+06	--	--
216-A-34	C3245	B16RY0	27.5	30	Rad	Americium-241	14596-10-2	pCi/g	4/7/2003	0.0058	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Barium	7440-39-3	ug/kg	4/7/2003	66,300	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Chromium	7440-47-3	ug/kg	4/7/2003	3,710	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Cobalt	7440-48-4	ug/kg	4/7/2003	10,500	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Copper	7440-50-8	ug/kg	4/7/2003	15,000	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/7/2003	790	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Fluoride	16984-48-8	ug/kg	4/7/2003	1,820	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Manganese	7439-96-5	ug/kg	4/7/2003	354,000	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Nickel	7440-02-0	ug/kg	4/7/2003	6,320	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Nitrate	14797-55-8	ug/kg	4/7/2003	4.36E+07	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Nitrite	14797-65-0	ug/kg	4/7/2003	3,280	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Thallium	7440-28-0	ug/kg	4/7/2003	580	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Tributyl phosphate	126-73-8	ug/kg	4/7/2003	8,500	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Uranium	7440-61-1	ug/kg	4/7/2003	66,000	--	--
216-A-34	C3245	B16RY0	27.5	30	Rad	Uranium-233/234	U-233/234	pCi/g	4/7/2003	2.6	1.1	Yes
216-A-34	C3245	B16RY0	27.5	30	Rad	Uranium-235	15117-96-1	pCi/g	4/7/2003	0.34	0.11	Yes
216-A-34	C3245	B16RY0	27.5	30	Rad	Uranium-238	U-238	pCi/g	4/7/2003	22	1.1	Yes
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Vanadium	7440-62-2	ug/kg	4/7/2003	107,000	--	--
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Zinc	7440-66-6	ug/kg	4/7/2003	52,100	--	--
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Barium	7440-39-3	ug/kg	4/4/2003	85,800	--	--
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Beryllium	7440-41-7	ug/kg	4/4/2003	256	--	--
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Cadmium	7440-43-9	ug/kg	4/4/2003	208	--	--
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Chromium	7440-47-3	ug/kg	4/4/2003	4,910	--	--
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Cobalt	7440-48-4	ug/kg	4/4/2003	10,500	--	--
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Copper	7440-50-8	ug/kg	4/4/2003	13,000	--	--
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Fluoride	16984-48-8	ug/kg	4/4/2003	1,030	--	--
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Manganese	7439-96-5	ug/kg	4/4/2003	456,000	--	--
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Nickel	7440-02-0	ug/kg	4/4/2003	6,900	--	--
216-A-34	C3245	B16RX9	22.5	25	Rad	Plutonium-239/240	PU-239/240	pCi/g	4/4/2003	0.030	--	--
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Tributyl phosphate	126-73-8	ug/kg	4/4/2003	100	--	--
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Uranium	7440-61-1	ug/kg	4/4/2003	130,000	--	--
216-A-34	C3245	B16RX9	22.5	25	Rad	Uranium-233/234	U-233/234	pCi/g	4/4/2003	5.4	1.1	Yes
216-A-34	C3245	B16RX9	22.5	25	Rad	Uranium-235	15117-96-1	pCi/g	4/4/2003	0.65	0.11	Yes
216-A-34	C3245	B16RX9	22.5	25	Rad	Uranium-238	U-238	pCi/g	4/4/2003	41	1.1	Yes
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Vanadium	7440-62-2	ug/kg	4/4/2003	108,000	--	--
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Aluminum	7429-90-5	ug/kg	4/4/2003	6.97E+06	--	--
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Arsenic	7440-38-2	ug/kg	4/4/2003	2,810	--	--
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/4/2003	620	--	--
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Boron	7440-42-8	ug/kg	4/4/2003	34,330	--	--
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Lead	7439-92-1	ug/kg	4/4/2003	2,800	--	--
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Molybdenum	7439-98-7	ug/kg	4/4/2003	1,540	--	--
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Nitrate	14797-55-8	ug/kg	4/4/2003	1.98E+06	--	--
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Nitrite	14797-65-0	ug/kg	4/4/2003	1,480	--	--
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Silver	7440-22-4	ug/kg	4/4/2003	118	--	--
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Thallium	7440-28-0	ug/kg	4/4/2003	121	--	--
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/4/2003	7,800	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Zinc	7440-66-6	ug/kg	4/4/2003	58,800	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Aluminum	7429-90-5	ug/kg	4/4/2003	5.27E+06	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Arsenic	7440-38-2	ug/kg	4/4/2003	3,480	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Barium	7440-39-3	ug/kg	4/4/2003	92,700	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Beryllium	7440-41-7	ug/kg	4/4/2003	231	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/4/2003	680	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Boron	7440-42-8	ug/kg	4/4/2003	31,210	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Cadmium	7440-43-9	ug/kg	4/4/2003	186	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Chromium	7440-47-3	ug/kg	4/4/2003	4,950	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Cobalt	7440-48-4	ug/kg	4/4/2003	10,500	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Copper	7440-50-8	ug/kg	4/4/2003	13,000	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/4/2003	420	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Fluoride	16984-48-8	ug/kg	4/4/2003	1,620	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Lead	7439-92-1	ug/kg	4/4/2003	2,340	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Manganese	7439-96-5	ug/kg	4/4/2003	538,000	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Nickel	7440-02-0	ug/kg	4/4/2003	8,260	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Nitrate	14797-55-8	ug/kg	4/4/2003	1.83E+06	--	--
216-A-34	C3245	B16RX7	17.5	20	Rad	Plutonium-239/240	PU-239/240	pCi/g	4/4/2003	0.035	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Silver	7440-22-4	ug/kg	4/4/2003	109	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Thallium	7440-28-0	ug/kg	4/4/2003	78	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/4/2003	300,000	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Tributyl phosphate	126-73-8	ug/kg	4/4/2003	130,000	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Uranium	7440-61-1	ug/kg	4/4/2003	39,600	--	--
216-A-34	C3245	B16RX7	17.5	20	Rad	Uranium-233/234	U-233/234	pCi/g	4/4/2003	1.8	1.1	Yes
216-A-34	C3245	B16RX7	17.5	20	Rad	Uranium-235	15117-96-1	pCi/g	4/4/2003	0.22	0.11	Yes
216-A-34	C3245	B16RX7	17.5	20	Rad	Uranium-238	U-238	pCi/g	4/4/2003	14	1.1	Yes
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Vanadium	7440-62-2	ug/kg	4/4/2003	99,600	--	--
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Zinc	7440-66-6	ug/kg	4/4/2003	57,300	--	--
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Aluminum	7429-90-5	ug/kg	4/4/2003	5.89E+06	1.18E+07	No
216-A-34	C3245	B16RX6	14.5	17	Rad	Americium-241	14596-10-2	pCi/g	4/4/2003	0.079	--	--
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Arsenic	7440-38-2	ug/kg	4/4/2003	7,000	20,000	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Barium	7440-39-3	ug/kg	4/4/2003	98,900	132,000	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Beryllium	7440-41-7	ug/kg	4/4/2003	241	1,510	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/4/2003	660	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Boron	7440-42-8	ug/kg	4/4/2003	38,930	3,890	Yes
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Cadmium	7440-43-9	ug/kg	4/4/2003	211	563	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Chromium	7440-47-3	ug/kg	4/4/2003	5,310	18,500	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Cobalt	7440-48-4	ug/kg	4/4/2003	9,710	15,700	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Copper	7440-50-8	ug/kg	4/4/2003	13,400	22,000	No
216-A-34	C3245	B16RX6	14.5	17	Rad	Europium-155	14391-16-3	pCi/g	4/4/2003	0.0058	0.054	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Fluoride	16984-48-8	ug/kg	4/4/2003	5,620	2,810	Yes
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Lead	7439-92-1	ug/kg	4/4/2003	3,180	10,200	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Manganese	7439-96-5	ug/kg	4/4/2003	430,000	512,000	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Nickel	7440-02-0	ug/kg	4/4/2003	8,540	19,100	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Nitrate	14797-55-8	ug/kg	4/4/2003	2.42E+06	52,000	Yes
216-A-34	C3245	B16RX6	14.5	17	Rad	Plutonium-239/240	PU-239/240	pCi/g	4/4/2003	0.18	0.025	Yes
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Thallium	7440-28-0	ug/kg	4/4/2003	68	185	No
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/4/2003	230,000	--	--
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Tributyl phosphate	126-73-8	ug/kg	4/4/2003	280,000	--	--
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Uranium	7440-61-1	ug/kg	4/4/2003	129,000	3,210	Yes
216-A-34	C3245	B16RX6	14.5	17	Rad	Uranium-233/234	U-233/234	pCi/g	4/4/2003	6.0	1.1	Yes
216-A-34	C3245	B16RX6	14.5	17	Rad	Uranium-234	13966-29-5	pCi/g	4/4/2003	6.0	1.1	Yes
216-A-34	C3245	B16RX6	14.5	17	Rad	Uranium-235	15117-96-1	pCi/g	4/4/2003	0.94	0.11	Yes
216-A-34	C3245	B16RX6	14.5	17	Rad	Uranium-238	U-238	pCi/g	4/4/2003	51	1.1	Yes
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Vanadium	7440-62-2	ug/kg	4/4/2003	96,100	85,100	Yes
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Zinc	7440-66-6	ug/kg	4/4/2003	56,600	67,800	No
216-A-34	C3245	B16RX5	248	250	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/17/2003	2,000	--	--
216-A-34	C3245	B16RX5	248	250	Rad	Tritium	10028-17-8	pCi/g	4/17/2003	0.17	--	--
216-A-34	C3245	B16RX4	242.5	245	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/17/2003	4,500	--	--
216-A-34	C3245	B16RX3	207.5	210	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/16/2003	7,800	--	--
216-A-34	C3245	B16RX2	97.5	100	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/9/2003	24,800	--	--
216-A-34	C3245	B16RX1	47.5	50	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/7/2003	3,100	--	--
216-A-34	C3245	B16RX0	32.5	35	Rad	Nickel-63	13981-37-8	pCi/g	4/7/2003	9.0	--	--
216-A-34	C3245	B16RX0	32.5	35	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/7/2003	1.12E+06	--	--
216-A-34	C3245	B16RW9	27.5	30	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/7/2003	861,000	--	--
216-A-34	C3245	B16RW8	22.5	25	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/4/2003	501,000	--	--
216-A-34	C3245	B16RW7	22.5	25	Rad	Strontium-90	10098-97-2	pCi/g	4/4/2003	5.2	--	--
216-A-34	C3245	B16RW6	17.5	20	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/4/2003	476,000	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
216-A-34	C3245	B16RW6	17.5	20	Rad	Strontium-90	10098-97-2	pCi/g	4/4/2003	13	--	--
216-A-34	C3245	B16RW5	14.5	17	Rad	Nickel-63	13981-37-8	pCi/g	4/4/2003	16	--	--
216-A-34	C3245	B16RW5	14.5	17	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/4/2003	544,000	--	--
216-A-34	C3245	B16RW5	14.5	17	Rad	Strontium-90	10098-97-2	pCi/g	4/4/2003	11	0.18	Yes
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Aluminum	7429-90-5	ug/kg	2/22/2010	4.28E+06	--	--
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Antimony	7440-36-0	ug/kg	2/22/2010	430	--	--
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Arsenic	7440-38-2	ug/kg	2/22/2010	1,040	--	--
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Cadmium	7440-43-9	ug/kg	2/22/2010	140	--	--
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Chromium	7440-47-3	ug/kg	2/22/2010	21,100	--	--
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Hexane	110-54-3	ug/kg	2/22/2010	230	--	--
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	2/22/2010	110	--	--
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Iron	7439-89-6	ug/kg	2/22/2010	1.23E+07	--	--
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Nickel	7440-02-0	ug/kg	2/22/2010	6,940	--	--
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Silver	7440-22-4	ug/kg	2/22/2010	410	--	--
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Uranium	7440-61-1	ug/kg	2/22/2010	400	--	--
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	Rad	Uranium-233/234	U-233/234	pCi/g	2/22/2010	0.12	1.1	No
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	Rad	Uranium-238	U-238	pCi/g	2/22/2010	0.13	1.1	No
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	non-Rad	Aluminum	7429-90-5	ug/kg	2/12/2010	4.12E+06	--	--
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	Rad	Americium-241	14596-10-2	pCi/g	2/12/2010	0.028	--	--
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	non-Rad	Arsenic	7440-38-2	ug/kg	2/12/2010	1,080	--	--
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	non-Rad	Chromium	7440-47-3	ug/kg	2/12/2010	14,400	--	--
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	non-Rad	Hexane	110-54-3	ug/kg	2/12/2010	44	--	--
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	non-Rad	Iron	7439-89-6	ug/kg	2/12/2010	1.17E+07	--	--
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	non-Rad	Nickel	7440-02-0	ug/kg	2/12/2010	10,100	--	--
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	non-Rad	Nitrate	14797-55-8	ug/kg	2/12/2010	62,900	--	--
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/12/2010	0.16	--	--
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	Rad	Tritium	10028-17-8	pCi/g	2/12/2010	16	--	--
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	non-Rad	Uranium	7440-61-1	ug/kg	2/12/2010	430	--	--
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	Rad	Uranium-233/234	U-233/234	pCi/g	2/12/2010	0.15	1.1	No
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	Rad	Uranium-235	15117-96-1	pCi/g	2/12/2010	0.030	0.11	No
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	Rad	Uranium-238	U-238	pCi/g	2/12/2010	0.13	1.1	No
UPR-200-E-64	299-E28-30	B23PV9	314.1	316.6	non-Rad	Arsenic	7440-38-2	ug/kg	2/9/2010	1,220	--	--
UPR-200-E-64	299-E28-30	B23PV9	314.1	316.6	non-Rad	Chromium	7440-47-3	ug/kg	2/9/2010	8,860	--	--
UPR-200-E-64	299-E28-30	B23PV9	314.1	316.6	non-Rad	Hexane	110-54-3	ug/kg	2/9/2010	230	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-64	299-E28-30	B23PV9	314.1	316.6	non-Rad	Iron	7439-89-6	ug/kg	2/9/2010	8.79E+06	--	--
UPR-200-E-64	299-E28-30	B23PV9	314.1	316.6	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/9/2010	0.020	--	--
UPR-200-E-64	299-E28-30	B23PV9	314.1	316.6	non-Rad	Uranium	7440-61-1	ug/kg	2/9/2010	260	--	--
UPR-200-E-64	299-E28-30	B23PV8	314.1	316.6	non-Rad	Aluminum	7429-90-5	ug/kg	2/9/2010	3.97E+06	--	--
UPR-200-E-64	299-E28-30	B23PV8	314.1	316.6	Rad	Americium-241	14596-10-2	pCi/g	2/9/2010	0.026	--	--
UPR-200-E-64	299-E28-30	B23PV8	314.1	316.6	non-Rad	Nickel	7440-02-0	ug/kg	2/9/2010	8,390	--	--
UPR-200-E-64	299-E28-30	B23PV8	314.1	316.6	non-Rad	Nitrate	14797-55-8	ug/kg	2/9/2010	25,300	--	--
UPR-200-E-64	299-E28-30	B23PV8	314.1	316.6	non-Rad	Trichloromonofluoromethane	75-69-4	ug/kg	2/9/2010	4.1	--	--
UPR-200-E-64	299-E28-30	B23PV8	314.1	316.6	Rad	Uranium-233/234	U-233/234	pCi/g	2/9/2010	0.26	1.1	No
UPR-200-E-64	299-E28-30	B23PV8	314.1	316.6	Rad	Uranium-235	15117-96-1	pCi/g	2/9/2010	0.021	0.11	No
UPR-200-E-64	299-E28-30	B23PV8	314.1	316.6	Rad	Uranium-238	U-238	pCi/g	2/9/2010	0.28	1.1	No
UPR-200-E-64	299-E28-30	B235T8	0	299.7	non-Rad	Aluminum	7429-90-5	ug/kg	2/8/2010	4.37E+06	--	--
UPR-200-E-64	299-E28-30	B235T8	0	299.7	non-Rad	Antimony	7440-36-0	ug/kg	2/8/2010	241	--	--
UPR-200-E-64	299-E28-30	B235T8	0	299.7	non-Rad	Arsenic	7440-38-2	ug/kg	2/8/2010	716	--	--
UPR-200-E-64	299-E28-30	B235T8	0	299.7	non-Rad	Chromium	7440-47-3	ug/kg	2/8/2010	9,800	--	--
UPR-200-E-64	299-E28-30	B235T8	0	299.7	non-Rad	Copper	7440-50-8	ug/kg	2/8/2010	7,340	--	--
UPR-200-E-64	299-E28-30	B235T8	0	299.7	non-Rad	Fluoride	16984-48-8	ug/kg	2/8/2010	714	--	--
UPR-200-E-64	299-E28-30	B235T8	0	299.7	non-Rad	Iron	7439-89-6	ug/kg	2/8/2010	1.06E+07	--	--
UPR-200-E-64	299-E28-30	B235T8	0	299.7	non-Rad	Manganese	7439-96-5	ug/kg	2/8/2010	187,000	--	--
UPR-200-E-64	299-E28-30	B235T8	0	299.7	non-Rad	Nickel	7440-02-0	ug/kg	2/8/2010	7,460	--	--
UPR-200-E-64	299-E28-30	B235T8	0	299.7	non-Rad	Nitrate	14797-55-8	ug/kg	2/8/2010	1,540	--	--
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Aluminum	7429-90-5	ug/kg	2/3/2010	4.53E+06	--	--
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Arsenic	7440-38-2	ug/kg	2/3/2010	444	--	--
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Chromium	7440-47-3	ug/kg	2/3/2010	15,400	--	--
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Fluoride	16984-48-8	ug/kg	2/3/2010	571	--	--
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Iron	7439-89-6	ug/kg	2/3/2010	1.67E+07	--	--
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Manganese	7439-96-5	ug/kg	2/3/2010	253,000	--	--
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Nickel	7440-02-0	ug/kg	2/3/2010	6,750	--	--
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Nitrate	14797-55-8	ug/kg	2/3/2010	10,900	--	--
UPR-200-E-64	299-E28-30	B235R2	0	259.5	non-Rad	Aluminum	7429-90-5	ug/kg	2/1/2010	4.15E+06	--	--
UPR-200-E-64	299-E28-30	B235R2	0	259.5	non-Rad	Arsenic	7440-38-2	ug/kg	2/1/2010	659	--	--
UPR-200-E-64	299-E28-30	B235R2	0	259.5	non-Rad	Chromium	7440-47-3	ug/kg	2/1/2010	6,220	--	--
UPR-200-E-64	299-E28-30	B235R2	0	259.5	non-Rad	Fluoride	16984-48-8	ug/kg	2/1/2010	703	--	--
UPR-200-E-64	299-E28-30	B235R2	0	259.5	non-Rad	Iron	7439-89-6	ug/kg	2/1/2010	1.15E+07	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-64	299-E28-30	B235R2	0	259.5	non-Rad	Manganese	7439-96-5	ug/kg	2/1/2010	172,000	--	--
UPR-200-E-64	299-E28-30	B235R2	0	259.5	non-Rad	Nickel	7440-02-0	ug/kg	2/1/2010	6,220	--	--
UPR-200-E-64	299-E28-30	B235R2	0	259.5	non-Rad	Nitrate	14797-55-8	ug/kg	2/1/2010	16,500	--	--
UPR-200-E-64	299-E28-30	B235R2	0	259.5	non-Rad	Nitrite	14797-65-0	ug/kg	2/1/2010	3,870	--	--
UPR-200-E-64	299-E28-30	B235N9	0	227.5	non-Rad	Aluminum	7429-90-5	ug/kg	1/28/2010	4.14E+06	--	--
UPR-200-E-64	299-E28-30	B235N9	0	227.5	non-Rad	Arsenic	7440-38-2	ug/kg	1/28/2010	998	--	--
UPR-200-E-64	299-E28-30	B235N9	0	227.5	non-Rad	Chromium	7440-47-3	ug/kg	1/28/2010	5,710	--	--
UPR-200-E-64	299-E28-30	B235N9	0	227.5	non-Rad	Fluoride	16984-48-8	ug/kg	1/28/2010	420	--	--
UPR-200-E-64	299-E28-30	B235N9	0	227.5	non-Rad	Iron	7439-89-6	ug/kg	1/28/2010	1.00E+07	--	--
UPR-200-E-64	299-E28-30	B235N9	0	227.5	non-Rad	Manganese	7439-96-5	ug/kg	1/28/2010	173,000	--	--
UPR-200-E-64	299-E28-30	B235N9	0	227.5	non-Rad	Nickel	7440-02-0	ug/kg	1/28/2010	6,780	--	--
UPR-200-E-64	299-E28-30	B235N9	0	227.5	non-Rad	Nitrate	14797-55-8	ug/kg	1/28/2010	22,200	--	--
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Aluminum	7429-90-5	ug/kg	1/25/2010	4.43E+06	--	--
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Arsenic	7440-38-2	ug/kg	1/25/2010	2,840	--	--
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Chromium	7440-47-3	ug/kg	1/25/2010	8,060	--	--
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Iron	7439-89-6	ug/kg	1/25/2010	8.64E+06	--	--
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Manganese	7439-96-5	ug/kg	1/25/2010	183,000	--	--
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Nickel	7440-02-0	ug/kg	1/25/2010	9,190	--	--
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Nitrate	14797-55-8	ug/kg	1/25/2010	528,000	--	--
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Aluminum	7429-90-5	ug/kg	1/19/2010	5.29E+06	--	--
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Arsenic	7440-38-2	ug/kg	1/19/2010	1,660	--	--
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Chromium	7440-47-3	ug/kg	1/19/2010	7,660	--	--
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Iron	7439-89-6	ug/kg	1/19/2010	1.09E+07	--	--
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Manganese	7439-96-5	ug/kg	1/19/2010	210,000	--	--
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Nickel	7440-02-0	ug/kg	1/19/2010	7,540	--	--
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Nitrate	14797-55-8	ug/kg	1/19/2010	972,000	--	--
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Aluminum	7429-90-5	ug/kg	1/19/2010	3.87E+06	--	--
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Arsenic	7440-38-2	ug/kg	1/19/2010	2,780	--	--
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Chromium	7440-47-3	ug/kg	1/19/2010	8,700	--	--
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Iron	7439-89-6	ug/kg	1/19/2010	9.15E+06	--	--
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Manganese	7439-96-5	ug/kg	1/19/2010	177,000	--	--
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Nickel	7440-02-0	ug/kg	1/19/2010	9,210	--	--
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Nitrate	14797-55-8	ug/kg	1/19/2010	2.57E+06	--	--
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Aluminum	7429-90-5	ug/kg	1/15/2010	4.58E+06	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Arsenic	7440-38-2	ug/kg	1/15/2010	1,900	--	--
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Chromium	7440-47-3	ug/kg	1/15/2010	8,100	--	--
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Iron	7439-89-6	ug/kg	1/15/2010	9.52E+06	--	--
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Manganese	7439-96-5	ug/kg	1/15/2010	188,000	--	--
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Nickel	7440-02-0	ug/kg	1/15/2010	8,400	--	--
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Nitrate	14797-55-8	ug/kg	1/15/2010	1.40E+06	--	--
UPR-200-E-64	299-E28-30	B235J0	102.8	105.3	non-Rad	Aluminum	7429-90-5	ug/kg	1/14/2010	4.73E+06	--	--
UPR-200-E-64	299-E28-30	B235J0	102.8	105.3	non-Rad	Arsenic	7440-38-2	ug/kg	1/14/2010	1,870	--	--
UPR-200-E-64	299-E28-30	B235J0	102.8	105.3	non-Rad	Chromium	7440-47-3	ug/kg	1/14/2010	7,890	--	--
UPR-200-E-64	299-E28-30	B235J0	102.8	105.3	non-Rad	Iron	7439-89-6	ug/kg	1/14/2010	1.05E+07	--	--
UPR-200-E-64	299-E28-30	B235J0	102.8	105.3	non-Rad	Manganese	7439-96-5	ug/kg	1/14/2010	198,000	--	--
UPR-200-E-64	299-E28-30	B235J0	102.8	105.3	non-Rad	Nickel	7440-02-0	ug/kg	1/14/2010	8,520	--	--
UPR-200-E-64	299-E28-30	B235J0	102.8	105.3	non-Rad	Nitrate	14797-55-8	ug/kg	1/14/2010	792,000	--	--
UPR-200-E-64	299-E28-30	B235H1	0	82.6	non-Rad	Aluminum	7429-90-5	ug/kg	1/13/2010	5.51E+06	--	--
UPR-200-E-64	299-E28-30	B235H1	0	82.6	non-Rad	Arsenic	7440-38-2	ug/kg	1/13/2010	1,500	--	--
UPR-200-E-64	299-E28-30	B235H1	0	82.6	non-Rad	Chromium	7440-47-3	ug/kg	1/13/2010	8,210	--	--
UPR-200-E-64	299-E28-30	B235H1	0	82.6	non-Rad	Iron	7439-89-6	ug/kg	1/13/2010	1.07E+07	--	--
UPR-200-E-64	299-E28-30	B235H1	0	82.6	non-Rad	Manganese	7439-96-5	ug/kg	1/13/2010	209,000	--	--
UPR-200-E-64	299-E28-30	B235H1	0	82.6	non-Rad	Nickel	7440-02-0	ug/kg	1/13/2010	8,660	--	--
UPR-200-E-64	299-E28-30	B235H1	0	82.6	non-Rad	Nitrate	14797-55-8	ug/kg	1/13/2010	339,000	--	--
UPR-200-E-64	C5942	B1TFT1	27.5	30	Rad	Tritium	10028-17-8	pCi/g	2/14/2008	0.012	--	--
UPR-200-E-64	C5942	B1TFR4	17	19.5	Rad	Americium-241	14596-10-2	pCi/g	2/13/2008	11	--	--
UPR-200-E-64	C5942	B1TFR4	17	19.5	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/13/2008	0.85	--	--
UPR-200-E-64	C5942	B1TFR4	17	19.5	Rad	Strontium-90	10098-97-2	pCi/g	2/13/2008	8,338	--	--
UPR-200-E-64	C5942	B1TFR3	17	19.5	Rad	Cesium-137	10045-97-3	pCi/g	2/13/2008	20,397	--	--
UPR-200-E-64	C5942	B1TFP8	17	19.5	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	2/13/2008	320	--	--
UPR-200-E-64	C5942	B1TFP4	47.5	50	Rad	Americium-241	14596-10-2	pCi/g	2/19/2008	0.085	--	--
UPR-200-E-64	C5942	B1TFP4	47.5	50	non-Rad	Arsenic	7440-38-2	ug/kg	2/19/2008	5,660	--	--
UPR-200-E-64	C5942	B1TFP4	47.5	50	non-Rad	Barium	7440-39-3	ug/kg	2/19/2008	62,600	--	--
UPR-200-E-64	C5942	B1TFP4	47.5	50	non-Rad	Beryllium	7440-41-7	ug/kg	2/19/2008	190	--	--
UPR-200-E-64	C5942	B1TFP4	47.5	50	Rad	Cesium-137	10045-97-3	pCi/g	2/19/2008	0.13	--	--
UPR-200-E-64	C5942	B1TFP4	47.5	50	non-Rad	Chromium	7440-47-3	ug/kg	2/19/2008	10,200	--	--
UPR-200-E-64	C5942	B1TFP4	47.5	50	non-Rad	Copper	7440-50-8	ug/kg	2/19/2008	8,490	--	--
UPR-200-E-64	C5942	B1TFP4	47.5	50	non-Rad	Lead	7439-92-1	ug/kg	2/19/2008	3,280	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-64	C5942	B1TFP4	47.5	50	non-Rad	Nickel	7440-02-0	ug/kg	2/19/2008	10,500	--	--
UPR-200-E-64	C5942	B1TFP4	47.5	50	non-Rad	Nitrate	14797-55-8	ug/kg	2/19/2008	1,440	--	--
UPR-200-E-64	C5942	B1TFP4	47.5	50	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/19/2008	0.017	--	--
UPR-200-E-64	C5942	B1TFP4	47.5	50	non-Rad	Selenium	7782-49-2	ug/kg	2/19/2008	640	--	--
UPR-200-E-64	C5942	B1TFP4	47.5	50	Rad	Uranium-233/234	U-233/234	pCi/g	2/19/2008	0.13	1.1	No
UPR-200-E-64	C5942	B1TFP4	47.5	50	Rad	Uranium-235	15117-96-1	pCi/g	2/19/2008	0.025	0.11	No
UPR-200-E-64	C5942	B1TFP4	47.5	50	Rad	Uranium-238	U-238	pCi/g	2/19/2008	0.15	1.1	No
UPR-200-E-64	C5942	B1TFP4	47.5	50	non-Rad	Zinc	7440-66-6	ug/kg	2/19/2008	30,500	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	Rad	Americium-241	14596-10-2	pCi/g	2/14/2008	0.12	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	non-Rad	Arsenic	7440-38-2	ug/kg	2/14/2008	1,850	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	non-Rad	Barium	7440-39-3	ug/kg	2/14/2008	55,400	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	non-Rad	Beryllium	7440-41-7	ug/kg	2/14/2008	200	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	Rad	Cesium-137	10045-97-3	pCi/g	2/14/2008	0.014	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	non-Rad	Chromium	7440-47-3	ug/kg	2/14/2008	5,510	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	non-Rad	Copper	7440-50-8	ug/kg	2/14/2008	9,250	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	non-Rad	Lead	7439-92-1	ug/kg	2/14/2008	2,660	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	non-Rad	Nickel	7440-02-0	ug/kg	2/14/2008	6,220	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	non-Rad	Nitrate	14797-55-8	ug/kg	2/14/2008	3,520	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	non-Rad	Selenium	7782-49-2	ug/kg	2/14/2008	520	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	Rad	Strontium-90	10098-97-2	pCi/g	2/14/2008	75	--	--
UPR-200-E-64	C5942	B1TFP3	27.5	30	Rad	Uranium-233/234	U-233/234	pCi/g	2/14/2008	0.22	1.1	No
UPR-200-E-64	C5942	B1TFP3	27.5	30	Rad	Uranium-235	15117-96-1	pCi/g	2/14/2008	0.048	0.11	No
UPR-200-E-64	C5942	B1TFP3	27.5	30	Rad	Uranium-238	U-238	pCi/g	2/14/2008	0.18	1.1	No
UPR-200-E-64	C5942	B1TFP3	27.5	30	non-Rad	Zinc	7440-66-6	ug/kg	2/14/2008	27,900	--	--
UPR-200-E-64	C5942	B1TFP2	17	19.5	non-Rad	Arsenic	7440-38-2	ug/kg	2/13/2008	1,300	--	--
UPR-200-E-64	C5942	B1TFP2	17	19.5	non-Rad	Barium	7440-39-3	ug/kg	2/13/2008	76,100	--	--
UPR-200-E-64	C5942	B1TFP2	17	19.5	non-Rad	Beryllium	7440-41-7	ug/kg	2/13/2008	270	--	--
UPR-200-E-64	C5942	B1TFP2	17	19.5	non-Rad	Chromium	7440-47-3	ug/kg	2/13/2008	8,700	--	--
UPR-200-E-64	C5942	B1TFP2	17	19.5	non-Rad	Lead	7439-92-1	ug/kg	2/13/2008	3,600	--	--
UPR-200-E-64	C5942	B1TFP2	17	19.5	non-Rad	Nickel	7440-02-0	ug/kg	2/13/2008	8,100	--	--
UPR-200-E-64	C5942	B1TFP2	17	19.5	non-Rad	Zinc	7440-66-6	ug/kg	2/13/2008	37,500	--	--
UPR-200-E-64	C5942	B1TFP1	17	19.5	non-Rad	Copper	7440-50-8	ug/kg	2/13/2008	9,600	--	--
UPR-200-E-64	C5942	B1TFP1	17	19.5	non-Rad	Mercury	7439-97-6	ug/kg	2/13/2008	76	--	--
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Americium-241	14596-10-2	pCi/g	2/12/2008	8.9	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Arsenic	7440-38-2	ug/kg	2/12/2008	2,700	20,000	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Barium	7440-39-3	ug/kg	2/12/2008	76,000	132,000	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Beryllium	7440-41-7	ug/kg	2/12/2008	280	1,510	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Cesium-137	10045-97-3	pCi/g	2/12/2008	2,831	1.1	Yes
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Chromium	7440-47-3	ug/kg	2/12/2008	8,740	18,500	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Copper	7440-50-8	ug/kg	2/12/2008	15,500	22,000	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Europium-154	15585-10-1	pCi/g	2/12/2008	1.6	0.033	Yes
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Lead	7439-92-1	ug/kg	2/12/2008	3,140	10,200	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Mercury	7439-97-6	ug/kg	2/12/2008	500	13	Yes
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Nickel	7440-02-0	ug/kg	2/12/2008	9,840	19,100	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Nitrate	14797-55-8	ug/kg	2/12/2008	6,950	52,000	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Plutonium-238	13981-16-3	pCi/g	2/12/2008	0.24	0.0038	Yes
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/12/2008	0.73	0.025	Yes
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Selenium	7782-49-2	ug/kg	2/12/2008	570	780	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Uranium-233/234	U-233/234	pCi/g	2/12/2008	2.0	1.1	Yes
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Uranium-238	U-238	pCi/g	2/12/2008	0.99	1.1	No
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	non-Rad	Zinc	7440-66-6	ug/kg	2/12/2008	45,200	67,800	No
UPR-200-E-64	C5942	B1TFN9	4	6	Rad	Americium-241	14596-10-2	pCi/g	2/11/2008	0.16	--	--
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Arsenic	7440-38-2	ug/kg	2/11/2008	3,510	20,000	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Barium	7440-39-3	ug/kg	2/11/2008	76,900	132,000	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Beryllium	7440-41-7	ug/kg	2/11/2008	260	1,510	No
UPR-200-E-64	C5942	B1TFN9	4	6	Rad	Cesium-137	10045-97-3	pCi/g	2/11/2008	0.013	1.1	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Chromium	7440-47-3	ug/kg	2/11/2008	7,910	18,500	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Copper	7440-50-8	ug/kg	2/11/2008	13,100	22,000	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Lead	7439-92-1	ug/kg	2/11/2008	4,310	10,200	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Nickel	7440-02-0	ug/kg	2/11/2008	8,950	19,100	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Nitrate	14797-55-8	ug/kg	2/11/2008	8,850	52,000	No
UPR-200-E-64	C5942	B1TFN9	4	6	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/11/2008	0.023	0.025	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Selenium	7782-49-2	ug/kg	2/11/2008	460	780	No
UPR-200-E-64	C5942	B1TFN9	4	6	Rad	Uranium-233/234	U-233/234	pCi/g	2/11/2008	0.21	1.1	No
UPR-200-E-64	C5942	B1TFN9	4	6	Rad	Uranium-235	15117-96-1	pCi/g	2/11/2008	0.044	0.11	No
UPR-200-E-64	C5942	B1TFN9	4	6	Rad	Uranium-238	U-238	pCi/g	2/11/2008	0.19	1.1	No
UPR-200-E-64	C5942	B1TFN9	4	6	non-Rad	Zinc	7440-66-6	ug/kg	2/11/2008	39,700	67,800	No
UPR-200-E-64	C5942	B1TFN0	17	19.5	non-Rad	Methylene chloride	75-09-2	ug/kg	2/13/2008	6.6	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	299-E33-341	B1TT53	230	232.5	Rad	Americium-241	14596-10-2	pCi/g	5/22/2008	0.14	--	--
UPR-200-E-89	299-E33-341	B1TT53	230	232.5	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	5/22/2008	560	--	--
UPR-200-E-89	299-E33-341	B1TT53	230	232.5	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	5/22/2008	15,300	--	--
UPR-200-E-89	299-E33-341	B1TT53	230	232.5	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/22/2008	0.027	--	--
UPR-200-E-89	299-E33-341	B1TT53	230	232.5	Rad	Technetium-99	14133-76-7	pCi/g	5/22/2008	4.8	--	--
UPR-200-E-89	299-E33-341	B1TT53	230	232.5	Rad	Uranium-233/234	U-233/234	pCi/g	5/22/2008	0.21	1.1	No
UPR-200-E-89	299-E33-341	B1TT53	230	232.5	Rad	Uranium-235	15117-96-1	pCi/g	5/22/2008	0.027	0.11	No
UPR-200-E-89	299-E33-341	B1TT53	230	232.5	Rad	Uranium-238	U-238	pCi/g	5/22/2008	0.17	1.1	No
UPR-200-E-89	299-E33-341	B1TP94	0	232.5	non-Rad	Cadmium	7440-43-9	ug/kg	5/22/2008	52	--	--
UPR-200-E-89	299-E33-341	B1TP94	0	232.5	non-Rad	Chromium	7440-47-3	ug/kg	5/22/2008	6,950	--	--
UPR-200-E-89	299-E33-341	B1TP94	0	232.5	non-Rad	Copper	7440-50-8	ug/kg	5/22/2008	9,550	--	--
UPR-200-E-89	299-E33-341	B1TP94	0	232.5	non-Rad	Fluoride	16984-48-8	ug/kg	5/22/2008	424	--	--
UPR-200-E-89	299-E33-341	B1TP94	0	232.5	non-Rad	Iron	7439-89-6	ug/kg	5/22/2008	1.47E+07	--	--
UPR-200-E-89	299-E33-341	B1TP94	0	232.5	non-Rad	Lead	7439-92-1	ug/kg	5/22/2008	1,860	--	--
UPR-200-E-89	299-E33-341	B1TP94	0	232.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/22/2008	69,300	--	--
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Cadmium	7440-43-9	ug/kg	5/22/2008	62	--	--
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Chromium	7440-47-3	ug/kg	5/22/2008	7,920	--	--
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Copper	7440-50-8	ug/kg	5/22/2008	8,950	--	--
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Fluoride	16984-48-8	ug/kg	5/22/2008	298	--	--
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Iron	7439-89-6	ug/kg	5/22/2008	1.09E+07	--	--
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Lead	7439-92-1	ug/kg	5/22/2008	1,350	--	--
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Nitrate	14797-55-8	ug/kg	5/22/2008	81,000	--	--
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Nitrite	14797-65-0	ug/kg	5/22/2008	1,610	--	--
UPR-200-E-89	299-E33-341	B1TP91	0	225	non-Rad	Fluoride	16984-48-8	ug/kg	5/20/2008	805	--	--
UPR-200-E-89	299-E33-341	B1TP89	0	220	non-Rad	Fluoride	16984-48-8	ug/kg	5/20/2008	347	--	--
UPR-200-E-89	299-E33-341	B1TP89	0	220	non-Rad	Nitrate	14797-55-8	ug/kg	5/20/2008	1,970	--	--
UPR-200-E-89	299-E33-341	B1TP86	0	212.5	non-Rad	Fluoride	16984-48-8	ug/kg	5/16/2008	420	--	--
UPR-200-E-89	299-E33-341	B1TP86	0	212.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/16/2008	2,010	--	--
UPR-200-E-89	299-E33-341	B1TP84	0	195	non-Rad	Fluoride	16984-48-8	ug/kg	5/16/2008	704	--	--
UPR-200-E-89	299-E33-341	B1TP84	0	195	non-Rad	Nitrate	14797-55-8	ug/kg	5/16/2008	18,200	--	--
UPR-200-E-89	299-E33-341	B1TP84	0	195	non-Rad	Nitrite	14797-65-0	ug/kg	5/16/2008	4,320	--	--
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Arsenic	7440-38-2	ug/kg	5/13/2008	1,460	--	--
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Cadmium	7440-43-9	ug/kg	5/13/2008	59	--	--
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Chromium	7440-47-3	ug/kg	5/13/2008	10,700	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Copper	7440-50-8	ug/kg	5/13/2008	8,050	--	--
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Fluoride	16984-48-8	ug/kg	5/13/2008	447	--	--
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Iron	7439-89-6	ug/kg	5/13/2008	1.32E+07	--	--
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Lead	7439-92-1	ug/kg	5/13/2008	2,410	--	--
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Nitrate	14797-55-8	ug/kg	5/13/2008	27,600	--	--
UPR-200-E-89	299-E33-341	B1TP78	0	180	non-Rad	Fluoride	16984-48-8	ug/kg	5/13/2008	367	--	--
UPR-200-E-89	299-E33-341	B1TP78	0	180	non-Rad	Nitrate	14797-55-8	ug/kg	5/13/2008	6,160	--	--
UPR-200-E-89	299-E33-341	B1TP77	0	170	non-Rad	Fluoride	16984-48-8	ug/kg	5/13/2008	466	--	--
UPR-200-E-89	299-E33-341	B1TP71	0	155	non-Rad	Fluoride	16984-48-8	ug/kg	5/12/2008	421	--	--
UPR-200-E-89	299-E33-341	B1TP69	0	150	non-Rad	Arsenic	7440-38-2	ug/kg	5/9/2008	1,160	--	--
UPR-200-E-89	299-E33-341	B1TP69	0	150	non-Rad	Cadmium	7440-43-9	ug/kg	5/9/2008	53	--	--
UPR-200-E-89	299-E33-341	B1TP69	0	150	non-Rad	Chromium	7440-47-3	ug/kg	5/9/2008	11,900	--	--
UPR-200-E-89	299-E33-341	B1TP69	0	150	non-Rad	Copper	7440-50-8	ug/kg	5/9/2008	8,670	--	--
UPR-200-E-89	299-E33-341	B1TP69	0	150	non-Rad	Fluoride	16984-48-8	ug/kg	5/9/2008	482	--	--
UPR-200-E-89	299-E33-341	B1TP69	0	150	non-Rad	Iron	7439-89-6	ug/kg	5/9/2008	1.33E+07	--	--
UPR-200-E-89	299-E33-341	B1TP69	0	150	non-Rad	Lead	7439-92-1	ug/kg	5/9/2008	2,010	--	--
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Arsenic	7440-38-2	ug/kg	5/9/2008	1,250	--	--
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Cadmium	7440-43-9	ug/kg	5/9/2008	52	--	--
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Chromium	7440-47-3	ug/kg	5/9/2008	10,000	--	--
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Copper	7440-50-8	ug/kg	5/9/2008	8,190	--	--
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Fluoride	16984-48-8	ug/kg	5/9/2008	378	--	--
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Iron	7439-89-6	ug/kg	5/9/2008	1.32E+07	--	--
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Lead	7439-92-1	ug/kg	5/9/2008	2,340	--	--
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	48,200	--	--
UPR-200-E-89	299-E33-341	B1TP64	0	137.5	non-Rad	Arsenic	7440-38-2	ug/kg	5/9/2008	1,250	--	--
UPR-200-E-89	299-E33-341	B1TP64	0	137.5	non-Rad	Cadmium	7440-43-9	ug/kg	5/9/2008	52	--	--
UPR-200-E-89	299-E33-341	B1TP64	0	137.5	non-Rad	Chromium	7440-47-3	ug/kg	5/9/2008	7,580	--	--
UPR-200-E-89	299-E33-341	B1TP64	0	137.5	non-Rad	Copper	7440-50-8	ug/kg	5/9/2008	8,690	--	--
UPR-200-E-89	299-E33-341	B1TP64	0	137.5	non-Rad	Iron	7439-89-6	ug/kg	5/9/2008	1.29E+07	--	--
UPR-200-E-89	299-E33-341	B1TP64	0	137.5	non-Rad	Lead	7439-92-1	ug/kg	5/9/2008	2,180	--	--
UPR-200-E-89	299-E33-341	B1TP64	0	137.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	1.03E+06	--	--
UPR-200-E-89	299-E33-341	B1TP62	0	132.5	non-Rad	Arsenic	7440-38-2	ug/kg	5/9/2008	1,190	--	--
UPR-200-E-89	299-E33-341	B1TP62	0	132.5	non-Rad	Cadmium	7440-43-9	ug/kg	5/9/2008	54	--	--
UPR-200-E-89	299-E33-341	B1TP62	0	132.5	non-Rad	Chromium	7440-47-3	ug/kg	5/9/2008	9,380	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	299-E33-341	B1TP62	0	132.5	non-Rad	Copper	7440-50-8	ug/kg	5/9/2008	9,290	--	--
UPR-200-E-89	299-E33-341	B1TP62	0	132.5	non-Rad	Iron	7439-89-6	ug/kg	5/9/2008	1.38E+07	--	--
UPR-200-E-89	299-E33-341	B1TP62	0	132.5	non-Rad	Lead	7439-92-1	ug/kg	5/9/2008	2,160	--	--
UPR-200-E-89	299-E33-341	B1TP62	0	132.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	817,000	--	--
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Arsenic	7440-38-2	ug/kg	5/9/2008	1,770	--	--
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Cadmium	7440-43-9	ug/kg	5/9/2008	56	--	--
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Chromium	7440-47-3	ug/kg	5/9/2008	10,700	--	--
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Copper	7440-50-8	ug/kg	5/9/2008	7,170	--	--
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Iron	7439-89-6	ug/kg	5/9/2008	1.05E+07	--	--
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Lead	7439-92-1	ug/kg	5/9/2008	2,100	--	--
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	10,300	--	--
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Arsenic	7440-38-2	ug/kg	5/9/2008	1,640	--	--
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Cadmium	7440-43-9	ug/kg	5/9/2008	49	--	--
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Chromium	7440-47-3	ug/kg	5/9/2008	10,900	--	--
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Copper	7440-50-8	ug/kg	5/9/2008	8,360	--	--
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Fluoride	16984-48-8	ug/kg	5/9/2008	213	--	--
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Iron	7439-89-6	ug/kg	5/9/2008	1.21E+07	--	--
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Lead	7439-92-1	ug/kg	5/9/2008	2,010	--	--
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	7,840	--	--
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Arsenic	7440-38-2	ug/kg	5/8/2008	1,470	--	--
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Cadmium	7440-43-9	ug/kg	5/8/2008	53	--	--
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Chromium	7440-47-3	ug/kg	5/8/2008	8,910	--	--
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Copper	7440-50-8	ug/kg	5/8/2008	8,130	--	--
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Fluoride	16984-48-8	ug/kg	5/8/2008	233	--	--
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Iron	7439-89-6	ug/kg	5/8/2008	1.17E+07	--	--
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Lead	7439-92-1	ug/kg	5/8/2008	2,260	--	--
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Nitrate	14797-55-8	ug/kg	5/8/2008	188,000	--	--
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Arsenic	7440-38-2	ug/kg	5/8/2008	1,660	--	--
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Cadmium	7440-43-9	ug/kg	5/8/2008	54	--	--
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Chromium	7440-47-3	ug/kg	5/8/2008	9,620	--	--
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Copper	7440-50-8	ug/kg	5/8/2008	7,980	--	--
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Iron	7439-89-6	ug/kg	5/8/2008	1.22E+07	--	--
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Lead	7439-92-1	ug/kg	5/8/2008	2,160	--	--
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Nitrate	14797-55-8	ug/kg	5/8/2008	1.68E+06	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	299-E33-341	B1TP52	0	107.5	non-Rad	Antimony	7440-36-0	ug/kg	5/8/2008	88	--	--
UPR-200-E-89	299-E33-341	B1TP52	0	107.5	non-Rad	Arsenic	7440-38-2	ug/kg	5/8/2008	1,600	--	--
UPR-200-E-89	299-E33-341	B1TP52	0	107.5	non-Rad	Cadmium	7440-43-9	ug/kg	5/8/2008	54	--	--
UPR-200-E-89	299-E33-341	B1TP52	0	107.5	non-Rad	Chromium	7440-47-3	ug/kg	5/8/2008	8,780	--	--
UPR-200-E-89	299-E33-341	B1TP52	0	107.5	non-Rad	Copper	7440-50-8	ug/kg	5/8/2008	8,400	--	--
UPR-200-E-89	299-E33-341	B1TP52	0	107.5	non-Rad	Iron	7439-89-6	ug/kg	5/8/2008	1.21E+07	--	--
UPR-200-E-89	299-E33-341	B1TP52	0	107.5	non-Rad	Lead	7439-92-1	ug/kg	5/8/2008	2,110	--	--
UPR-200-E-89	299-E33-341	B1TP52	0	107.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/8/2008	1.16E+06	--	--
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Antimony	7440-36-0	ug/kg	5/8/2008	107	--	--
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Arsenic	7440-38-2	ug/kg	5/8/2008	2,720	--	--
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Cadmium	7440-43-9	ug/kg	5/8/2008	64	--	--
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Chromium	7440-47-3	ug/kg	5/8/2008	14,300	--	--
UPR-200-E-89	299-E33-341	B1TP51	0	105	Rad	Cobalt-60	10198-40-0	pCi/g	5/8/2008	0.045	--	--
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Copper	7440-50-8	ug/kg	5/8/2008	8,690	--	--
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Cyanide	57-12-5	ug/kg	5/8/2008	1,660	--	--
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Iron	7439-89-6	ug/kg	5/8/2008	1.11E+07	--	--
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Lead	7439-92-1	ug/kg	5/8/2008	2,880	--	--
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Nitrate	14797-55-8	ug/kg	5/8/2008	6.36E+06	--	--
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Arsenic	7440-38-2	ug/kg	5/1/2008	1,910	--	--
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Cadmium	7440-43-9	ug/kg	5/1/2008	47	--	--
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Chromium	7440-47-3	ug/kg	5/1/2008	8,960	--	--
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Copper	7440-50-8	ug/kg	5/1/2008	8,090	--	--
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Iron	7439-89-6	ug/kg	5/1/2008	1.26E+07	--	--
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Lead	7439-92-1	ug/kg	5/1/2008	2,330	--	--
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	1.59E+06	--	--
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Arsenic	7440-38-2	ug/kg	5/1/2008	1,770	--	--
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Cadmium	7440-43-9	ug/kg	5/1/2008	50	--	--
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Chromium	7440-47-3	ug/kg	5/1/2008	9,390	--	--
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Copper	7440-50-8	ug/kg	5/1/2008	7,740	--	--
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Iron	7439-89-6	ug/kg	5/1/2008	1.22E+07	--	--
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Lead	7439-92-1	ug/kg	5/1/2008	2,240	--	--
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	20,000	--	--
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Arsenic	7440-38-2	ug/kg	5/1/2008	1,140	--	--
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Chromium	7440-47-3	ug/kg	5/1/2008	6,900	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Copper	7440-50-8	ug/kg	5/1/2008	7,680	--	--
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Cyanide	57-12-5	ug/kg	5/1/2008	386	--	--
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Iron	7439-89-6	ug/kg	5/1/2008	1.39E+07	--	--
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Lead	7439-92-1	ug/kg	5/1/2008	2,130	--	--
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	1.06E+06	--	--
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Antimony	7440-36-0	ug/kg	5/1/2008	114	--	--
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Arsenic	7440-38-2	ug/kg	5/1/2008	3,400	--	--
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Cadmium	7440-43-9	ug/kg	5/1/2008	66	--	--
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Chromium	7440-47-3	ug/kg	5/1/2008	11,700	--	--
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Copper	7440-50-8	ug/kg	5/1/2008	8,980	--	--
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Cyanide	57-12-5	ug/kg	5/1/2008	2,220	--	--
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Iron	7439-89-6	ug/kg	5/1/2008	1.10E+07	--	--
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Lead	7439-92-1	ug/kg	5/1/2008	3,440	--	--
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	36,100	--	--
UPR-200-E-89	299-E33-341	B1TP42	0	82.5	non-Rad	Antimony	7440-36-0	ug/kg	5/1/2008	81	--	--
UPR-200-E-89	299-E33-341	B1TP42	0	82.5	non-Rad	Arsenic	7440-38-2	ug/kg	5/1/2008	2,360	--	--
UPR-200-E-89	299-E33-341	B1TP42	0	82.5	non-Rad	Cadmium	7440-43-9	ug/kg	5/1/2008	54	--	--
UPR-200-E-89	299-E33-341	B1TP42	0	82.5	non-Rad	Chromium	7440-47-3	ug/kg	5/1/2008	9,860	--	--
UPR-200-E-89	299-E33-341	B1TP42	0	82.5	non-Rad	Copper	7440-50-8	ug/kg	5/1/2008	6,930	--	--
UPR-200-E-89	299-E33-341	B1TP42	0	82.5	non-Rad	Fluoride	16984-48-8	ug/kg	5/1/2008	268	--	--
UPR-200-E-89	299-E33-341	B1TP42	0	82.5	non-Rad	Iron	7439-89-6	ug/kg	5/1/2008	9.08E+06	--	--
UPR-200-E-89	299-E33-341	B1TP42	0	82.5	non-Rad	Lead	7439-92-1	ug/kg	5/1/2008	2,440	--	--
UPR-200-E-89	299-E33-341	B1TP42	0	82.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	256,000	--	--
UPR-200-E-89	299-E33-341	B1TP40	0	77.5	non-Rad	Antimony	7440-36-0	ug/kg	5/1/2008	489	--	--
UPR-200-E-89	299-E33-341	B1TP40	0	77.5	non-Rad	Arsenic	7440-38-2	ug/kg	5/1/2008	2,450	--	--
UPR-200-E-89	299-E33-341	B1TP40	0	77.5	non-Rad	Cadmium	7440-43-9	ug/kg	5/1/2008	56	--	--
UPR-200-E-89	299-E33-341	B1TP40	0	77.5	non-Rad	Chromium	7440-47-3	ug/kg	5/1/2008	10,400	--	--
UPR-200-E-89	299-E33-341	B1TP40	0	77.5	non-Rad	Copper	7440-50-8	ug/kg	5/1/2008	7,270	--	--
UPR-200-E-89	299-E33-341	B1TP40	0	77.5	non-Rad	Fluoride	16984-48-8	ug/kg	5/1/2008	344	--	--
UPR-200-E-89	299-E33-341	B1TP40	0	77.5	non-Rad	Iron	7439-89-6	ug/kg	5/1/2008	1.06E+07	--	--
UPR-200-E-89	299-E33-341	B1TP40	0	77.5	non-Rad	Lead	7439-92-1	ug/kg	5/1/2008	2,580	--	--
UPR-200-E-89	299-E33-341	B1TP40	0	77.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	15,900	--	--
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Arsenic	7440-38-2	ug/kg	4/30/2008	2,170	--	--
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Cadmium	7440-43-9	ug/kg	4/30/2008	51	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Chromium	7440-47-3	ug/kg	4/30/2008	10,900	--	--
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Copper	7440-50-8	ug/kg	4/30/2008	7,470	--	--
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Fluoride	16984-48-8	ug/kg	4/30/2008	336	--	--
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Iron	7439-89-6	ug/kg	4/30/2008	1.05E+07	--	--
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Lead	7439-92-1	ug/kg	4/30/2008	2,590	--	--
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	13,200	--	--
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	1,450	--	--
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Cadmium	7440-43-9	ug/kg	4/29/2008	52	--	--
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Chromium	7440-47-3	ug/kg	4/29/2008	7,900	--	--
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	9,160	--	--
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Fluoride	16984-48-8	ug/kg	4/29/2008	539	--	--
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.41E+07	--	--
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Lead	7439-92-1	ug/kg	4/29/2008	2,960	--	--
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	40,100	--	--
UPR-200-E-89	299-E33-341	B1TP29	0	32.5	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	934	--	--
UPR-200-E-89	299-E33-341	B1TP29	0	32.5	non-Rad	Cadmium	7440-43-9	ug/kg	4/29/2008	58	--	--
UPR-200-E-89	299-E33-341	B1TP29	0	32.5	non-Rad	Chromium	7440-47-3	ug/kg	4/29/2008	5,520	--	--
UPR-200-E-89	299-E33-341	B1TP29	0	32.5	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	8,760	--	--
UPR-200-E-89	299-E33-341	B1TP29	0	32.5	non-Rad	Fluoride	16984-48-8	ug/kg	4/29/2008	614	--	--
UPR-200-E-89	299-E33-341	B1TP29	0	32.5	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.43E+07	--	--
UPR-200-E-89	299-E33-341	B1TP29	0	32.5	non-Rad	Lead	7439-92-1	ug/kg	4/29/2008	2,050	--	--
UPR-200-E-89	299-E33-341	B1TP29	0	32.5	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	18,900	--	--
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	997	--	--
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Cadmium	7440-43-9	ug/kg	4/29/2008	62	--	--
UPR-200-E-89	299-E33-341	B1TP28	0	30	Rad	Cesium-137	10045-97-3	pCi/g	4/29/2008	0.31	--	--
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Chromium	7440-47-3	ug/kg	4/29/2008	5,950	--	--
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	8,310	--	--
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Fluoride	16984-48-8	ug/kg	4/29/2008	312	--	--
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.35E+07	--	--
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Lead	7439-92-1	ug/kg	4/29/2008	2,580	--	--
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	17,100	--	--
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	1,470	--	--
UPR-200-E-89	299-E33-341	B1TP26	0	25	Rad	Cesium-137	10045-97-3	pCi/g	4/29/2008	0.51	--	--
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Chromium	7440-47-3	ug/kg	4/29/2008	6,990	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	9,390	--	--
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Fluoride	16984-48-8	ug/kg	4/29/2008	246	--	--
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.38E+07	--	--
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Lead	7439-92-1	ug/kg	4/29/2008	2,270	--	--
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	5,570	--	--
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	1,220	20,000	No
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Cadmium	7440-43-9	ug/kg	4/29/2008	49	563	No
UPR-200-E-89	299-E33-341	B1TP24	0	20	Rad	Cesium-137	10045-97-3	pCi/g	4/29/2008	598	1.1	Yes
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Chromium	7440-47-3	ug/kg	4/29/2008	8,020	18,500	No
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	7,240	22,000	No
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.02E+07	--	--
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Lead	7439-92-1	ug/kg	4/29/2008	2,400	10,200	No
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	14,700	52,000	No
UPR-200-E-89	299-E33-341	B1TP23	0	17	Rad	Cesium-137	10045-97-3	pCi/g	4/29/2008	1,598	1.1	Yes
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	883	20,000	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Cadmium	7440-43-9	ug/kg	4/29/2008	50	563	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	Rad	Cesium-137	10045-97-3	pCi/g	4/29/2008	15	1.1	Yes
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Chromium	7440-47-3	ug/kg	4/29/2008	3,340	18,500	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	11,000	22,000	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Fluoride	16984-48-8	ug/kg	4/29/2008	595	2,810	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.87E+07	3.26E+07	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Lead	7439-92-1	ug/kg	4/29/2008	1,770	10,200	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	7,540	52,000	No
UPR-200-E-89	299-E33-341	B1TNX1	0	202.5	non-Rad	Fluoride	16984-48-8	ug/kg	5/16/2008	453	--	--
UPR-200-E-89	299-E33-341	B1TNX1	0	202.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/16/2008	6,120	--	--
UPR-200-E-89	299-E33-341	B1TNW5	0	52.5	non-Rad	Antimony	7440-36-0	ug/kg	4/30/2008	89	--	--
UPR-200-E-89	299-E33-341	B1TNW5	0	52.5	non-Rad	Arsenic	7440-38-2	ug/kg	4/30/2008	2,650	--	--
UPR-200-E-89	299-E33-341	B1TNW5	0	52.5	non-Rad	Cadmium	7440-43-9	ug/kg	4/30/2008	65	--	--
UPR-200-E-89	299-E33-341	B1TNW5	0	52.5	non-Rad	Chromium	7440-47-3	ug/kg	4/30/2008	9,200	--	--
UPR-200-E-89	299-E33-341	B1TNW5	0	52.5	non-Rad	Copper	7440-50-8	ug/kg	4/30/2008	7,120	--	--
UPR-200-E-89	299-E33-341	B1TNW5	0	52.5	non-Rad	Iron	7439-89-6	ug/kg	4/30/2008	1.02E+07	--	--
UPR-200-E-89	299-E33-341	B1TNW5	0	52.5	non-Rad	Lead	7439-92-1	ug/kg	4/30/2008	3,090	--	--
UPR-200-E-89	299-E33-341	B1TNW5	0	52.5	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	14,500	--	--
UPR-200-E-89	299-E33-341	B1TNW3	0	47.5	non-Rad	Arsenic	7440-38-2	ug/kg	4/30/2008	1,610	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	299-E33-341	B1TNW3	0	47.5	non-Rad	Cadmium	7440-43-9	ug/kg	4/30/2008	49	--	--
UPR-200-E-89	299-E33-341	B1TNW3	0	47.5	non-Rad	Chromium	7440-47-3	ug/kg	4/30/2008	7,290	--	--
UPR-200-E-89	299-E33-341	B1TNW3	0	47.5	non-Rad	Copper	7440-50-8	ug/kg	4/30/2008	8,260	--	--
UPR-200-E-89	299-E33-341	B1TNW3	0	47.5	non-Rad	Iron	7439-89-6	ug/kg	4/30/2008	1.29E+07	--	--
UPR-200-E-89	299-E33-341	B1TNW3	0	47.5	non-Rad	Lead	7439-92-1	ug/kg	4/30/2008	2,390	--	--
UPR-200-E-89	299-E33-341	B1TNW3	0	47.5	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	864,000	--	--
UPR-200-E-89	299-E33-341	B1TNW1	0	42.5	non-Rad	Arsenic	7440-38-2	ug/kg	4/30/2008	2,320	--	--
UPR-200-E-89	299-E33-341	B1TNW1	0	42.5	non-Rad	Cadmium	7440-43-9	ug/kg	4/30/2008	63	--	--
UPR-200-E-89	299-E33-341	B1TNW1	0	42.5	non-Rad	Chromium	7440-47-3	ug/kg	4/30/2008	8,230	--	--
UPR-200-E-89	299-E33-341	B1TNW1	0	42.5	Rad	Cobalt-60	10198-40-0	pCi/g	4/30/2008	0.20	--	--
UPR-200-E-89	299-E33-341	B1TNW1	0	42.5	non-Rad	Copper	7440-50-8	ug/kg	4/30/2008	7,790	--	--
UPR-200-E-89	299-E33-341	B1TNW1	0	42.5	non-Rad	Cyanide	57-12-5	ug/kg	4/30/2008	580	--	--
UPR-200-E-89	299-E33-341	B1TNW1	0	42.5	non-Rad	Iron	7439-89-6	ug/kg	4/30/2008	1.14E+07	--	--
UPR-200-E-89	299-E33-341	B1TNW1	0	42.5	non-Rad	Lead	7439-92-1	ug/kg	4/30/2008	3,070	--	--
UPR-200-E-89	299-E33-341	B1TNW1	0	42.5	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	6.97E+06	--	--
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Arsenic	7440-38-2	ug/kg	4/30/2008	1,100	--	--
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Cadmium	7440-43-9	ug/kg	4/30/2008	49	--	--
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Chromium	7440-47-3	ug/kg	4/30/2008	6,220	--	--
UPR-200-E-89	299-E33-341	B1TNW0	0	40	Rad	Cobalt-60	10198-40-0	pCi/g	4/30/2008	0.088	--	--
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Copper	7440-50-8	ug/kg	4/30/2008	7,530	--	--
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Iron	7439-89-6	ug/kg	4/30/2008	1.16E+07	--	--
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Lead	7439-92-1	ug/kg	4/30/2008	2,200	--	--
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	4.12E+06	--	--
UPR-200-E-89	299-E33-341	B1TNV9	0	37.5	non-Rad	Antimony	7440-36-0	ug/kg	4/29/2008	102	--	--
UPR-200-E-89	299-E33-341	B1TNV9	0	37.5	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	1,860	--	--
UPR-200-E-89	299-E33-341	B1TNV9	0	37.5	non-Rad	Cadmium	7440-43-9	ug/kg	4/29/2008	48	--	--
UPR-200-E-89	299-E33-341	B1TNV9	0	37.5	non-Rad	Chromium	7440-47-3	ug/kg	4/29/2008	7,570	--	--
UPR-200-E-89	299-E33-341	B1TNV9	0	37.5	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	7,860	--	--
UPR-200-E-89	299-E33-341	B1TNV9	0	37.5	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.19E+07	--	--
UPR-200-E-89	299-E33-341	B1TNV9	0	37.5	non-Rad	Lead	7439-92-1	ug/kg	4/29/2008	2,850	--	--
UPR-200-E-89	299-E33-341	B1TNV9	0	37.5	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	532,000	--	--
UPR-200-E-89	299-E33-341	B1TNT2	227.5	230	Rad	Americium-241	14596-10-2	pCi/g	5/22/2008	0.11	--	--
UPR-200-E-89	299-E33-341	B1TNT2	227.5	230	Rad	Cesium-137	10045-97-3	pCi/g	5/22/2008	0.0097	--	--
UPR-200-E-89	299-E33-341	B1TNT2	227.5	230	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	5/22/2008	25,200	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	299-E33-341	B1TNT2	227.5	230	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/22/2008	0.019	--	--
UPR-200-E-89	299-E33-341	B1TNT2	227.5	230	Rad	Technetium-99	14133-76-7	pCi/g	5/22/2008	3.0	--	--
UPR-200-E-89	299-E33-341	B1TNT2	227.5	230	Rad	Uranium-233/234	U-233/234	pCi/g	5/22/2008	0.15	1.1	No
UPR-200-E-89	299-E33-341	B1TNT2	227.5	230	Rad	Uranium-235	15117-96-1	pCi/g	5/22/2008	0.052	0.11	No
UPR-200-E-89	299-E33-341	B1TNT2	227.5	230	Rad	Uranium-238	U-238	pCi/g	5/22/2008	0.13	1.1	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Aluminum	7429-90-5	ug/kg	1/6/2011	1.26E+07	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Antimony	7440-36-0	ug/kg	1/6/2011	507	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Arsenic	7440-38-2	ug/kg	1/6/2011	9,360	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Barium	7440-39-3	ug/kg	1/6/2011	100,000	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Beryllium	7440-41-7	ug/kg	1/6/2011	391	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Cadmium	7440-43-9	ug/kg	1/6/2011	142	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Chromium	7440-47-3	ug/kg	1/6/2011	25,100	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Cobalt	7440-48-4	ug/kg	1/6/2011	11,200	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Copper	7440-50-8	ug/kg	1/6/2011	20,800	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Fluoride	16984-48-8	ug/kg	1/6/2011	840	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Iron	7439-89-6	ug/kg	1/6/2011	2.17E+07	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Lead	7439-92-1	ug/kg	1/6/2011	8,800	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Lithium	7439-93-2	ug/kg	1/6/2011	14,100	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Manganese	7439-96-5	ug/kg	1/6/2011	459,000	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Nickel	7440-02-0	ug/kg	1/6/2011	22,500	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Nitrate	14797-55-8	ug/kg	1/6/2011	45,300	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Nitrite	14797-65-0	ug/kg	1/6/2011	1,070	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Silver	7440-22-4	ug/kg	1/6/2011	70	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Strontium	7440-24-6	ug/kg	1/6/2011	37,600	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Thallium	7440-28-0	ug/kg	1/6/2011	167	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Tin	7440-31-5	ug/kg	1/6/2011	3,910	--	--
UPR-200-E-89	C8132	B29J34	184	186	Rad	Tritium	10028-17-8	pCi/g	1/6/2011	2.9	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Vanadium	7440-62-2	ug/kg	1/6/2011	41,100	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Zinc	7440-66-6	ug/kg	1/6/2011	51,800	--	--
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Zirconium	7440-67-7	ug/kg	1/6/2011	3,920	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Aluminum	7429-90-5	ug/kg	1/5/2011	7.60E+06	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Antimony	7440-36-0	ug/kg	1/5/2011	275	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Arsenic	7440-38-2	ug/kg	1/5/2011	4,120	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Barium	7440-39-3	ug/kg	1/5/2011	64,400	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Beryllium	7440-41-7	ug/kg	1/5/2011	217	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Cadmium	7440-43-9	ug/kg	1/5/2011	77	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Chromium	7440-47-3	ug/kg	1/5/2011	18,500	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Cobalt	7440-48-4	ug/kg	1/5/2011	8,560	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Copper	7440-50-8	ug/kg	1/5/2011	12,000	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Fluoride	16984-48-8	ug/kg	1/5/2011	827	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Iron	7439-89-6	ug/kg	1/5/2011	1.70E+07	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Lead	7439-92-1	ug/kg	1/5/2011	5,050	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Lithium	7439-93-2	ug/kg	1/5/2011	10,000	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Manganese	7439-96-5	ug/kg	1/5/2011	299,000	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Nickel	7440-02-0	ug/kg	1/5/2011	19,900	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Nitrate	14797-55-8	ug/kg	1/5/2011	11,300	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Nitrite	14797-65-0	ug/kg	1/5/2011	428	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Silver	7440-22-4	ug/kg	1/5/2011	56	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Strontium	7440-24-6	ug/kg	1/5/2011	29,300	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Thallium	7440-28-0	ug/kg	1/5/2011	99	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Vanadium	7440-62-2	ug/kg	1/5/2011	35,400	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Zinc	7440-66-6	ug/kg	1/5/2011	37,600	--	--
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Zirconium	7440-67-7	ug/kg	1/5/2011	7,350	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Aluminum	7429-90-5	ug/kg	1/4/2011	7.09E+06	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Antimony	7440-36-0	ug/kg	1/4/2011	208	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Arsenic	7440-38-2	ug/kg	1/4/2011	3,820	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Barium	7440-39-3	ug/kg	1/4/2011	59,900	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Beryllium	7440-41-7	ug/kg	1/4/2011	164	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Cadmium	7440-43-9	ug/kg	1/4/2011	76	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Chromium	7440-47-3	ug/kg	1/4/2011	34,600	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Cobalt	7440-48-4	ug/kg	1/4/2011	7,480	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Copper	7440-50-8	ug/kg	1/4/2011	10,800	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Fluoride	16984-48-8	ug/kg	1/4/2011	1,020	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Iron	7439-89-6	ug/kg	1/4/2011	1.68E+07	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Lead	7439-92-1	ug/kg	1/4/2011	4,090	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Lithium	7439-93-2	ug/kg	1/4/2011	9,290	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Manganese	7439-96-5	ug/kg	1/4/2011	293,000	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Nickel	7440-02-0	ug/kg	1/4/2011	26,300	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Nitrate	14797-55-8	ug/kg	1/4/2011	5,110	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Nitrite	14797-65-0	ug/kg	1/4/2011	1,180	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Silver	7440-22-4	ug/kg	1/4/2011	50	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Strontium	7440-24-6	ug/kg	1/4/2011	27,400	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Thallium	7440-28-0	ug/kg	1/4/2011	86	--	--
UPR-200-E-89	C8132	B29J32	93	95	Rad	Tritium	10028-17-8	pCi/g	1/4/2011	2.8	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Vanadium	7440-62-2	ug/kg	1/4/2011	34,300	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Zinc	7440-66-6	ug/kg	1/4/2011	33,600	--	--
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Zirconium	7440-67-7	ug/kg	1/4/2011	4,920	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Aluminum	7429-90-5	ug/kg	3/16/2011	8.19E+06	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Antimony	7440-36-0	ug/kg	3/16/2011	310	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Arsenic	7440-38-2	ug/kg	3/16/2011	4,080	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Barium	7440-39-3	ug/kg	3/16/2011	60,800	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Beryllium	7440-41-7	ug/kg	3/16/2011	196	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Cadmium	7440-43-9	ug/kg	3/16/2011	88	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Chromium	7440-47-3	ug/kg	3/16/2011	24,800	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Cobalt	7440-48-4	ug/kg	3/16/2011	6,380	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Copper	7440-50-8	ug/kg	3/16/2011	13,500	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Fluoride	16984-48-8	ug/kg	3/16/2011	568	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Iron	7439-89-6	ug/kg	3/16/2011	1.45E+07	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Lead	7439-92-1	ug/kg	3/16/2011	3,940	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Lithium	7439-93-2	ug/kg	3/16/2011	9,670	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Manganese	7439-96-5	ug/kg	3/16/2011	300,000	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Molybdenum	7439-98-7	ug/kg	3/16/2011	1,400	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Nickel	7440-02-0	ug/kg	3/16/2011	20,600	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Nitrate	14797-55-8	ug/kg	3/16/2011	59,400	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Nitrite	14797-65-0	ug/kg	3/16/2011	283	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Silver	7440-22-4	ug/kg	3/16/2011	52	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Strontium	7440-24-6	ug/kg	3/16/2011	39,100	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Thallium	7440-28-0	ug/kg	3/16/2011	82	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Tin	7440-31-5	ug/kg	3/16/2011	3,570	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Vanadium	7440-62-2	ug/kg	3/16/2011	30,900	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Zinc	7440-66-6	ug/kg	3/16/2011	34,600	--	--
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Zirconium	7440-67-7	ug/kg	3/16/2011	4,590	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Aluminum	7429-90-5	ug/kg	3/15/2011	8.63E+06	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Antimony	7440-36-0	ug/kg	3/15/2011	305	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Arsenic	7440-38-2	ug/kg	3/15/2011	4,730	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Barium	7440-39-3	ug/kg	3/15/2011	66,000	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Beryllium	7440-41-7	ug/kg	3/15/2011	224	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Boron	7440-42-8	ug/kg	3/15/2011	2,250	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Cadmium	7440-43-9	ug/kg	3/15/2011	86	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Chromium	7440-47-3	ug/kg	3/15/2011	29,200	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Cobalt	7440-48-4	ug/kg	3/15/2011	7,020	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Copper	7440-50-8	ug/kg	3/15/2011	12,000	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Fluoride	16984-48-8	ug/kg	3/15/2011	918	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Iron	7439-89-6	ug/kg	3/15/2011	1.54E+07	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Lead	7439-92-1	ug/kg	3/15/2011	5,400	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Lithium	7439-93-2	ug/kg	3/15/2011	11,300	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Manganese	7439-96-5	ug/kg	3/15/2011	300,000	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Mercury	7439-97-6	ug/kg	3/15/2011	14	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Molybdenum	7439-98-7	ug/kg	3/15/2011	1,210	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Nickel	7440-02-0	ug/kg	3/15/2011	24,700	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Nitrate	14797-55-8	ug/kg	3/15/2011	39,400	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Nitrite	14797-65-0	ug/kg	3/15/2011	5,750	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Silver	7440-22-4	ug/kg	3/15/2011	53	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Strontium	7440-24-6	ug/kg	3/15/2011	32,700	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Thallium	7440-28-0	ug/kg	3/15/2011	103	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Vanadium	7440-62-2	ug/kg	3/15/2011	30,500	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Zinc	7440-66-6	ug/kg	3/15/2011	36,900	--	--
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Zirconium	7440-67-7	ug/kg	3/15/2011	4,790	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Aluminum	7429-90-5	ug/kg	3/11/2011	6.94E+06	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Antimony	7440-36-0	ug/kg	3/11/2011	118	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Arsenic	7440-38-2	ug/kg	3/11/2011	6,000	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Barium	7440-39-3	ug/kg	3/11/2011	51,300	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Beryllium	7440-41-7	ug/kg	3/11/2011	183	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Boron	7440-42-8	ug/kg	3/11/2011	1,750	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Cadmium	7440-43-9	ug/kg	3/11/2011	84	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Chromium	7440-47-3	ug/kg	3/11/2011	20,200	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Cobalt	7440-48-4	ug/kg	3/11/2011	6,240	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Copper	7440-50-8	ug/kg	3/11/2011	10,400	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Fluoride	16984-48-8	ug/kg	3/11/2011	454	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Iron	7439-89-6	ug/kg	3/11/2011	1.64E+07	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Lead	7439-92-1	ug/kg	3/11/2011	4,490	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Lithium	7439-93-2	ug/kg	3/11/2011	9,060	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Manganese	7439-96-5	ug/kg	3/11/2011	269,000	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Molybdenum	7439-98-7	ug/kg	3/11/2011	1,580	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Nickel	7440-02-0	ug/kg	3/11/2011	20,400	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Nitrate	14797-55-8	ug/kg	3/11/2011	2,490	--	--
UPR-200-E-89	C8134	B29J35	57	59	Rad	Selenium-79	15758-45-9	pCi/g	3/11/2011	1.2	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Silver	7440-22-4	ug/kg	3/11/2011	61	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Strontium	7440-24-6	ug/kg	3/11/2011	28,200	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Thallium	7440-28-0	ug/kg	3/11/2011	79	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Tin	7440-31-5	ug/kg	3/11/2011	3,130	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Vanadium	7440-62-2	ug/kg	3/11/2011	33,900	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Zinc	7440-66-6	ug/kg	3/11/2011	36,300	--	--
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Zirconium	7440-67-7	ug/kg	3/11/2011	9,000	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Aluminum	7429-90-5	ug/kg	2/10/2011	1.28E+07	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Antimony	7440-36-0	ug/kg	2/10/2011	524	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Arsenic	7440-38-2	ug/kg	2/10/2011	7,650	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Barium	7440-39-3	ug/kg	2/10/2011	101,000	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Beryllium	7440-41-7	ug/kg	2/10/2011	443	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Boron	7440-42-8	ug/kg	2/10/2011	2,490	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Cadmium	7440-43-9	ug/kg	2/10/2011	114	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Chromium	7440-47-3	ug/kg	2/10/2011	18,300	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Cobalt	7440-48-4	ug/kg	2/10/2011	8,090	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Copper	7440-50-8	ug/kg	2/10/2011	15,000	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Fluoride	16984-48-8	ug/kg	2/10/2011	1,330	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Iron	7439-89-6	ug/kg	2/10/2011	1.83E+07	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Lead	7439-92-1	ug/kg	2/10/2011	9,910	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Lithium	7439-93-2	ug/kg	2/10/2011	14,700	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Manganese	7439-96-5	ug/kg	2/10/2011	360,000	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Nickel	7440-02-0	ug/kg	2/10/2011	15,100	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Nitrate	14797-55-8	ug/kg	2/10/2011	89,200	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Nitrite	14797-65-0	ug/kg	2/10/2011	1,600	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	Rad	Selenium-79	15758-45-9	pCi/g	2/10/2011	2.1	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Silver	7440-22-4	ug/kg	2/10/2011	69	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Strontium	7440-24-6	ug/kg	2/10/2011	33,500	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Thallium	7440-28-0	ug/kg	2/10/2011	184	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	Rad	Tritium	10028-17-8	pCi/g	2/10/2011	3.1	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Vanadium	7440-62-2	ug/kg	2/10/2011	32,000	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Zinc	7440-66-6	ug/kg	2/10/2011	46,400	--	--
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Zirconium	7440-67-7	ug/kg	2/10/2011	7,620	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Aluminum	7429-90-5	ug/kg	2/9/2011	9.06E+06	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Antimony	7440-36-0	ug/kg	2/9/2011	291	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Arsenic	7440-38-2	ug/kg	2/9/2011	4,820	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Barium	7440-39-3	ug/kg	2/9/2011	65,000	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Beryllium	7440-41-7	ug/kg	2/9/2011	219	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Boron	7440-42-8	ug/kg	2/9/2011	1,710	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Cadmium	7440-43-9	ug/kg	2/9/2011	112	--	--
UPR-200-E-89	C8136	B29J40	169	171	Rad	Carbon-14	14762-75-5	pCi/g	2/9/2011	2.9	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Chromium	7440-47-3	ug/kg	2/9/2011	22,800	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Cobalt	7440-48-4	ug/kg	2/9/2011	6,970	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Copper	7440-50-8	ug/kg	2/9/2011	13,400	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Fluoride	16984-48-8	ug/kg	2/9/2011	922	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Iron	7439-89-6	ug/kg	2/9/2011	1.51E+07	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Lead	7439-92-1	ug/kg	2/9/2011	4,890	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Lithium	7439-93-2	ug/kg	2/9/2011	11,300	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Manganese	7439-96-5	ug/kg	2/9/2011	299,000	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Molybdenum	7439-98-7	ug/kg	2/9/2011	1,480	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Nickel	7440-02-0	ug/kg	2/9/2011	19,200	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Nitrate	14797-55-8	ug/kg	2/9/2011	51,300	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Nitrite	14797-65-0	ug/kg	2/9/2011	842	--	--
UPR-200-E-89	C8136	B29J40	169	171	Rad	Selenium-79	15758-45-9	pCi/g	2/9/2011	2.4	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Silver	7440-22-4	ug/kg	2/9/2011	54	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Strontium	7440-24-6	ug/kg	2/9/2011	35,600	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Thallium	7440-28-0	ug/kg	2/9/2011	115	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8136	B29J40	169	171	Rad	Tritium	10028-17-8	pCi/g	2/9/2011	3.1	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Vanadium	7440-62-2	ug/kg	2/9/2011	32,300	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Zinc	7440-66-6	ug/kg	2/9/2011	36,000	--	--
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Zirconium	7440-67-7	ug/kg	2/9/2011	4,010	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Aluminum	7429-90-5	ug/kg	2/2/2011	7.66E+06	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Antimony	7440-36-0	ug/kg	2/2/2011	226	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Arsenic	7440-38-2	ug/kg	2/2/2011	3,570	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Barium	7440-39-3	ug/kg	2/2/2011	62,100	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Beryllium	7440-41-7	ug/kg	2/2/2011	184	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Boron	7440-42-8	ug/kg	2/2/2011	1,540	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Cadmium	7440-43-9	ug/kg	2/2/2011	78	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Chromium	7440-47-3	ug/kg	2/2/2011	20,900	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Cobalt	7440-48-4	ug/kg	2/2/2011	6,320	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Copper	7440-50-8	ug/kg	2/2/2011	11,000	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Fluoride	16984-48-8	ug/kg	2/2/2011	1,090	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Iron	7439-89-6	ug/kg	2/2/2011	1.47E+07	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Lead	7439-92-1	ug/kg	2/2/2011	4,180	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Lithium	7439-93-2	ug/kg	2/2/2011	10,400	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Manganese	7439-96-5	ug/kg	2/2/2011	282,000	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Nickel	7440-02-0	ug/kg	2/2/2011	17,700	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Nitrate	14797-55-8	ug/kg	2/2/2011	7,710	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Nitrite	14797-65-0	ug/kg	2/2/2011	466	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Silver	7440-22-4	ug/kg	2/2/2011	66	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Strontium	7440-24-6	ug/kg	2/2/2011	31,500	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Thallium	7440-28-0	ug/kg	2/2/2011	93	--	--
UPR-200-E-89	C8136	B29J39	98	100	Rad	Tritium	10028-17-8	pCi/g	2/2/2011	2.9	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Vanadium	7440-62-2	ug/kg	2/2/2011	30,100	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Zinc	7440-66-6	ug/kg	2/2/2011	33,000	--	--
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Zirconium	7440-67-7	ug/kg	2/2/2011	4,560	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Aluminum	7429-90-5	ug/kg	2/1/2011	6.41E+06	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Antimony	7440-36-0	ug/kg	2/1/2011	206	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Arsenic	7440-38-2	ug/kg	2/1/2011	3,360	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Barium	7440-39-3	ug/kg	2/1/2011	58,800	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Beryllium	7440-41-7	ug/kg	2/1/2011	152	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Boron	7440-42-8	ug/kg	2/1/2011	2,210	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Cadmium	7440-43-9	ug/kg	2/1/2011	69	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Chromium	7440-47-3	ug/kg	2/1/2011	17,400	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Cobalt	7440-48-4	ug/kg	2/1/2011	5,570	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Copper	7440-50-8	ug/kg	2/1/2011	11,000	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Fluoride	16984-48-8	ug/kg	2/1/2011	1,250	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Iron	7439-89-6	ug/kg	2/1/2011	1.55E+07	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Lead	7439-92-1	ug/kg	2/1/2011	4,460	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Lithium	7439-93-2	ug/kg	2/1/2011	8,160	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Manganese	7439-96-5	ug/kg	2/1/2011	241,000	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Molybdenum	7439-98-7	ug/kg	2/1/2011	1,130	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Nickel	7440-02-0	ug/kg	2/1/2011	12,100	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Nitrate	14797-55-8	ug/kg	2/1/2011	10,900	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Nitrite	14797-65-0	ug/kg	2/1/2011	968	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Silver	7440-22-4	ug/kg	2/1/2011	39	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Strontium	7440-24-6	ug/kg	2/1/2011	34,100	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Thallium	7440-28-0	ug/kg	2/1/2011	79	--	--
UPR-200-E-89	C8136	B29J38	48	50	Rad	Tritium	10028-17-8	pCi/g	2/1/2011	2.3	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Vanadium	7440-62-2	ug/kg	2/1/2011	34,100	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Zinc	7440-66-6	ug/kg	2/1/2011	31,700	--	--
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Zirconium	7440-67-7	ug/kg	2/1/2011	8,260	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Aluminum	7429-90-5	ug/kg	3/30/2011	7.72E+06	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Antimony	7440-36-0	ug/kg	3/30/2011	373	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Arsenic	7440-38-2	ug/kg	3/30/2011	14,600	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Barium	7440-39-3	ug/kg	3/30/2011	67,900	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Beryllium	7440-41-7	ug/kg	3/30/2011	218	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Boron	7440-42-8	ug/kg	3/30/2011	3,170	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Cadmium	7440-43-9	ug/kg	3/30/2011	90	--	--
UPR-200-E-89	C8138	B2BH80	175	177	Rad	Carbon-14	14762-75-5	pCi/g	3/30/2011	3.5	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Chromium	7440-47-3	ug/kg	3/30/2011	16,600	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Cobalt	7440-48-4	ug/kg	3/30/2011	6,060	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Copper	7440-50-8	ug/kg	3/30/2011	11,100	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Fluoride	16984-48-8	ug/kg	3/30/2011	970	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Iron	7439-89-6	ug/kg	3/30/2011	1.59E+07	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Lead	7439-92-1	ug/kg	3/30/2011	6,710	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Lithium	7439-93-2	ug/kg	3/30/2011	10,700	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Manganese	7439-96-5	ug/kg	3/30/2011	269,000	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Nickel	7440-02-0	ug/kg	3/30/2011	13,100	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Nitrate	14797-55-8	ug/kg	3/30/2011	66,200	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Nitrite	14797-65-0	ug/kg	3/30/2011	1,050	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Silver	7440-22-4	ug/kg	3/30/2011	61	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Strontium	7440-24-6	ug/kg	3/30/2011	29,200	--	--
UPR-200-E-89	C8138	B2BH80	175	177	Rad	Strontium-90	10098-97-2	pCi/g	3/30/2011	0.16	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Thallium	7440-28-0	ug/kg	3/30/2011	102	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Vanadium	7440-62-2	ug/kg	3/30/2011	30,500	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Zinc	7440-66-6	ug/kg	3/30/2011	36,400	--	--
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Zirconium	7440-67-7	ug/kg	3/30/2011	6,920	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Aluminum	7429-90-5	ug/kg	3/28/2011	8.23E+06	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Antimony	7440-36-0	ug/kg	3/28/2011	298	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Arsenic	7440-38-2	ug/kg	3/28/2011	4,420	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Barium	7440-39-3	ug/kg	3/28/2011	63,400	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Beryllium	7440-41-7	ug/kg	3/28/2011	165	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Boron	7440-42-8	ug/kg	3/28/2011	3,320	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Cadmium	7440-43-9	ug/kg	3/28/2011	111	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Chromium	7440-47-3	ug/kg	3/28/2011	33,200	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Cobalt	7440-48-4	ug/kg	3/28/2011	7,320	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Copper	7440-50-8	ug/kg	3/28/2011	14,500	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Fluoride	16984-48-8	ug/kg	3/28/2011	1,010	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Iron	7439-89-6	ug/kg	3/28/2011	1.77E+07	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Lead	7439-92-1	ug/kg	3/28/2011	4,370	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Lithium	7439-93-2	ug/kg	3/28/2011	10,100	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Manganese	7439-96-5	ug/kg	3/28/2011	317,000	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Molybdenum	7439-98-7	ug/kg	3/28/2011	2,170	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Nickel	7440-02-0	ug/kg	3/28/2011	22,400	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Nitrate	14797-55-8	ug/kg	3/28/2011	11,300	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Nitrite	14797-65-0	ug/kg	3/28/2011	837	--	--
UPR-200-E-89	C8138	B29J43	163	165	Rad	Selenium-79	15758-45-9	pCi/g	3/28/2011	1.2	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Silver	7440-22-4	ug/kg	3/28/2011	59	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Strontium	7440-24-6	ug/kg	3/28/2011	38,500	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Thallium	7440-28-0	ug/kg	3/28/2011	84	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Vanadium	7440-62-2	ug/kg	3/28/2011	39,400	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Zinc	7440-66-6	ug/kg	3/28/2011	36,800	--	--
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Zirconium	7440-67-7	ug/kg	3/28/2011	6,440	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Aluminum	7429-90-5	ug/kg	3/25/2011	7.63E+06	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Antimony	7440-36-0	ug/kg	3/25/2011	268	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Arsenic	7440-38-2	ug/kg	3/25/2011	4,070	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Barium	7440-39-3	ug/kg	3/25/2011	61,500	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Beryllium	7440-41-7	ug/kg	3/25/2011	173	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Cadmium	7440-43-9	ug/kg	3/25/2011	81	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Chromium	7440-47-3	ug/kg	3/25/2011	25,800	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Cobalt	7440-48-4	ug/kg	3/25/2011	6,430	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Copper	7440-50-8	ug/kg	3/25/2011	11,300	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Fluoride	16984-48-8	ug/kg	3/25/2011	843	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Iron	7439-89-6	ug/kg	3/25/2011	1.70E+07	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Lead	7439-92-1	ug/kg	3/25/2011	4,640	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Lithium	7439-93-2	ug/kg	3/25/2011	10,200	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Manganese	7439-96-5	ug/kg	3/25/2011	296,000	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Nickel	7440-02-0	ug/kg	3/25/2011	18,100	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Nitrate	14797-55-8	ug/kg	3/25/2011	208,000	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Nitrite	14797-65-0	ug/kg	3/25/2011	1,240	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Silver	7440-22-4	ug/kg	3/25/2011	57	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Strontium	7440-24-6	ug/kg	3/25/2011	28,800	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Thallium	7440-28-0	ug/kg	3/25/2011	77	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Vanadium	7440-62-2	ug/kg	3/25/2011	35,700	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Zinc	7440-66-6	ug/kg	3/25/2011	35,600	--	--
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Zirconium	7440-67-7	ug/kg	3/25/2011	6,960	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Aluminum	7429-90-5	ug/kg	3/23/2011	6.05E+06	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Antimony	7440-36-0	ug/kg	3/23/2011	187	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Arsenic	7440-38-2	ug/kg	3/23/2011	2,780	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Barium	7440-39-3	ug/kg	3/23/2011	54,600	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Beryllium	7440-41-7	ug/kg	3/23/2011	114	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Cadmium	7440-43-9	ug/kg	3/23/2011	69	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Chromium	7440-47-3	ug/kg	3/23/2011	25,500	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Cobalt	7440-48-4	ug/kg	3/23/2011	5,980	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Copper	7440-50-8	ug/kg	3/23/2011	10,400	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Fluoride	16984-48-8	ug/kg	3/23/2011	2,090	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Iron	7439-89-6	ug/kg	3/23/2011	1.64E+07	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Lead	7439-92-1	ug/kg	3/23/2011	3,230	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Lithium	7439-93-2	ug/kg	3/23/2011	7,160	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Manganese	7439-96-5	ug/kg	3/23/2011	229,000	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Nickel	7440-02-0	ug/kg	3/23/2011	7,740	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Nitrate	14797-55-8	ug/kg	3/23/2011	5,850	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Nitrite	14797-65-0	ug/kg	3/23/2011	491	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Silver	7440-22-4	ug/kg	3/23/2011	51	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Strontium	7440-24-6	ug/kg	3/23/2011	25,900	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Thallium	7440-28-0	ug/kg	3/23/2011	66	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Vanadium	7440-62-2	ug/kg	3/23/2011	37,800	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Zinc	7440-66-6	ug/kg	3/23/2011	33,300	--	--
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Zirconium	7440-67-7	ug/kg	3/23/2011	10,700	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Aluminum	7429-90-5	ug/kg	3/3/2011	7.93E+06	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Antimony	7440-36-0	ug/kg	3/3/2011	212	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Arsenic	7440-38-2	ug/kg	3/3/2011	3,310	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Barium	7440-39-3	ug/kg	3/3/2011	81,000	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Beryllium	7440-41-7	ug/kg	3/3/2011	180	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Boron	7440-42-8	ug/kg	3/3/2011	3,070	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Cadmium	7440-43-9	ug/kg	3/3/2011	71	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Chromium	7440-47-3	ug/kg	3/3/2011	21,300	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Cobalt	7440-48-4	ug/kg	3/3/2011	5,000	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Copper	7440-50-8	ug/kg	3/3/2011	10,600	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Fluoride	16984-48-8	ug/kg	3/3/2011	697	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Iron	7439-89-6	ug/kg	3/3/2011	1.61E+07	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Lithium	7439-93-2	ug/kg	3/3/2011	10,500	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Manganese	7439-96-5	ug/kg	3/3/2011	280,000	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Nickel	7440-02-0	ug/kg	3/3/2011	16,800	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Nitrate	14797-55-8	ug/kg	3/3/2011	33,400	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Nitrite	14797-65-0	ug/kg	3/3/2011	1,030	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Silver	7440-22-4	ug/kg	3/3/2011	55	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Strontium	7440-24-6	ug/kg	3/3/2011	31,100	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Thallium	7440-28-0	ug/kg	3/3/2011	85	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Vanadium	7440-62-2	ug/kg	3/3/2011	34,700	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Zinc	7440-66-6	ug/kg	3/3/2011	34,600	--	--
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Zirconium	7440-67-7	ug/kg	3/3/2011	7,810	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Aluminum	7429-90-5	ug/kg	3/2/2011	8.87E+06	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Antimony	7440-36-0	ug/kg	3/2/2011	303	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Arsenic	7440-38-2	ug/kg	3/2/2011	4,040	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Barium	7440-39-3	ug/kg	3/2/2011	73,600	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Beryllium	7440-41-7	ug/kg	3/2/2011	176	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Boron	7440-42-8	ug/kg	3/2/2011	4,140	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Cadmium	7440-43-9	ug/kg	3/2/2011	122	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Chromium	7440-47-3	ug/kg	3/2/2011	31,700	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Cobalt	7440-48-4	ug/kg	3/2/2011	6,380	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Copper	7440-50-8	ug/kg	3/2/2011	14,400	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Fluoride	16984-48-8	ug/kg	3/2/2011	828	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Iron	7439-89-6	ug/kg	3/2/2011	1.77E+07	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Lead	7439-92-1	ug/kg	3/2/2011	4,860	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Lithium	7439-93-2	ug/kg	3/2/2011	10,300	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Manganese	7439-96-5	ug/kg	3/2/2011	318,000	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Nickel	7440-02-0	ug/kg	3/2/2011	24,600	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Nitrate	14797-55-8	ug/kg	3/2/2011	37,100	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Nitrite	14797-65-0	ug/kg	3/2/2011	3,130	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Silver	7440-22-4	ug/kg	3/2/2011	68	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Strontium	7440-24-6	ug/kg	3/2/2011	42,900	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Thallium	7440-28-0	ug/kg	3/2/2011	104	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Vanadium	7440-62-2	ug/kg	3/2/2011	40,000	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Zinc	7440-66-6	ug/kg	3/2/2011	36,700	--	--
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Zirconium	7440-67-7	ug/kg	3/2/2011	6,370	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Aluminum	7429-90-5	ug/kg	2/25/2011	7.54E+06	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Antimony	7440-36-0	ug/kg	2/25/2011	223	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Arsenic	7440-38-2	ug/kg	2/25/2011	3,470	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Barium	7440-39-3	ug/kg	2/25/2011	76,800	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Beryllium	7440-41-7	ug/kg	2/25/2011	150	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Boron	7440-42-8	ug/kg	2/25/2011	3,860	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Cadmium	7440-43-9	ug/kg	2/25/2011	86	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Chromium	7440-47-3	ug/kg	2/25/2011	20,200	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Cobalt	7440-48-4	ug/kg	2/25/2011	6,040	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Copper	7440-50-8	ug/kg	2/25/2011	14,300	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Fluoride	16984-48-8	ug/kg	2/25/2011	541	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Iron	7439-89-6	ug/kg	2/25/2011	1.83E+07	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Lead	7439-92-1	ug/kg	2/25/2011	3,840	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Lithium	7439-93-2	ug/kg	2/25/2011	9,000	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Manganese	7439-96-5	ug/kg	2/25/2011	287,000	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Nickel	7440-02-0	ug/kg	2/25/2011	18,800	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Nitrate	14797-55-8	ug/kg	2/25/2011	18,600	--	--
UPR-200-E-89	C8140	B29J63	124	126	Rad	Selenium-79	15758-45-9	pCi/g	2/25/2011	1.6	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Silver	7440-22-4	ug/kg	2/25/2011	55	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Strontium	7440-24-6	ug/kg	2/25/2011	30,400	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Thallium	7440-28-0	ug/kg	2/25/2011	80	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Vanadium	7440-62-2	ug/kg	2/25/2011	40,900	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Zinc	7440-66-6	ug/kg	2/25/2011	36,200	--	--
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Zirconium	7440-67-7	ug/kg	2/25/2011	8,110	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Aluminum	7429-90-5	ug/kg	6/1/2016	8.85E+06	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Arsenic	7440-38-2	ug/kg	6/1/2016	3,400	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Barium	7440-39-3	ug/kg	6/1/2016	127,000	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Cadmium	7440-43-9	ug/kg	6/1/2016	85	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Chromium	7440-47-3	ug/kg	6/1/2016	12,700	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Copper	7440-50-8	ug/kg	6/1/2016	18,500	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Cyanide	57-12-5	ug/kg	6/1/2016	180	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Fluoride	16984-48-8	ug/kg	6/1/2016	330	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Iron	7439-89-6	ug/kg	6/1/2016	1.42E+07	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Lead	7439-92-1	ug/kg	6/1/2016	4,600	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Manganese	7439-96-5	ug/kg	6/1/2016	440,000	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Mercury	7439-97-6	ug/kg	6/1/2016	11	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Nickel	7440-02-0	ug/kg	6/1/2016	13,900	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Nitrate	14797-55-8	ug/kg	6/1/2016	372,000	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Phenol	108-95-2	ug/kg	6/1/2016	56	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Selenium	7782-49-2	ug/kg	6/1/2016	1,900	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Silver	7440-22-4	ug/kg	6/1/2016	150	--	--
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Uranium	7440-61-1	ug/kg	6/1/2016	650	--	--
UPR-200-E-89	C8706	B35NB1	198.3	201.3	Rad	Carbon-14	14762-75-5	pCi/g	6/1/2016	0.66	--	--
UPR-200-E-89	C8706	B35NB1	198.3	201.3	Rad	Technetium-99	14133-76-7	pCi/g	6/1/2016	17	--	--
UPR-200-E-89	C8706	B35NB1	198.3	201.3	Rad	Tritium	10028-17-8	pCi/g	6/1/2016	15	--	--
UPR-200-E-89	C8706	B35NB1	198.3	201.3	Rad	Uranium-233/234	U-233/234	pCi/g	6/1/2016	0.21	1.1	No
UPR-200-E-89	C8706	B35NB1	198.3	201.3	Rad	Uranium-238	U-238	pCi/g	6/1/2016	0.19	1.1	No
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Aluminum	7429-90-5	ug/kg	6/1/2016	7.00E+06	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Arsenic	7440-38-2	ug/kg	6/1/2016	3,200	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Barium	7440-39-3	ug/kg	6/1/2016	83,600	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Cadmium	7440-43-9	ug/kg	6/1/2016	80	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Chromium	7440-47-3	ug/kg	6/1/2016	16,200	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Copper	7440-50-8	ug/kg	6/1/2016	12,900	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Fluoride	16984-48-8	ug/kg	6/1/2016	190	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Iron	7439-89-6	ug/kg	6/1/2016	1.33E+07	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Lead	7439-92-1	ug/kg	6/1/2016	3,700	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Manganese	7439-96-5	ug/kg	6/1/2016	488,000	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Nickel	7440-02-0	ug/kg	6/1/2016	16,500	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Nitrate	14797-55-8	ug/kg	6/1/2016	53,100	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Phenol	108-95-2	ug/kg	6/1/2016	70	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Selenium	7782-49-2	ug/kg	6/1/2016	1,500	--	--
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Uranium	7440-61-1	ug/kg	6/1/2016	470	--	--
UPR-200-E-89	C8706	B35N99	183.3	185.3	Rad	Carbon-14	14762-75-5	pCi/g	6/1/2016	0.39	--	--
UPR-200-E-89	C8706	B35N99	183.3	185.3	Rad	Technetium-99	14133-76-7	pCi/g	6/1/2016	4.1	--	--
UPR-200-E-89	C8706	B35N99	183.3	185.3	Rad	Tritium	10028-17-8	pCi/g	6/1/2016	24	--	--
UPR-200-E-89	C8706	B35N99	183.3	185.3	Rad	Uranium-233/234	U-233/234	pCi/g	6/1/2016	0.12	1.1	No
UPR-200-E-89	C8706	B35N99	183.3	185.3	Rad	Uranium-238	U-238	pCi/g	6/1/2016	0.22	1.1	No
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Aluminum	7429-90-5	ug/kg	5/26/2016	6.25E+06	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Arsenic	7440-38-2	ug/kg	5/26/2016	2,300	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Barium	7440-39-3	ug/kg	5/26/2016	61,400	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Chromium	7440-47-3	ug/kg	5/26/2016	9,300	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Copper	7440-50-8	ug/kg	5/26/2016	10,700	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Fluoride	16984-48-8	ug/kg	5/26/2016	150	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Iron	7439-89-6	ug/kg	5/26/2016	1.32E+07	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Lead	7439-92-1	ug/kg	5/26/2016	2,900	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Manganese	7439-96-5	ug/kg	5/26/2016	245,000	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Mercury	7439-97-6	ug/kg	5/26/2016	17	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Nickel	7440-02-0	ug/kg	5/26/2016	10,600	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/26/2016	10,600	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Selenium	7782-49-2	ug/kg	5/26/2016	1,400	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Silver	7440-22-4	ug/kg	5/26/2016	140	--	--
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Uranium	7440-61-1	ug/kg	5/26/2016	460	--	--
UPR-200-E-89	C8706	B35N97	158.5	160.5	Rad	Carbon-14	14762-75-5	pCi/g	5/26/2016	0.32	--	--
UPR-200-E-89	C8706	B35N97	158.5	160.5	Rad	Technetium-99	14133-76-7	pCi/g	5/26/2016	1.6	--	--
UPR-200-E-89	C8706	B35N97	158.5	160.5	Rad	Tritium	10028-17-8	pCi/g	5/26/2016	29	--	--
UPR-200-E-89	C8706	B35N97	158.5	160.5	Rad	Uranium-233/234	U-233/234	pCi/g	5/26/2016	0.18	1.1	No
UPR-200-E-89	C8706	B35N97	158.5	160.5	Rad	Uranium-238	U-238	pCi/g	5/26/2016	0.23	1.1	No
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Aluminum	7429-90-5	ug/kg	5/26/2016	6.09E+06	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Arsenic	7440-38-2	ug/kg	5/26/2016	2,500	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Barium	7440-39-3	ug/kg	5/26/2016	57,300	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Chromium	7440-47-3	ug/kg	5/26/2016	8,600	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Copper	7440-50-8	ug/kg	5/26/2016	11,100	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Fluoride	16984-48-8	ug/kg	5/26/2016	210	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Iron	7439-89-6	ug/kg	5/26/2016	1.41E+07	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Lead	7439-92-1	ug/kg	5/26/2016	3,300	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Manganese	7439-96-5	ug/kg	5/26/2016	266,000	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Mercury	7439-97-6	ug/kg	5/26/2016	25	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Nickel	7440-02-0	ug/kg	5/26/2016	10,300	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Nitrate	14797-55-8	ug/kg	5/26/2016	18,600	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Selenium	7782-49-2	ug/kg	5/26/2016	910	--	--
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Uranium	7440-61-1	ug/kg	5/26/2016	400	--	--
UPR-200-E-89	C8706	B35N95	132.4	137.4	Rad	Carbon-14	14762-75-5	pCi/g	5/26/2016	3.5	--	--
UPR-200-E-89	C8706	B35N95	132.4	137.4	Rad	Technetium-99	14133-76-7	pCi/g	5/26/2016	2.3	--	--
UPR-200-E-89	C8706	B35N95	132.4	137.4	Rad	Tritium	10028-17-8	pCi/g	5/26/2016	18	--	--
UPR-200-E-89	C8706	B35N95	132.4	137.4	Rad	Uranium-233/234	U-233/234	pCi/g	5/26/2016	0.17	1.1	No
UPR-200-E-89	C8706	B35N95	132.4	137.4	Rad	Uranium-234	13966-29-5	pCi/g	5/26/2016	0.17	1.1	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8706	B35N95	132.4	137.4	Rad	Uranium-238	U-238	pCi/g	5/26/2016	0.32	1.1	No
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Aluminum	7429-90-5	ug/kg	5/25/2016	1.03E+07	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Antimony	7440-36-0	ug/kg	5/25/2016	350	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Arsenic	7440-38-2	ug/kg	5/25/2016	6,400	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Barium	7440-39-3	ug/kg	5/25/2016	79,000	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Cadmium	7440-43-9	ug/kg	5/25/2016	93	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Chromium	7440-47-3	ug/kg	5/25/2016	21,700	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Copper	7440-50-8	ug/kg	5/25/2016	22,800	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Cyanide	57-12-5	ug/kg	5/25/2016	160	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Iron	7439-89-6	ug/kg	5/25/2016	1.41E+07	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Lead	7439-92-1	ug/kg	5/25/2016	5,900	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Manganese	7439-96-5	ug/kg	5/25/2016	459,000	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Mercury	7439-97-6	ug/kg	5/25/2016	44	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Nickel	7440-02-0	ug/kg	5/25/2016	24,500	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Nitrate	14797-55-8	ug/kg	5/25/2016	2.04E+06	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Nitrite	14797-65-0	ug/kg	5/25/2016	19,700	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Selenium	7782-49-2	ug/kg	5/25/2016	960	--	--
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Uranium	7440-61-1	ug/kg	5/25/2016	720	--	--
UPR-200-E-89	C8706	B35N93	108.2	110.2	Rad	Carbon-14	14762-75-5	pCi/g	5/25/2016	2.6	--	--
UPR-200-E-89	C8706	B35N93	108.2	110.2	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/25/2016	0.28	--	--
UPR-200-E-89	C8706	B35N93	108.2	110.2	Rad	Technetium-99	14133-76-7	pCi/g	5/25/2016	83	--	--
UPR-200-E-89	C8706	B35N93	108.2	110.2	Rad	Tritium	10028-17-8	pCi/g	5/25/2016	20	--	--
UPR-200-E-89	C8706	B35N93	108.2	110.2	Rad	Uranium-233/234	U-233/234	pCi/g	5/25/2016	0.37	1.1	No
UPR-200-E-89	C8706	B35N93	108.2	110.2	Rad	Uranium-234	13966-29-5	pCi/g	5/25/2016	0.37	1.1	No
UPR-200-E-89	C8706	B35N93	108.2	110.2	Rad	Uranium-238	U-238	pCi/g	5/25/2016	0.30	1.1	No
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Aluminum	7429-90-5	ug/kg	5/25/2016	1.24E+07	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Antimony	7440-36-0	ug/kg	5/25/2016	480	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Arsenic	7440-38-2	ug/kg	5/25/2016	9,800	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Barium	7440-39-3	ug/kg	5/25/2016	110,000	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Cadmium	7440-43-9	ug/kg	5/25/2016	120	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Chromium	7440-47-3	ug/kg	5/25/2016	22,000	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Copper	7440-50-8	ug/kg	5/25/2016	27,100	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Cyanide	57-12-5	ug/kg	5/25/2016	5,300	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Iron	7439-89-6	ug/kg	5/25/2016	1.69E+07	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Lead	7439-92-1	ug/kg	5/25/2016	8,600	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Manganese	7439-96-5	ug/kg	5/25/2016	527,000	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Mercury	7439-97-6	ug/kg	5/25/2016	210	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Nickel	7440-02-0	ug/kg	5/25/2016	25,100	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Nitrate	14797-55-8	ug/kg	5/25/2016	9.74E+06	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Nitrite	14797-65-0	ug/kg	5/25/2016	46,000	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Selenium	7782-49-2	ug/kg	5/25/2016	1,500	--	--
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Uranium	7440-61-1	ug/kg	5/25/2016	17,500	--	--
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Carbon-14	14762-75-5	pCi/g	5/25/2016	37	--	--
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Cesium-137	10045-97-3	pCi/g	5/25/2016	0.20	--	--
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Cobalt-60	10198-40-0	pCi/g	5/25/2016	0.094	--	--
UPR-200-E-89	C8706	B35N91	78	80.4	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	5/25/2016	310	--	--
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Nickel-63	13981-37-8	pCi/g	5/25/2016	16	--	--
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Strontium-90	10098-97-2	pCi/g	5/25/2016	0.50	--	--
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Technetium-99	14133-76-7	pCi/g	5/25/2016	289	--	--
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Tritium	10028-17-8	pCi/g	5/25/2016	62	--	--
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Uranium-233/234	U-233/234	pCi/g	5/25/2016	4.7	1.1	Yes
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Uranium-234	13966-29-5	pCi/g	5/25/2016	4.7	1.1	Yes
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Uranium-238	U-238	pCi/g	5/25/2016	5.1	1.1	Yes
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Aluminum	7429-90-5	ug/kg	5/25/2016	9.86E+06	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Arsenic	7440-38-2	ug/kg	5/25/2016	3,800	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Barium	7440-39-3	ug/kg	5/25/2016	71,000	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Cadmium	7440-43-9	ug/kg	5/25/2016	78	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Chromium	7440-47-3	ug/kg	5/25/2016	19,100	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Copper	7440-50-8	ug/kg	5/25/2016	18,200	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Cyanide	57-12-5	ug/kg	5/25/2016	2,700	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Iron	7439-89-6	ug/kg	5/25/2016	1.47E+07	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Lead	7439-92-1	ug/kg	5/25/2016	4,800	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Manganese	7439-96-5	ug/kg	5/25/2016	415,000	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Mercury	7439-97-6	ug/kg	5/25/2016	98	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Nickel	7440-02-0	ug/kg	5/25/2016	29,800	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Nitrate	14797-55-8	ug/kg	5/25/2016	3.14E+06	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Nitrite	14797-65-0	ug/kg	5/25/2016	591	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Selenium	7782-49-2	ug/kg	5/25/2016	720	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Silver	7440-22-4	ug/kg	5/25/2016	110	--	--
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Uranium	7440-61-1	ug/kg	5/25/2016	930	--	--
UPR-200-E-89	C8706	B35N89	162.9	164.9	Rad	Carbon-14	14762-75-5	pCi/g	5/25/2016	15	--	--
UPR-200-E-89	C8706	B35N89	162.9	164.9	Rad	Nickel-63	13981-37-8	pCi/g	5/25/2016	8.9	--	--
UPR-200-E-89	C8706	B35N89	162.9	164.9	Rad	Strontium-90	10098-97-2	pCi/g	5/25/2016	0.90	--	--
UPR-200-E-89	C8706	B35N89	162.9	164.9	Rad	Technetium-99	14133-76-7	pCi/g	5/25/2016	251	--	--
UPR-200-E-89	C8706	B35N89	162.9	164.9	Rad	Tritium	10028-17-8	pCi/g	5/25/2016	19	--	--
UPR-200-E-89	C8706	B35N89	162.9	164.9	Rad	Uranium-233/234	U-233/234	pCi/g	5/25/2016	0.68	1.1	No
UPR-200-E-89	C8706	B35N89	162.9	164.9	Rad	Uranium-234	13966-29-5	pCi/g	5/25/2016	0.68	1.1	No
UPR-200-E-89	C8706	B35N89	162.9	164.9	Rad	Uranium-238	U-238	pCi/g	5/25/2016	0.68	1.1	No
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Aluminum	7429-90-5	ug/kg	6/2/2016	6.32E+06	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Arsenic	7440-38-2	ug/kg	6/2/2016	2,100	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Barium	7440-39-3	ug/kg	6/2/2016	103,000	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Cadmium	7440-43-9	ug/kg	6/2/2016	94	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Chromium	7440-47-3	ug/kg	6/2/2016	16,900	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Copper	7440-50-8	ug/kg	6/2/2016	11,500	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Cyanide	57-12-5	ug/kg	6/2/2016	440	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Fluoride	16984-48-8	ug/kg	6/2/2016	310	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Iron	7439-89-6	ug/kg	6/2/2016	1.38E+07	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Lead	7439-92-1	ug/kg	6/2/2016	3,200	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Manganese	7439-96-5	ug/kg	6/2/2016	308,000	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Mercury	7439-97-6	ug/kg	6/2/2016	110	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Nickel	7440-02-0	ug/kg	6/2/2016	11,400	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Nitrate	14797-55-8	ug/kg	6/2/2016	75,300	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Nitrite	14797-65-0	ug/kg	6/2/2016	493	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Phenol	108-95-2	ug/kg	6/2/2016	170	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Selenium	7782-49-2	ug/kg	6/2/2016	2,200	--	--
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Uranium	7440-61-1	ug/kg	6/2/2016	2,300	--	--
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Americium-241	14596-10-2	pCi/g	6/2/2016	0.13	--	--
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Carbon-14	14762-75-5	pCi/g	6/2/2016	33	--	--
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Cesium-137	10045-97-3	pCi/g	6/2/2016	502	--	--
UPR-200-E-89	C8706	B35N87	45.5	47	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	6/2/2016	220	--	--
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Plutonium-239/240	PU-239/240	pCi/g	6/2/2016	1.1	--	--
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Strontium-90	10098-97-2	pCi/g	6/2/2016	972	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Technetium-99	14133-76-7	pCi/g	6/2/2016	4.3	--	--
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Tritium	10028-17-8	pCi/g	6/2/2016	4.7	--	--
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Uranium-233/234	U-233/234	pCi/g	6/2/2016	1.4	1.1	Yes
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Uranium-238	U-238	pCi/g	6/2/2016	1.0	1.1	No
UPR-200-E-89	C8706	B33B31	5.9	8.4	non-Rad	Fluoride	16984-48-8	ug/kg	10/22/2015	1,760	2,810	No
UPR-200-E-89	C8706	B33B31	5.9	8.4	non-Rad	Nitrate	14797-55-8	ug/kg	10/22/2015	24,300	52,000	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Aluminum	7429-90-5	ug/kg	10/22/2015	8.42E+06	1.18E+07	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Antimony	7440-36-0	ug/kg	10/22/2015	1,140	130	Yes
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Arsenic	7440-38-2	ug/kg	10/22/2015	2,390	20,000	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Barium	7440-39-3	ug/kg	10/22/2015	83,900	132,000	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Beryllium	7440-41-7	ug/kg	10/22/2015	251	1,510	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Cadmium	7440-43-9	ug/kg	10/22/2015	61	563	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	Rad	Cesium-137	10045-97-3	pCi/g	10/22/2015	0.10	1.1	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Chromium	7440-47-3	ug/kg	10/22/2015	12,800	18,500	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Cobalt	7440-48-4	ug/kg	10/22/2015	7,830	15,700	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Copper	7440-50-8	ug/kg	10/22/2015	14,100	22,000	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Lead	7439-92-1	ug/kg	10/22/2015	3,510	10,200	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Manganese	7439-96-5	ug/kg	10/22/2015	302,000	512,000	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Molybdenum	7439-98-7	ug/kg	10/22/2015	1,730	470	Yes
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Nickel	7440-02-0	ug/kg	10/22/2015	8,490	19,100	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Selenium	7782-49-2	ug/kg	10/22/2015	726	780	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/22/2015	2,570	--	--
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Uranium	7440-61-1	ug/kg	10/22/2015	572	3,210	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	Rad	Uranium-233/234	U-233/234	pCi/g	10/22/2015	0.60	1.1	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	Rad	Uranium-238	U-238	pCi/g	10/22/2015	0.91	1.1	No
UPR-200-E-89	C8706	B33B28	5.9	8.4	non-Rad	Acetone	67-64-1	ug/kg	10/22/2015	2.4	--	--
UPR-200-E-89	C8706	B33B24	3.9	6.4	non-Rad	Antimony	7440-36-0	ug/kg	10/22/2015	1,350	130	Yes
UPR-200-E-89	C8706	B33B24	3.9	6.4	non-Rad	Cyanide	57-12-5	ug/kg	10/22/2015	455	--	--
UPR-200-E-89	C8706	B33B24	3.9	6.4	non-Rad	Uranium	7440-61-1	ug/kg	10/22/2015	647	3,210	No
UPR-200-E-89	C8706	B33B24	3.9	6.4	Rad	Uranium-233/234	U-233/234	pCi/g	10/22/2015	0.78	1.1	No
UPR-200-E-89	C8706	B33B24	3.9	6.4	Rad	Uranium-238	U-238	pCi/g	10/22/2015	0.52	1.1	No
UPR-200-E-89	C8706	B33B22	3.9	6.4	non-Rad	Fluoride	16984-48-8	ug/kg	10/22/2015	1,400	2,810	No
UPR-200-E-89	C8706	B33B22	3.9	6.4	non-Rad	Nitrate	14797-55-8	ug/kg	10/22/2015	37,700	52,000	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Aluminum	7429-90-5	ug/kg	10/22/2015	8.35E+06	1.18E+07	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Arsenic	7440-38-2	ug/kg	10/22/2015	2,690	20,000	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Barium	7440-39-3	ug/kg	10/22/2015	78,600	132,000	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Beryllium	7440-41-7	ug/kg	10/22/2015	296	1,510	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Cadmium	7440-43-9	ug/kg	10/22/2015	68	563	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	Rad	Cesium-137	10045-97-3	pCi/g	10/22/2015	0.16	1.1	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Chromium	7440-47-3	ug/kg	10/22/2015	9,470	18,500	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Cobalt	7440-48-4	ug/kg	10/22/2015	6,850	15,700	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Copper	7440-50-8	ug/kg	10/22/2015	13,100	22,000	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/22/2015	205	--	--
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Lead	7439-92-1	ug/kg	10/22/2015	4,430	10,200	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Manganese	7439-96-5	ug/kg	10/22/2015	292,000	512,000	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Molybdenum	7439-98-7	ug/kg	10/22/2015	698	470	Yes
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Nickel	7440-02-0	ug/kg	10/22/2015	7,930	19,100	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Selenium	7782-49-2	ug/kg	10/22/2015	793	780	Yes
UPR-200-E-89	C8706	B33B20	3.9	6.4	Rad	Strontium-90	10098-97-2	pCi/g	10/22/2015	1.7	0.18	Yes
UPR-200-E-89	C8706	B33B19	3.9	6.4	non-Rad	Acetone	67-64-1	ug/kg	10/22/2015	2.6	--	--
UPR-200-E-89	C8706	B33B19	3.9	6.4	non-Rad	Toluene	108-88-3	ug/kg	10/22/2015	0.33	--	--
UPR-200-E-89	C8706	B33B17	2	4.5	non-Rad	Fluoride	16984-48-8	ug/kg	10/22/2015	1,250	2,810	No
UPR-200-E-89	C8706	B33B17	2	4.5	non-Rad	Nitrate	14797-55-8	ug/kg	10/22/2015	29,400	52,000	No
UPR-200-E-89	C8706	B33B16	2	4.5	Rad	Uranium-238	U-238	pCi/g	10/22/2015	0.60	1.1	No
UPR-200-E-89	C8707	B320P3	5	6.5	non-Rad	Fluoride	16984-48-8	ug/kg	7/21/2015	1,790	2,810	No
UPR-200-E-89	C8707	B320P3	5	6.5	non-Rad	Nitrate	14797-55-8	ug/kg	7/21/2015	11,100	52,000	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Aluminum	7429-90-5	ug/kg	7/21/2015	6.54E+06	1.18E+07	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Antimony	7440-36-0	ug/kg	7/21/2015	2,970	130	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Arsenic	7440-38-2	ug/kg	7/21/2015	3,750	20,000	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Barium	7440-39-3	ug/kg	7/21/2015	139,000	132,000	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Beryllium	7440-41-7	ug/kg	7/21/2015	271	1,510	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Boron	7440-42-8	ug/kg	7/21/2015	873	3,890	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Cadmium	7440-43-9	ug/kg	7/21/2015	227	563	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Chromium	7440-47-3	ug/kg	7/21/2015	9,270	18,500	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Cobalt	7440-48-4	ug/kg	7/21/2015	9,650	15,700	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Copper	7440-50-8	ug/kg	7/21/2015	25,000	22,000	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Iron	7439-89-6	ug/kg	7/21/2015	3.30E+07	3.26E+07	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Lead	7439-92-1	ug/kg	7/21/2015	3,670	10,200	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Lithium	7439-93-2	ug/kg	7/21/2015	5,040	13,300	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Manganese	7439-96-5	ug/kg	7/21/2015	385,000	512,000	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Molybdenum	7439-98-7	ug/kg	7/21/2015	2,340	470	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Nickel	7440-02-0	ug/kg	7/21/2015	11,500	19,100	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Silver	7440-22-4	ug/kg	7/21/2015	212	167	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Strontium	7440-24-6	ug/kg	7/21/2015	35,200	--	--
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Thallium	7440-28-0	ug/kg	7/21/2015	91	185	No
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Uranium	7440-61-1	ug/kg	7/21/2015	635	3,210	No
UPR-200-E-89	C8707	B320P2	5	6.5	Rad	Uranium-233/234	U-233/234	pCi/g	7/21/2015	1.1	1.1	No
UPR-200-E-89	C8707	B320P2	5	6.5	Rad	Uranium-238	U-238	pCi/g	7/21/2015	2.1	1.1	Yes
UPR-200-E-89	C8707	B320P2	5	6.5	non-Rad	Zinc	7440-66-6	ug/kg	7/21/2015	50,600	67,800	No
UPR-200-E-89	C8707	B320N7	0	2.5	non-Rad	Fluoride	16984-48-8	ug/kg	7/21/2015	754	2,810	No
UPR-200-E-89	C8707	B320N7	0	2.5	non-Rad	Nitrate	14797-55-8	ug/kg	7/21/2015	98,700	52,000	Yes
UPR-200-E-89	C8707	B320N6	0	2.5	non-Rad	Uranium	7440-61-1	ug/kg	7/21/2015	596	3,210	No
UPR-200-E-89	C8707	B320N6	0	2.5	Rad	Uranium-233/234	U-233/234	pCi/g	7/21/2015	1.4	1.1	Yes
UPR-200-E-89	C8711	B320W9	10	13	non-Rad	Fluoride	16984-48-8	ug/kg	7/16/2015	1,530	2,810	No
UPR-200-E-89	C8711	B320W8	10	13	non-Rad	Antimony	7440-36-0	ug/kg	7/16/2015	1,280	130	Yes
UPR-200-E-89	C8711	B320W4	10	13	non-Rad	Nitrate	14797-55-8	ug/kg	7/16/2015	7,390	52,000	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Aluminum	7429-90-5	ug/kg	7/16/2015	7.11E+06	1.18E+07	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Arsenic	7440-38-2	ug/kg	7/16/2015	1,720	20,000	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Barium	7440-39-3	ug/kg	7/16/2015	83,900	132,000	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Beryllium	7440-41-7	ug/kg	7/16/2015	244	1,510	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	7/16/2015	1,070	--	--
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Cadmium	7440-43-9	ug/kg	7/16/2015	177	563	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Chromium	7440-47-3	ug/kg	7/16/2015	8,300	18,500	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Cobalt	7440-48-4	ug/kg	7/16/2015	7,340	15,700	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Copper	7440-50-8	ug/kg	7/16/2015	15,600	22,000	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Iron	7439-89-6	ug/kg	7/16/2015	2.51E+07	3.26E+07	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Lead	7439-92-1	ug/kg	7/16/2015	5,730	10,200	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Lithium	7439-93-2	ug/kg	7/16/2015	6,470	13,300	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Manganese	7439-96-5	ug/kg	7/16/2015	333,000	512,000	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Molybdenum	7439-98-7	ug/kg	7/16/2015	409	470	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Nickel	7440-02-0	ug/kg	7/16/2015	9,550	19,100	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Strontium	7440-24-6	ug/kg	7/16/2015	57,100	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Thallium	7440-28-0	ug/kg	7/16/2015	96	185	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Uranium	7440-61-1	ug/kg	7/16/2015	636	3,210	No
UPR-200-E-89	C8711	B320W3	10	13	Rad	Uranium-233/234	U-233/234	pCi/g	7/16/2015	0.83	1.1	No
UPR-200-E-89	C8711	B320W3	10	13	Rad	Uranium-238	U-238	pCi/g	7/16/2015	0.53	1.1	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Zinc	7440-66-6	ug/kg	7/16/2015	44,600	67,800	No
UPR-200-E-89	C8711	B320V7	0	2	non-Rad	Fluoride	16984-48-8	ug/kg	7/16/2015	1,000	2,810	No
UPR-200-E-89	C8711	B320V7	0	2	non-Rad	Nitrate	14797-55-8	ug/kg	7/16/2015	13,600	52,000	No
UPR-200-E-89	C8711	B320V6	0	2	Rad	Uranium-238	U-238	pCi/g	7/16/2015	0.74	1.1	No
UPR-200-E-89	C9548	B320R5	84.4	86.4	non-Rad	Nitrate	14797-55-8	ug/kg	7/30/2015	1.55E+06	--	--
UPR-200-E-89	C9548	B320R5	84.4	86.4	non-Rad	Nitrite	14797-65-0	ug/kg	7/30/2015	3,280	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Aluminum	7429-90-5	ug/kg	7/30/2015	7.44E+06	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Antimony	7440-36-0	ug/kg	7/30/2015	1,880	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Arsenic	7440-38-2	ug/kg	7/30/2015	3,280	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Barium	7440-39-3	ug/kg	7/30/2015	56,400	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Beryllium	7440-41-7	ug/kg	7/30/2015	200	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Cadmium	7440-43-9	ug/kg	7/30/2015	47	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Chromium	7440-47-3	ug/kg	7/30/2015	14,800	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Cobalt	7440-48-4	ug/kg	7/30/2015	5,230	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Copper	7440-50-8	ug/kg	7/30/2015	12,000	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Cyanide	57-12-5	ug/kg	7/30/2015	1,060	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Lead	7439-92-1	ug/kg	7/30/2015	2,980	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Manganese	7439-96-5	ug/kg	7/30/2015	292,000	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Mercury	7439-97-6	ug/kg	7/30/2015	68	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Molybdenum	7439-98-7	ug/kg	7/30/2015	1,610	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Nickel	7440-02-0	ug/kg	7/30/2015	13,000	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Selenium	7782-49-2	ug/kg	7/30/2015	515	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	Rad	Technetium-99	14133-76-7	pCi/g	7/30/2015	41	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Uranium	7440-61-1	ug/kg	7/30/2015	464	--	--
UPR-200-E-89	C9548	B320R4	84.4	86.4	Rad	Uranium-233/234	U-233/234	pCi/g	7/30/2015	1.4	1.1	Yes
UPR-200-E-89	C9548	B320R4	84.4	86.4	Rad	Uranium-238	U-238	pCi/g	7/30/2015	0.86	1.1	No
UPR-200-E-89	C9548	B320R2	64.4	66.4	non-Rad	Nitrate	14797-55-8	ug/kg	7/30/2015	8,150	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Aluminum	7429-90-5	ug/kg	7/30/2015	6.48E+06	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Antimony	7440-36-0	ug/kg	7/30/2015	1,540	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Arsenic	7440-38-2	ug/kg	7/30/2015	2,180	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Barium	7440-39-3	ug/kg	7/30/2015	62,800	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Beryllium	7440-41-7	ug/kg	7/30/2015	202	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Cadmium	7440-43-9	ug/kg	7/30/2015	39	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Chromium	7440-47-3	ug/kg	7/30/2015	9,050	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Cobalt	7440-48-4	ug/kg	7/30/2015	5,180	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Copper	7440-50-8	ug/kg	7/30/2015	10,600	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Cyanide	57-12-5	ug/kg	7/30/2015	204	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Lead	7439-92-1	ug/kg	7/30/2015	2,650	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Manganese	7439-96-5	ug/kg	7/30/2015	273,000	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Mercury	7439-97-6	ug/kg	7/30/2015	105	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Molybdenum	7439-98-7	ug/kg	7/30/2015	516	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Nickel	7440-02-0	ug/kg	7/30/2015	9,110	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Selenium	7782-49-2	ug/kg	7/30/2015	781	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Uranium	7440-61-1	ug/kg	7/30/2015	1,680	--	--
UPR-200-E-89	C9548	B320R1	64.4	66.4	Rad	Uranium-233/234	U-233/234	pCi/g	7/30/2015	1.9	1.1	Yes
UPR-200-E-89	C9548	B320R1	64.4	66.4	Rad	Uranium-238	U-238	pCi/g	7/30/2015	1.1	1.1	No
UPR-200-E-89	C9548	B320P9	47.5	49.5	non-Rad	Fluoride	16984-48-8	ug/kg	7/30/2015	502	--	--
UPR-200-E-89	C9548	B320P9	47.5	49.5	non-Rad	Nitrate	14797-55-8	ug/kg	7/30/2015	7,300	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Aluminum	7429-90-5	ug/kg	7/30/2015	7.23E+06	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Antimony	7440-36-0	ug/kg	7/30/2015	1,890	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Arsenic	7440-38-2	ug/kg	7/30/2015	2,410	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Barium	7440-39-3	ug/kg	7/30/2015	64,800	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Beryllium	7440-41-7	ug/kg	7/30/2015	221	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Cadmium	7440-43-9	ug/kg	7/30/2015	45	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Chromium	7440-47-3	ug/kg	7/30/2015	12,500	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Cobalt	7440-48-4	ug/kg	7/30/2015	4,820	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Copper	7440-50-8	ug/kg	7/30/2015	13,400	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Cyanide	57-12-5	ug/kg	7/30/2015	186	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Lead	7439-92-1	ug/kg	7/30/2015	3,100	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Manganese	7439-96-5	ug/kg	7/30/2015	225,000	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Mercury	7439-97-6	ug/kg	7/30/2015	46	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Molybdenum	7439-98-7	ug/kg	7/30/2015	1,370	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Nickel	7440-02-0	ug/kg	7/30/2015	9,140	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Selenium	7782-49-2	ug/kg	7/30/2015	931	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Uranium	7440-61-1	ug/kg	7/30/2015	1,630	--	--
UPR-200-E-89	C9548	B320P8	47.5	49.5	Rad	Uranium-238	U-238	pCi/g	7/30/2015	1.2	1.1	Yes
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Aluminum	7429-90-5	ug/kg	4/25/2016	8.64E+06	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Arsenic	7440-38-2	ug/kg	4/25/2016	2,700	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Barium	7440-39-3	ug/kg	4/25/2016	127,000	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Cadmium	7440-43-9	ug/kg	4/25/2016	100	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Chromium	7440-47-3	ug/kg	4/25/2016	9,900	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Copper	7440-50-8	ug/kg	4/25/2016	22,700	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Cyanide	57-12-5	ug/kg	4/25/2016	740	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Fluoride	16984-48-8	ug/kg	4/25/2016	350	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Lead	7439-92-1	ug/kg	4/25/2016	4,900	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Manganese	7439-96-5	ug/kg	4/25/2016	393,000	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Nickel	7440-02-0	ug/kg	4/25/2016	13,800	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Nitrate	14797-55-8	ug/kg	4/25/2016	1.02E+06	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Selenium	7782-49-2	ug/kg	4/25/2016	2,100	--	--
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Uranium	7440-61-1	ug/kg	4/25/2016	660	--	--
UPR-200-E-89	C9549	B352X7	197.9	199.2	Rad	Technetium-99	14133-76-7	pCi/g	4/25/2016	82	--	--
UPR-200-E-89	C9549	B352X7	197.9	199.2	Rad	Uranium-234	13966-29-5	pCi/g	4/25/2016	0.15	1.1	No
UPR-200-E-89	C9549	B352X7	197.9	199.2	Rad	Uranium-238	U-238	pCi/g	4/25/2016	0.11	1.1	No
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Aluminum	7429-90-5	ug/kg	4/25/2016	1.00E+07	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Arsenic	7440-38-2	ug/kg	4/25/2016	4,100	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Barium	7440-39-3	ug/kg	4/25/2016	81,500	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Cadmium	7440-43-9	ug/kg	4/25/2016	220	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Chromium	7440-47-3	ug/kg	4/25/2016	15,400	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Copper	7440-50-8	ug/kg	4/25/2016	16,500	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Cyanide	57-12-5	ug/kg	4/25/2016	490	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Fluoride	16984-48-8	ug/kg	4/25/2016	170	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Lead	7439-92-1	ug/kg	4/25/2016	5,600	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Manganese	7439-96-5	ug/kg	4/25/2016	403,000	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Nickel	7440-02-0	ug/kg	4/25/2016	16,600	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Nitrate	14797-55-8	ug/kg	4/25/2016	531,000	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Selenium	7782-49-2	ug/kg	4/25/2016	1,600	--	--
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Uranium	7440-61-1	ug/kg	4/25/2016	620	--	--
UPR-200-E-89	C9549	B352X5	186.8	187.8	Rad	Technetium-99	14133-76-7	pCi/g	4/25/2016	55	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C9549	B352X5	186.8	187.8	Rad	Uranium-234	13966-29-5	pCi/g	4/25/2016	0.087	1.1	No
UPR-200-E-89	C9549	B352X5	186.8	187.8	Rad	Uranium-238	U-238	pCi/g	4/25/2016	0.32	1.1	No
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Aluminum	7429-90-5	ug/kg	4/25/2016	8.14E+06	--	--
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Arsenic	7440-38-2	ug/kg	4/25/2016	3,700	--	--
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Barium	7440-39-3	ug/kg	4/25/2016	113,000	--	--
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Chromium	7440-47-3	ug/kg	4/25/2016	12,700	--	--
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Copper	7440-50-8	ug/kg	4/25/2016	16,400	--	--
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Cyanide	57-12-5	ug/kg	4/25/2016	170	--	--
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Lead	7439-92-1	ug/kg	4/25/2016	4,000	--	--
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Manganese	7439-96-5	ug/kg	4/25/2016	375,000	--	--
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Nickel	7440-02-0	ug/kg	4/25/2016	14,500	--	--
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Nitrate	14797-55-8	ug/kg	4/25/2016	1.02E+06	--	--
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Nitrite	14797-65-0	ug/kg	4/25/2016	723	--	--
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Selenium	7782-49-2	ug/kg	4/25/2016	1,400	--	--
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Uranium	7440-61-1	ug/kg	4/25/2016	790	--	--
UPR-200-E-89	C9549	B352X3	156.6	157.6	Rad	Technetium-99	14133-76-7	pCi/g	4/25/2016	119	--	--
UPR-200-E-89	C9549	B352X3	156.6	157.6	Rad	Uranium-234	13966-29-5	pCi/g	4/25/2016	0.25	1.1	No
UPR-200-E-89	C9549	B352X3	156.6	157.6	Rad	Uranium-238	U-238	pCi/g	4/25/2016	0.19	1.1	No
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Aluminum	7429-90-5	ug/kg	4/21/2016	8.33E+06	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Arsenic	7440-38-2	ug/kg	4/21/2016	5,000	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Barium	7440-39-3	ug/kg	4/21/2016	91,600	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Cadmium	7440-43-9	ug/kg	4/21/2016	86	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Chromium	7440-47-3	ug/kg	4/21/2016	18,900	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Copper	7440-50-8	ug/kg	4/21/2016	18,200	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Cyanide	57-12-5	ug/kg	4/21/2016	580	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Fluoride	16984-48-8	ug/kg	4/21/2016	220	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Lead	7439-92-1	ug/kg	4/21/2016	4,100	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Manganese	7439-96-5	ug/kg	4/21/2016	415,000	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Nickel	7440-02-0	ug/kg	4/21/2016	25,500	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Nitrate	14797-55-8	ug/kg	4/21/2016	1.15E+06	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Nitrite	14797-65-0	ug/kg	4/21/2016	361	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Selenium	7782-49-2	ug/kg	4/21/2016	1,100	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Silver	7440-22-4	ug/kg	4/21/2016	190	--	--
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Uranium	7440-61-1	ug/kg	4/21/2016	500	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C9549	B352X1	127.2	128.3	Rad	Technetium-99	14133-76-7	pCi/g	4/21/2016	85	--	--
UPR-200-E-89	C9549	B352X1	127.2	128.3	Rad	Uranium-234	13966-29-5	pCi/g	4/21/2016	0.22	1.1	No
UPR-200-E-89	C9549	B352X1	127.2	128.3	Rad	Uranium-235	15117-96-1	pCi/g	4/21/2016	0.051	0.11	No
UPR-200-E-89	C9549	B352X1	127.2	128.3	Rad	Uranium-238	U-238	pCi/g	4/21/2016	0.35	1.1	No
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Aluminum	7429-90-5	ug/kg	4/21/2016	1.87E+07	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Antimony	7440-36-0	ug/kg	4/21/2016	490	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Arsenic	7440-38-2	ug/kg	4/21/2016	15,400	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Barium	7440-39-3	ug/kg	4/21/2016	339,000	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Cadmium	7440-43-9	ug/kg	4/21/2016	290	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Chromium	7440-47-3	ug/kg	4/21/2016	51,400	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Copper	7440-50-8	ug/kg	4/21/2016	64,100	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Cyanide	57-12-5	ug/kg	4/21/2016	6,100	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Lead	7439-92-1	ug/kg	4/21/2016	9,100	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Manganese	7439-96-5	ug/kg	4/21/2016	976,000	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Nickel	7440-02-0	ug/kg	4/21/2016	52,200	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Nitrate	14797-55-8	ug/kg	4/21/2016	1.42E+07	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Nitrite	14797-65-0	ug/kg	4/21/2016	3,150	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Selenium	7782-49-2	ug/kg	4/21/2016	2,200	--	--
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Uranium	7440-61-1	ug/kg	4/21/2016	1,100	--	--
UPR-200-E-89	C9549	B352W9	123.4	124.7	Rad	Technetium-99	14133-76-7	pCi/g	4/21/2016	441	--	--
UPR-200-E-89	C9549	B352W9	123.4	124.7	Rad	Uranium-234	13966-29-5	pCi/g	4/21/2016	0.14	1.1	No
UPR-200-E-89	C9549	B352W9	123.4	124.7	Rad	Uranium-235	15117-96-1	pCi/g	4/21/2016	0.056	0.11	No
UPR-200-E-89	C9549	B352W9	123.4	124.7	Rad	Uranium-238	U-238	pCi/g	4/21/2016	0.15	1.1	No
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Aluminum	7429-90-5	ug/kg	4/21/2016	5.25E+06	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Arsenic	7440-38-2	ug/kg	4/21/2016	3,100	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Barium	7440-39-3	ug/kg	4/21/2016	50,400	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Cadmium	7440-43-9	ug/kg	4/21/2016	270	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Chromium	7440-47-3	ug/kg	4/21/2016	10,200	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Copper	7440-50-8	ug/kg	4/21/2016	10,700	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Cyanide	57-12-5	ug/kg	4/21/2016	1,400	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Lead	7439-92-1	ug/kg	4/21/2016	3,400	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Manganese	7439-96-5	ug/kg	4/21/2016	265,000	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Nickel	7440-02-0	ug/kg	4/21/2016	12,000	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Nitrate	14797-55-8	ug/kg	4/21/2016	2.61E+06	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Nitrite	14797-65-0	ug/kg	4/21/2016	1,450	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Selenium	7782-49-2	ug/kg	4/21/2016	1,100	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Silver	7440-22-4	ug/kg	4/21/2016	230	--	--
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Uranium	7440-61-1	ug/kg	4/21/2016	560	--	--
UPR-200-E-89	C9549	B352W7	112.6	113.6	Rad	Technetium-99	14133-76-7	pCi/g	4/21/2016	134	--	--
UPR-200-E-89	C9549	B352W7	112.6	113.6	Rad	Uranium-234	13966-29-5	pCi/g	4/21/2016	0.19	1.1	No
UPR-200-E-89	C9549	B352W7	112.6	113.6	Rad	Uranium-238	U-238	pCi/g	4/21/2016	0.24	1.1	No
UPR-200-E-89	C9549	B33123	7.2	9.7	non-Rad	Fluoride	16984-48-8	ug/kg	10/6/2015	1,510	2,810	No
UPR-200-E-89	C9549	B33123	7.2	9.7	non-Rad	Nitrate	14797-55-8	ug/kg	10/6/2015	45,200	52,000	No
UPR-200-E-89	C9549	B33122	7.2	9.7	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/6/2015	215	--	--
UPR-200-E-89	C9549	B33122	7.2	9.7	non-Rad	Cyanide	57-12-5	ug/kg	10/6/2015	126	--	--
UPR-200-E-89	C9549	B33122	7.2	9.7	non-Rad	Uranium	7440-61-1	ug/kg	10/6/2015	611	3,210	No
UPR-200-E-89	C9549	B33122	7.2	9.7	Rad	Uranium-233/234	U-233/234	pCi/g	10/6/2015	1.2	1.1	Yes
UPR-200-E-89	C9549	B33122	7.2	9.7	Rad	Uranium-238	U-238	pCi/g	10/6/2015	1.0	1.1	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Aluminum	7429-90-5	ug/kg	3/29/2016	1.03E+07	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Antimony	7440-36-0	ug/kg	3/29/2016	310	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Arsenic	7440-38-2	ug/kg	3/29/2016	6,000	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Barium	7440-39-3	ug/kg	3/29/2016	72,400	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Cadmium	7440-43-9	ug/kg	3/29/2016	140	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Chromium	7440-47-3	ug/kg	3/29/2016	16,700	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Copper	7440-50-8	ug/kg	3/29/2016	22,700	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Cyanide	57-12-5	ug/kg	3/29/2016	260	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Fluoride	16984-48-8	ug/kg	3/29/2016	470	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Lead	7439-92-1	ug/kg	3/29/2016	6,100	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Manganese	7439-96-5	ug/kg	3/29/2016	497,000	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Nickel	7440-02-0	ug/kg	3/29/2016	19,500	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Nitrate	14797-55-8	ug/kg	3/29/2016	620,000	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Nitrite	14797-65-0	ug/kg	3/29/2016	302	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Selenium	7782-49-2	ug/kg	3/29/2016	1,300	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Silver	7440-22-4	ug/kg	3/29/2016	170	--	--
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Uranium	7440-61-1	ug/kg	3/29/2016	680	--	--
UPR-200-E-89	C9550	B34T34	194	196	Rad	Technetium-99	14133-76-7	pCi/g	3/29/2016	16	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Aluminum	7429-90-5	ug/kg	3/29/2016	8.08E+06	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Arsenic	7440-38-2	ug/kg	3/29/2016	5,600	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Barium	7440-39-3	ug/kg	3/29/2016	76,800	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Cadmium	7440-43-9	ug/kg	3/29/2016	170	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Chromium	7440-47-3	ug/kg	3/29/2016	11,600	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Copper	7440-50-8	ug/kg	3/29/2016	10,600	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Fluoride	16984-48-8	ug/kg	3/29/2016	160	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Lead	7439-92-1	ug/kg	3/29/2016	4,200	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Manganese	7439-96-5	ug/kg	3/29/2016	358,000	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Nickel	7440-02-0	ug/kg	3/29/2016	12,300	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Nitrate	14797-55-8	ug/kg	3/29/2016	7,970	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Selenium	7782-49-2	ug/kg	3/29/2016	880	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Silver	7440-22-4	ug/kg	3/29/2016	190	--	--
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Uranium	7440-61-1	ug/kg	3/29/2016	500	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Aluminum	7429-90-5	ug/kg	3/25/2016	1.14E+07	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Arsenic	7440-38-2	ug/kg	3/25/2016	3,700	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Barium	7440-39-3	ug/kg	3/25/2016	94,800	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Chromium	7440-47-3	ug/kg	3/25/2016	14,700	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Copper	7440-50-8	ug/kg	3/25/2016	17,300	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Cyanide	57-12-5	ug/kg	3/25/2016	130	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Fluoride	16984-48-8	ug/kg	3/25/2016	210	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Lead	7439-92-1	ug/kg	3/25/2016	3,600	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Manganese	7439-96-5	ug/kg	3/25/2016	416,000	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Nickel	7440-02-0	ug/kg	3/25/2016	15,400	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Nitrate	14797-55-8	ug/kg	3/25/2016	575,000	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Selenium	7782-49-2	ug/kg	3/25/2016	1,700	--	--
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Uranium	7440-61-1	ug/kg	3/25/2016	580	--	--
UPR-200-E-89	C9550	B34T30	154	155	Rad	Technetium-99	14133-76-7	pCi/g	3/25/2016	46	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Aluminum	7429-90-5	ug/kg	3/24/2016	9.47E+06	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Antimony	7440-36-0	ug/kg	3/24/2016	320	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Arsenic	7440-38-2	ug/kg	3/24/2016	4,500	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Barium	7440-39-3	ug/kg	3/24/2016	66,800	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Chromium	7440-47-3	ug/kg	3/24/2016	13,600	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Copper	7440-50-8	ug/kg	3/24/2016	16,300	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Fluoride	16984-48-8	ug/kg	3/24/2016	240	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Lead	7439-92-1	ug/kg	3/24/2016	3,900	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Manganese	7439-96-5	ug/kg	3/24/2016	348,000	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Nickel	7440-02-0	ug/kg	3/24/2016	16,600	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Nitrate	14797-55-8	ug/kg	3/24/2016	620,000	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Nitrite	14797-65-0	ug/kg	3/24/2016	394	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Selenium	7782-49-2	ug/kg	3/24/2016	1,600	--	--
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Uranium	7440-61-1	ug/kg	3/24/2016	980	--	--
UPR-200-E-89	C9550	B34T28	129.5	130.5	Rad	Technetium-99	14133-76-7	pCi/g	3/24/2016	28	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Aluminum	7429-90-5	ug/kg	3/25/2016	1.03E+07	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Antimony	7440-36-0	ug/kg	3/25/2016	320	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Arsenic	7440-38-2	ug/kg	3/25/2016	5,700	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Barium	7440-39-3	ug/kg	3/25/2016	83,500	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Cadmium	7440-43-9	ug/kg	3/25/2016	81	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Chromium	7440-47-3	ug/kg	3/25/2016	19,600	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Copper	7440-50-8	ug/kg	3/25/2016	17,500	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Fluoride	16984-48-8	ug/kg	3/25/2016	360	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Lead	7439-92-1	ug/kg	3/25/2016	4,600	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Manganese	7439-96-5	ug/kg	3/25/2016	422,000	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Nickel	7440-02-0	ug/kg	3/25/2016	23,400	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Nitrate	14797-55-8	ug/kg	3/25/2016	323,000	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Nitrite	14797-65-0	ug/kg	3/25/2016	292	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Selenium	7782-49-2	ug/kg	3/25/2016	1,500	--	--
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Uranium	7440-61-1	ug/kg	3/25/2016	640	--	--
UPR-200-E-89	C9550	B34T26	110.2	111.2	Rad	Technetium-99	14133-76-7	pCi/g	3/25/2016	11	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Aluminum	7429-90-5	ug/kg	3/24/2016	1.02E+07	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Arsenic	7440-38-2	ug/kg	3/24/2016	5,500	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Barium	7440-39-3	ug/kg	3/24/2016	125,000	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Cadmium	7440-43-9	ug/kg	3/24/2016	92	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Chromium	7440-47-3	ug/kg	3/24/2016	18,000	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Copper	7440-50-8	ug/kg	3/24/2016	15,400	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Fluoride	16984-48-8	ug/kg	3/24/2016	290	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Lead	7439-92-1	ug/kg	3/24/2016	7,800	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Manganese	7439-96-5	ug/kg	3/24/2016	611,000	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Nickel	7440-02-0	ug/kg	3/24/2016	22,500	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Nitrate	14797-55-8	ug/kg	3/24/2016	4,870	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Selenium	7782-49-2	ug/kg	3/24/2016	1,500	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Silver	7440-22-4	ug/kg	3/24/2016	200	--	--
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Uranium	7440-61-1	ug/kg	3/24/2016	800	--	--
UPR-200-E-89	C9550	B34T24	100.8	101.8	Rad	Technetium-99	14133-76-7	pCi/g	3/24/2016	0.99	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Aluminum	7429-90-5	ug/kg	3/24/2016	9.53E+06	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Arsenic	7440-38-2	ug/kg	3/24/2016	2,900	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Barium	7440-39-3	ug/kg	3/24/2016	61,800	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Cadmium	7440-43-9	ug/kg	3/24/2016	120	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Chromium	7440-47-3	ug/kg	3/24/2016	12,700	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Copper	7440-50-8	ug/kg	3/24/2016	11,600	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Fluoride	16984-48-8	ug/kg	3/24/2016	310	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Lead	7439-92-1	ug/kg	3/24/2016	3,700	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Manganese	7439-96-5	ug/kg	3/24/2016	287,000	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Nickel	7440-02-0	ug/kg	3/24/2016	11,800	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Nitrate	14797-55-8	ug/kg	3/24/2016	3,850	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Nitrite	14797-65-0	ug/kg	3/24/2016	263	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Selenium	7782-49-2	ug/kg	3/24/2016	1,300	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Silver	7440-22-4	ug/kg	3/24/2016	250	--	--
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Uranium	7440-61-1	ug/kg	3/24/2016	880	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Aluminum	7429-90-5	ug/kg	3/18/2016	9.04E+06	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Arsenic	7440-38-2	ug/kg	3/18/2016	2,900	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Barium	7440-39-3	ug/kg	3/18/2016	51,500	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Cadmium	7440-43-9	ug/kg	3/18/2016	85	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Chromium	7440-47-3	ug/kg	3/18/2016	16,400	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Copper	7440-50-8	ug/kg	3/18/2016	14,900	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Fluoride	16984-48-8	ug/kg	3/18/2016	200	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Lead	7439-92-1	ug/kg	3/18/2016	5,600	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Manganese	7439-96-5	ug/kg	3/18/2016	381,000	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Nickel	7440-02-0	ug/kg	3/18/2016	16,500	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Nitrate	14797-55-8	ug/kg	3/18/2016	6,200	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Nitrite	14797-65-0	ug/kg	3/18/2016	217	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Selenium	7782-49-2	ug/kg	3/18/2016	880	--	--
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Uranium	7440-61-1	ug/kg	3/18/2016	750	--	--
UPR-200-E-89	C9550	B32195	8.2	10.7	non-Rad	Fluoride	16984-48-8	ug/kg	10/1/2015	1,760	2,810	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-E-89	C9550	B32195	8.2	10.7	non-Rad	Nitrate	14797-55-8	ug/kg	10/1/2015	11,400	52,000	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Aluminum	7429-90-5	ug/kg	10/1/2015	6.58E+06	1.18E+07	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Antimony	7440-36-0	ug/kg	10/1/2015	1,650	130	Yes
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Arsenic	7440-38-2	ug/kg	10/1/2015	1,380	20,000	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Barium	7440-39-3	ug/kg	10/1/2015	87,300	132,000	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Beryllium	7440-41-7	ug/kg	10/1/2015	210	1,510	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Cadmium	7440-43-9	ug/kg	10/1/2015	156	563	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Chromium	7440-47-3	ug/kg	10/1/2015	12,200	18,500	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Cobalt	7440-48-4	ug/kg	10/1/2015	7,510	15,700	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Copper	7440-50-8	ug/kg	10/1/2015	14,200	22,000	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Lead	7439-92-1	ug/kg	10/1/2015	2,640	10,200	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Manganese	7439-96-5	ug/kg	10/1/2015	294,000	512,000	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Molybdenum	7439-98-7	ug/kg	10/1/2015	2,210	470	Yes
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Nickel	7440-02-0	ug/kg	10/1/2015	6,990	19,100	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Silver	7440-22-4	ug/kg	10/1/2015	268	167	Yes
UPR-200-E-89	C9550	B320W0	8.2	10.7	non-Rad	Uranium	7440-61-1	ug/kg	10/1/2015	482	3,210	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	Rad	Uranium-233/234	U-233/234	pCi/g	10/1/2015	0.72	1.1	No
UPR-200-E-89	C9550	B320W0	8.2	10.7	Rad	Uranium-238	U-238	pCi/g	10/1/2015	0.99	1.1	No
UPR-200-W-99	299-W14-15	B10Y93	236	238	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	11/20/2000	96	--	--
UPR-200-W-99	299-W14-15	B10Y93	236	238	non-Rad	Methylene chloride	75-09-2	ug/kg	11/20/2000	11	--	--
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Acetone	67-64-1	ug/kg	8/28/2000	14	--	--
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Arsenic	7440-38-2	ug/kg	8/28/2000	890	--	--
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Barium	7440-39-3	ug/kg	8/28/2000	23,400	--	--
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Chromium	7440-47-3	ug/kg	8/28/2000	302,000	--	--
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Lead	7439-92-1	ug/kg	8/28/2000	1,600	--	--
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Methylene chloride	75-09-2	ug/kg	8/28/2000	14	--	--
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Nitrate	14797-55-8	ug/kg	8/28/2000	1,600	--	--
UPR-200-W-99	299-W14-15	B0YVY9	236	238	Rad	Tritium	10028-17-8	pCi/g	8/28/2000	0.033	--	--
UPR-200-W-99	299-W14-15	B0YVY9	236	238	non-Rad	Uranium	7440-61-1	ug/kg	8/28/2000	568	--	--
UPR-200-W-99	299-W14-15	B0YVY8	222	225	Rad	Tritium	10028-17-8	pCi/g	8/28/2000	0.036	--	--
UPR-200-W-99	299-W14-15	B0YVY8	222	225	non-Rad	Uranium	7440-61-1	ug/kg	8/28/2000	908	--	--
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	2-Butanone	78-93-3	ug/kg	8/22/2000	1.0	--	--
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	Acetone	67-64-1	ug/kg	8/22/2000	6.0	--	--
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	Arsenic	7440-38-2	ug/kg	8/22/2000	3,300	20,000	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	Barium	7440-39-3	ug/kg	8/22/2000	79,100	132,000	No
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/22/2000	20	--	--
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	Cadmium	7440-43-9	ug/kg	8/22/2000	50	563	No
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	Chromium	7440-47-3	ug/kg	8/22/2000	8,300	18,500	No
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	Lead	7439-92-1	ug/kg	8/22/2000	5,800	10,200	No
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	Methylene chloride	75-09-2	ug/kg	8/22/2000	9.0	--	--
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	Nitrate	14797-55-8	ug/kg	8/22/2000	22,000	52,000	No
UPR-200-W-99	299-W14-15	B0YVY7	5	10	Rad	Plutonium-239/240	PU-239/240	pCi/g	8/22/2000	0.031	0.025	Yes
UPR-200-W-99	299-W14-15	B0YVY7	5	10	Rad	Uranium-238	U-238	pCi/g	8/22/2000	0.70	1.1	No
UPR-200-W-99	299-W14-15	B0YVY6	6	10	Rad	Cesium-137	10045-97-3	pCi/g	8/22/2000	3.1	1.1	Yes
UPR-200-W-99	299-W14-15	B0YVY6	6	10	Rad	Strontium-90	10098-97-2	pCi/g	8/22/2000	7.2	0.18	Yes
UPR-200-W-99	299-W14-15	B0YVY6	6	10	Rad	Uranium-233/234	U-233/234	pCi/g	8/22/2000	0.55	1.1	No
UPR-200-W-99	299-W14-15	B0YVY5	5	5	Rad	Cesium-137	10045-97-3	pCi/g	8/22/2000	2.8	1.1	Yes
UPR-200-W-99	299-W14-15	B0YVY5	5	5	Rad	Strontium-90	10098-97-2	pCi/g	8/22/2000	0.43	0.18	Yes
UPR-200-W-99	299-W14-15	B0YVY5	5	5	Rad	Uranium-233/234	U-233/234	pCi/g	8/22/2000	0.47	1.1	No
UPR-200-W-99	299-W14-15	B0YVY5	5	5	Rad	Uranium-238	U-238	pCi/g	8/22/2000	0.57	1.1	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	2-Chlorophenol	95-57-8	ug/kg	10/28/2002	23	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/28/2002	22	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Arsenic	7440-38-2	ug/kg	10/28/2002	1,100	20,000	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Barium	7440-39-3	ug/kg	10/28/2002	46,000	132,000	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Beryllium	7440-41-7	ug/kg	10/28/2002	290	1,510	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/28/2002	790	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	Rad	Carbon-14	14762-75-5	pCi/g	10/28/2002	3.3	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Chromium	7440-47-3	ug/kg	10/28/2002	11,200	18,500	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Copper	7440-50-8	ug/kg	10/28/2002	13,800	22,000	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/28/2002	740	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Lead	7439-92-1	ug/kg	10/28/2002	2,100	10,200	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Manganese	7439-96-5	ug/kg	10/28/2002	310,000	512,000	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Methylene chloride	75-09-2	ug/kg	10/28/2002	12	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Molybdenum	7439-98-7	ug/kg	10/28/2002	480	470	Yes
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Nickel	7440-02-0	ug/kg	10/28/2002	12,500	19,100	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Nitrate	14797-55-8	ug/kg	10/28/2002	7,600	52,000	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/28/2002	19	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Phenol	108-95-2	ug/kg	10/28/2002	40	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Pyrene	129-00-0	ug/kg	10/28/2002	20	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Selenium	7782-49-2	ug/kg	10/28/2002	570	780	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Tin	7440-31-5	ug/kg	10/28/2002	1,700	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Total petroleum hydrocarbons	TPH	ug/kg	10/28/2002	24,200	--	--
UPR-200-W-99	299-W14-19	B15VT5	0	5	Rad	Uranium-238	U-238	pCi/g	10/28/2002	0.45	1.1	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Vanadium	7440-62-2	ug/kg	10/28/2002	33,700	85,100	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Zinc	7440-66-6	ug/kg	10/28/2002	33,400	67,800	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Antimony	7440-36-0	ug/kg	10/28/2002	260	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Arsenic	7440-38-2	ug/kg	10/28/2002	3,200	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Barium	7440-39-3	ug/kg	10/28/2002	73,700	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Beryllium	7440-41-7	ug/kg	10/28/2002	430	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/28/2002	41	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	Rad	Carbon-14	14762-75-5	pCi/g	10/28/2002	2.6	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	Rad	Cesium-137	10045-97-3	pCi/g	10/28/2002	0.11	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Chromium	7440-47-3	ug/kg	10/28/2002	24,700	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Copper	7440-50-8	ug/kg	10/28/2002	14,400	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Lead	7439-92-1	ug/kg	10/28/2002	3,200	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Manganese	7439-96-5	ug/kg	10/28/2002	320,000	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Methylene chloride	75-09-2	ug/kg	10/28/2002	16	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Molybdenum	7439-98-7	ug/kg	10/28/2002	1,500	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Nickel	7440-02-0	ug/kg	10/28/2002	10,100	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Nitrate	14797-55-8	ug/kg	10/28/2002	27,100	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	Rad	Strontium-90	10098-97-2	pCi/g	10/28/2002	0.55	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Tin	7440-31-5	ug/kg	10/28/2002	2,500	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	Rad	Tin-126	15832-50-5	pCi/g	10/28/2002	0.22	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Total petroleum hydrocarbons	TPH	ug/kg	10/28/2002	18,800	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	Rad	Uranium-233/234	U-233/234	pCi/g	10/28/2002	0.36	1.1	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	Rad	Uranium-238	U-238	pCi/g	10/28/2002	0.66	1.1	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Vanadium	7440-62-2	ug/kg	10/28/2002	59,500	--	--
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Zinc	7440-66-6	ug/kg	10/28/2002	43,200	--	--
UPR-200-W-99	299-W14-20	B20KP2	0	10	Rad	Americium-241	14596-10-2	pCi/g	5/12/2009	0.046	--	--
UPR-200-W-99	299-W14-20	B20KP2	0	10	non-Rad	Aroclor-1260	11096-82-5	ug/kg	5/12/2009	110	--	--
UPR-200-W-99	299-W14-20	B20KP2	0	10	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	5/12/2009	220	--	--
UPR-200-W-99	299-W14-20	B20KP2	0	10	Rad	Cesium-137	10045-97-3	pCi/g	5/12/2009	0.46	1.1	No

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-W-99	299-W14-20	B20KP2	0	10	non-Rad	Chromium	7440-47-3	ug/kg	5/12/2009	7,560	18,500	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	non-Rad	Lead	7439-92-1	ug/kg	5/12/2009	4,890	10,200	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	non-Rad	Nickel	7440-02-0	ug/kg	5/12/2009	9,710	19,100	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	Rad	Uranium-233/234	U-233/234	pCi/g	5/12/2009	0.12	1.1	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	Rad	Uranium-235	15117-96-1	pCi/g	5/12/2009	0.014	0.11	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	Rad	Uranium-238	U-238	pCi/g	5/12/2009	0.11	1.1	No
UPR-200-W-99	299-W14-20	B1YMN0	217.7	218.7	non-Rad	2-Butanone	78-93-3	ug/kg	4/6/2009	32	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Aluminum	7429-90-5	ug/kg	3/27/2009	8.35E+06	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Barium	7440-39-3	ug/kg	3/27/2009	92,500	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Chromium	7440-47-3	ug/kg	3/27/2009	12,200	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Cobalt	7440-48-4	ug/kg	3/27/2009	7,650	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Copper	7440-50-8	ug/kg	3/27/2009	19,100	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Iron	7439-89-6	ug/kg	3/27/2009	2.20E+07	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Lithium	7439-93-2	ug/kg	3/27/2009	7,320	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Manganese	7439-96-5	ug/kg	3/27/2009	330,000	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Nickel	7440-02-0	ug/kg	3/27/2009	11,300	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Strontium	7440-24-6	ug/kg	3/27/2009	37,400	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Thallium	7440-28-0	ug/kg	3/27/2009	36,700	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Vanadium	7440-62-2	ug/kg	3/27/2009	47,700	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Zinc	7440-66-6	ug/kg	3/27/2009	38,400	--	--
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Zirconium	7440-67-7	ug/kg	3/27/2009	14,600	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Aluminum	7429-90-5	ug/kg	3/27/2009	9.56E+06	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Barium	7440-39-3	ug/kg	3/27/2009	70,400	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Beryllium	7440-41-7	ug/kg	3/27/2009	351	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Chromium	7440-47-3	ug/kg	3/27/2009	14,600	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Cobalt	7440-48-4	ug/kg	3/27/2009	9,980	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Copper	7440-50-8	ug/kg	3/27/2009	14,300	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Iron	7439-89-6	ug/kg	3/27/2009	1.70E+07	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Lead	7439-92-1	ug/kg	3/27/2009	22,800	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Lithium	7439-93-2	ug/kg	3/27/2009	10,400	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Manganese	7439-96-5	ug/kg	3/27/2009	347,000	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Nickel	7440-02-0	ug/kg	3/27/2009	14,800	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Strontium	7440-24-6	ug/kg	3/27/2009	34,500	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Thallium	7440-28-0	ug/kg	3/27/2009	37,400	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Vanadium	7440-62-2	ug/kg	3/27/2009	39,200	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Zinc	7440-66-6	ug/kg	3/27/2009	40,400	--	--
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Zirconium	7440-67-7	ug/kg	3/27/2009	6,690	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Aluminum	7429-90-5	ug/kg	3/27/2009	7.38E+06	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Barium	7440-39-3	ug/kg	3/27/2009	73,000	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Chromium	7440-47-3	ug/kg	3/27/2009	9,920	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Cobalt	7440-48-4	ug/kg	3/27/2009	6,480	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Copper	7440-50-8	ug/kg	3/27/2009	9,910	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Iron	7439-89-6	ug/kg	3/27/2009	1.22E+07	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Lithium	7439-93-2	ug/kg	3/27/2009	8,440	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Manganese	7439-96-5	ug/kg	3/27/2009	222,000	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Silver	7440-22-4	ug/kg	3/27/2009	1,740	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Strontium	7440-24-6	ug/kg	3/27/2009	97,900	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Vanadium	7440-62-2	ug/kg	3/27/2009	26,400	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Zinc	7440-66-6	ug/kg	3/27/2009	28,700	--	--
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Zirconium	7440-67-7	ug/kg	3/27/2009	4,140	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Aluminum	7429-90-5	ug/kg	3/27/2009	7.59E+06	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Barium	7440-39-3	ug/kg	3/27/2009	66,300	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Chromium	7440-47-3	ug/kg	3/27/2009	10,400	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Cobalt	7440-48-4	ug/kg	3/27/2009	6,300	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Copper	7440-50-8	ug/kg	3/27/2009	9,300	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Iron	7439-89-6	ug/kg	3/27/2009	1.42E+07	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Lithium	7439-93-2	ug/kg	3/27/2009	8,310	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Manganese	7439-96-5	ug/kg	3/27/2009	238,000	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Nickel	7440-02-0	ug/kg	3/27/2009	15,200	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Strontium	7440-24-6	ug/kg	3/27/2009	53,200	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Thallium	7440-28-0	ug/kg	3/27/2009	50,900	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Vanadium	7440-62-2	ug/kg	3/27/2009	32,400	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Zinc	7440-66-6	ug/kg	3/27/2009	28,600	--	--
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Zirconium	7440-67-7	ug/kg	3/27/2009	7,890	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Aluminum	7429-90-5	ug/kg	3/26/2009	1.03E+07	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Barium	7440-39-3	ug/kg	3/26/2009	112,000	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Beryllium	7440-41-7	ug/kg	3/26/2009	369	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Chromium	7440-47-3	ug/kg	3/26/2009	10,500	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Cobalt	7440-48-4	ug/kg	3/26/2009	6,060	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Copper	7440-50-8	ug/kg	3/26/2009	12,400	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Iron	7439-89-6	ug/kg	3/26/2009	1.38E+07	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Lead	7439-92-1	ug/kg	3/26/2009	32,800	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Lithium	7439-93-2	ug/kg	3/26/2009	8,250	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Manganese	7439-96-5	ug/kg	3/26/2009	229,000	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Nickel	7440-02-0	ug/kg	3/26/2009	14,400	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Strontium	7440-24-6	ug/kg	3/26/2009	170,000	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Vanadium	7440-62-2	ug/kg	3/26/2009	31,600	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Zinc	7440-66-6	ug/kg	3/26/2009	24,600	--	--
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Zirconium	7440-67-7	ug/kg	3/26/2009	12,600	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Aluminum	7429-90-5	ug/kg	3/26/2009	8.89E+06	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Barium	7440-39-3	ug/kg	3/26/2009	92,100	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Chromium	7440-47-3	ug/kg	3/26/2009	13,600	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Cobalt	7440-48-4	ug/kg	3/26/2009	6,310	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Copper	7440-50-8	ug/kg	3/26/2009	8,450	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Iron	7439-89-6	ug/kg	3/26/2009	1.41E+07	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Lead	7439-92-1	ug/kg	3/26/2009	22,300	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Lithium	7439-93-2	ug/kg	3/26/2009	6,410	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Manganese	7439-96-5	ug/kg	3/26/2009	218,000	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Nickel	7440-02-0	ug/kg	3/26/2009	10,900	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Strontium	7440-24-6	ug/kg	3/26/2009	146,000	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Thallium	7440-28-0	ug/kg	3/26/2009	49,300	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Vanadium	7440-62-2	ug/kg	3/26/2009	43,900	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Zinc	7440-66-6	ug/kg	3/26/2009	25,200	--	--
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Zirconium	7440-67-7	ug/kg	3/26/2009	13,300	--	--
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Aluminum	7429-90-5	ug/kg	3/26/2009	5.49E+06	--	--
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Barium	7440-39-3	ug/kg	3/26/2009	74,500	--	--
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Chromium	7440-47-3	ug/kg	3/26/2009	6,840	--	--
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Cobalt	7440-48-4	ug/kg	3/26/2009	7,930	--	--
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Copper	7440-50-8	ug/kg	3/26/2009	9,370	--	--
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Iron	7439-89-6	ug/kg	3/26/2009	8.61E+06	--	--
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Lead	7439-92-1	ug/kg	3/26/2009	22,400	--	--
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Lithium	7439-93-2	ug/kg	3/26/2009	4,780	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Manganese	7439-96-5	ug/kg	3/26/2009	115,000	--	--
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Strontium	7440-24-6	ug/kg	3/26/2009	210,000	--	--
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Vanadium	7440-62-2	ug/kg	3/26/2009	23,400	--	--
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Zinc	7440-66-6	ug/kg	3/26/2009	16,200	--	--
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Zirconium	7440-67-7	ug/kg	3/26/2009	6,920	--	--
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Aluminum	7429-90-5	ug/kg	3/26/2009	9.62E+06	--	--
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Barium	7440-39-3	ug/kg	3/26/2009	77,200	--	--
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Cobalt	7440-48-4	ug/kg	3/26/2009	5,440	--	--
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Copper	7440-50-8	ug/kg	3/26/2009	11,900	--	--
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Iron	7439-89-6	ug/kg	3/26/2009	1.27E+07	--	--
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Lithium	7439-93-2	ug/kg	3/26/2009	11,400	--	--
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Manganese	7439-96-5	ug/kg	3/26/2009	267,000	--	--
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Nickel	7440-02-0	ug/kg	3/26/2009	10,700	--	--
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Strontium	7440-24-6	ug/kg	3/26/2009	25,300	--	--
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Vanadium	7440-62-2	ug/kg	3/26/2009	21,100	--	--
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Zinc	7440-66-6	ug/kg	3/26/2009	31,200	--	--
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Zirconium	7440-67-7	ug/kg	3/26/2009	5,630	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Aluminum	7429-90-5	ug/kg	4/10/2009	6.73E+06	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Arsenic	7440-38-2	ug/kg	4/10/2009	392	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Barium	7440-39-3	ug/kg	4/10/2009	58,700	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Cobalt	7440-48-4	ug/kg	4/10/2009	8,310	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Copper	7440-50-8	ug/kg	4/10/2009	7,950	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Fluoride	16984-48-8	ug/kg	4/10/2009	559	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Iron	7439-89-6	ug/kg	4/10/2009	1.81E+07	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Lead	7439-92-1	ug/kg	4/10/2009	2,500	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Manganese	7439-96-5	ug/kg	4/10/2009	457,000	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Strontium	7440-24-6	ug/kg	4/10/2009	18,400	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Vanadium	7440-62-2	ug/kg	4/10/2009	26,700	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Zinc	7440-66-6	ug/kg	4/10/2009	31,700	--	--
UPR-200-W-99	299-W14-20	B1YM92	0	227.65	non-Rad	Zirconium	7440-67-7	ug/kg	4/10/2009	7,610	--	--
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Aluminum	7429-90-5	ug/kg	4/6/2009	6.98E+06	--	--
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Arsenic	7440-38-2	ug/kg	4/6/2009	416	--	--
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Barium	7440-39-3	ug/kg	4/6/2009	102,000	--	--
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Cobalt	7440-48-4	ug/kg	4/6/2009	9,730	--	--

Table 13. 200-IA-1 Operable Unit Background Comparison for Kd Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Copper	7440-50-8	ug/kg	4/6/2009	7,540	--	--
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Fluoride	16984-48-8	ug/kg	4/6/2009	531	--	--
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Iron	7439-89-6	ug/kg	4/6/2009	1.98E+07	--	--
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Lead	7439-92-1	ug/kg	4/6/2009	2,560	--	--
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Manganese	7439-96-5	ug/kg	4/6/2009	500,000	--	--
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Strontium	7440-24-6	ug/kg	4/6/2009	19,100	--	--
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Vanadium	7440-62-2	ug/kg	4/6/2009	22,900	--	--
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Zinc	7440-66-6	ug/kg	4/6/2009	35,000	--	--
UPR-200-W-99	299-W14-20	B1YM91	217.7	218.7	non-Rad	Zirconium	7440-67-7	ug/kg	4/6/2009	8,440	--	--
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Arsenic	7440-38-2	ug/kg	3/26/2009	5,500	--	--
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Cadmium	7440-43-9	ug/kg	3/26/2009	67	--	--
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Chromium	7440-47-3	ug/kg	3/26/2009	17,800	--	--
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Fluoride	16984-48-8	ug/kg	3/26/2009	388	--	--
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Lead	7439-92-1	ug/kg	3/26/2009	6,020	--	--
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Nitrate	14797-55-8	ug/kg	3/26/2009	55,400	--	--
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Nitrite	14797-65-0	ug/kg	3/26/2009	1,490	--	--
UPR-200-W-99	299-W14-20	B1YD16	0	227.65	non-Rad	Chromium	7440-47-3	ug/kg	4/10/2009	19,200	--	--
UPR-200-W-99	299-W14-20	B1YD16	0	227.65	non-Rad	Nitrate	14797-55-8	ug/kg	4/10/2009	40,300	--	--
UPR-200-W-99	299-W14-20	B1YD16	0	227.65	Rad	Technetium-99	14133-76-7	pCi/g	4/10/2009	2.4	--	--
UPR-200-W-99	299-W14-20	B1YD16	0	227.65	non-Rad	Uranium	7440-61-1	ug/kg	4/10/2009	390	--	--
UPR-200-W-99	299-W14-20	B1YD15	217.7	218.7	non-Rad	Chromium	7440-47-3	ug/kg	4/6/2009	27,000	--	--
UPR-200-W-99	299-W14-20	B1YD15	217.7	218.7	Rad	Technetium-99	14133-76-7	pCi/g	4/6/2009	0.39	--	--
UPR-200-W-99	299-W14-20	B1YD15	217.7	218.7	non-Rad	Uranium	7440-61-1	ug/kg	4/6/2009	440	--	--
UPR-200-W-99	299-W14-20	B1YD14	90	92.5	non-Rad	Chromium	7440-47-3	ug/kg	3/26/2009	13,300	--	--
UPR-200-W-99	299-W14-20	B1YD14	90	92.5	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	3/26/2009	300	--	--
UPR-200-W-99	299-W14-20	B1YD14	90	92.5	non-Rad	Nitrate	14797-55-8	ug/kg	3/26/2009	44,300	--	--
UPR-200-W-99	299-W14-20	B1YD14	90	92.5	Rad	Technetium-99	14133-76-7	pCi/g	3/26/2009	0.61	--	--
UPR-200-W-99	299-W14-20	B1YD14	90	92.5	Rad	Tritium	10028-17-8	pCi/g	3/26/2009	39	--	--
UPR-200-W-99	299-W14-20	B1YD14	90	92.5	non-Rad	Uranium	7440-61-1	ug/kg	3/26/2009	620	--	--

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Aluminum	7429-90-5	ug/kg	2/19/2016	6.76E+06	--	--	1,500	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Antimony	7440-36-0	ug/kg	2/19/2016	140	--	--	45	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Arsenic	7440-38-2	ug/kg	2/19/2016	3,850	--	--	29	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Barium	7440-39-3	ug/kg	2/19/2016	57,100	--	--	41	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Boron	7440-42-8	ug/kg	2/19/2016	2,210	--	--	3.0	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Cadmium	7440-43-9	ug/kg	2/19/2016	65	--	--	6.7	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Cobalt	7440-48-4	ug/kg	2/19/2016	5,190	--	--	45	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Copper	7440-50-8	ug/kg	2/19/2016	8,350	--	--	22	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Fluoride	16984-48-8	ug/kg	2/19/2016	420	--	--	150	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Iron	7439-89-6	ug/kg	2/19/2016	1.52E+07	--	--	25	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Lithium	7439-93-2	ug/kg	2/19/2016	10,100	--	--	300	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Manganese	7439-96-5	ug/kg	2/19/2016	265,000	--	--	65	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Mercury	7439-97-6	ug/kg	2/19/2016	3.4	--	--	52	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Nickel	7440-02-0	ug/kg	2/19/2016	8,030	--	--	65	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Nitrate	14797-55-8	ug/kg	2/19/2016	7,700	--	--	0	Yes
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Selenium	7782-49-2	ug/kg	2/19/2016	430	--	--	5.0	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Silver	7440-22-4	ug/kg	2/19/2016	48	--	--	8.3	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Strontium	7440-24-6	ug/kg	2/19/2016	28,800	--	--	35	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Thallium	7440-28-0	ug/kg	2/19/2016	57	--	--	71	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Vanadium	7440-62-2	ug/kg	2/19/2016	31,900	--	--	1,000	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Zinc	7440-66-6	ug/kg	2/19/2016	32,600	--	--	62	No
200-E-115	299-E27-26	B34JR9	100	102	non-Rad	Zirconium	7440-67-7	ug/kg	2/19/2016	7,490	--	--	3,000	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Aluminum	7429-90-5	ug/kg	2/22/2016	8.85E+06	--	--	1,500	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Antimony	7440-36-0	ug/kg	2/22/2016	78	--	--	45	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Arsenic	7440-38-2	ug/kg	2/22/2016	2,720	--	--	29	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Barium	7440-39-3	ug/kg	2/22/2016	50,900	--	--	41	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Boron	7440-42-8	ug/kg	2/22/2016	1,840	--	--	3.0	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Cadmium	7440-43-9	ug/kg	2/22/2016	38	--	--	6.7	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Cobalt	7440-48-4	ug/kg	2/22/2016	5,030	--	--	45	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Copper	7440-50-8	ug/kg	2/22/2016	10,300	--	--	22	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Fluoride	16984-48-8	ug/kg	2/22/2016	610	--	--	150	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Iron	7439-89-6	ug/kg	2/22/2016	1.37E+07	--	--	25	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Lithium	7439-93-2	ug/kg	2/22/2016	5,980	--	--	300	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Manganese	7439-96-5	ug/kg	2/22/2016	198,000	--	--	65	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Mercury	7439-97-6	ug/kg	2/22/2016	1.5	--	--	52	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Molybdenum	7439-98-7	ug/kg	2/22/2016	897	--	--	20	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Nickel	7440-02-0	ug/kg	2/22/2016	8,600	--	--	65	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Nitrate	14797-55-8	ug/kg	2/22/2016	2,890	--	--	0	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Nitrite	14797-65-0	ug/kg	2/22/2016	850	--	--	0	Yes
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Selenium	7782-49-2	ug/kg	2/22/2016	434	--	--	5.0	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Silver	7440-22-4	ug/kg	2/22/2016	30	--	--	8.3	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Strontium	7440-24-6	ug/kg	2/22/2016	26,400	--	--	35	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Thallium	7440-28-0	ug/kg	2/22/2016	46	--	--	71	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Vanadium	7440-62-2	ug/kg	2/22/2016	34,500	--	--	1,000	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Zinc	7440-66-6	ug/kg	2/22/2016	25,200	--	--	62	No
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Zirconium	7440-67-7	ug/kg	2/22/2016	9,300	--	--	3,000	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Aluminum	7429-90-5	ug/kg	2/22/2016	7.03E+06	--	--	1,500	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Antimony	7440-36-0	ug/kg	2/22/2016	112	--	--	45	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Arsenic	7440-38-2	ug/kg	2/22/2016	3,410	--	--	29	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Barium	7440-39-3	ug/kg	2/22/2016	64,700	--	--	41	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Boron	7440-42-8	ug/kg	2/22/2016	2,630	--	--	3.0	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Cadmium	7440-43-9	ug/kg	2/22/2016	75	--	--	6.7	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Cobalt	7440-48-4	ug/kg	2/22/2016	5,850	--	--	45	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Copper	7440-50-8	ug/kg	2/22/2016	10,700	--	--	22	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Fluoride	16984-48-8	ug/kg	2/22/2016	570	--	--	150	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Iron	7439-89-6	ug/kg	2/22/2016	1.71E+07	--	--	25	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Lithium	7439-93-2	ug/kg	2/22/2016	9,010	--	--	300	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Manganese	7439-96-5	ug/kg	2/22/2016	260,000	--	--	65	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Mercury	7439-97-6	ug/kg	2/22/2016	3.8	--	--	52	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Nickel	7440-02-0	ug/kg	2/22/2016	12,000	--	--	65	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Nitrate	14797-55-8	ug/kg	2/22/2016	11,000	--	--	0	Yes
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Nitrite	14797-65-0	ug/kg	2/22/2016	890	--	--	0	Yes
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Selenium	7782-49-2	ug/kg	2/22/2016	522	--	--	5.0	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Silver	7440-22-4	ug/kg	2/22/2016	39	--	--	8.3	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Strontium	7440-24-6	ug/kg	2/22/2016	30,900	--	--	35	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Thallium	7440-28-0	ug/kg	2/22/2016	49	--	--	71	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Vanadium	7440-62-2	ug/kg	2/22/2016	42,500	--	--	1,000	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Zinc	7440-66-6	ug/kg	2/22/2016	34,200	--	--	62	No
200-E-115	299-E27-26	B34JP2	152	155	non-Rad	Zirconium	7440-67-7	ug/kg	2/22/2016	10,100	--	--	3,000	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Aluminum	7429-90-5	ug/kg	2/19/2016	6.57E+06	--	--	1,500	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Antimony	7440-36-0	ug/kg	2/19/2016	171	--	--	45	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Arsenic	7440-38-2	ug/kg	2/19/2016	3,620	--	--	29	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Barium	7440-39-3	ug/kg	2/19/2016	67,000	--	--	41	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Boron	7440-42-8	ug/kg	2/19/2016	2,790	--	--	3.0	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Cadmium	7440-43-9	ug/kg	2/19/2016	64	--	--	6.7	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Cobalt	7440-48-4	ug/kg	2/19/2016	7,410	--	--	45	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Copper	7440-50-8	ug/kg	2/19/2016	10,100	--	--	22	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Fluoride	16984-48-8	ug/kg	2/19/2016	640	--	--	150	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Iron	7439-89-6	ug/kg	2/19/2016	1.63E+07	--	--	25	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Lithium	7439-93-2	ug/kg	2/19/2016	9,050	--	--	300	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Manganese	7439-96-5	ug/kg	2/19/2016	375,000	--	--	65	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Mercury	7439-97-6	ug/kg	2/19/2016	2.1	--	--	52	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Nickel	7440-02-0	ug/kg	2/19/2016	8,960	--	--	65	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Nitrate	14797-55-8	ug/kg	2/19/2016	4,990	--	--	0	Yes
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Nitrite	14797-65-0	ug/kg	2/19/2016	760	--	--	0	Yes
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Selenium	7782-49-2	ug/kg	2/19/2016	509	--	--	5.0	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Silver	7440-22-4	ug/kg	2/19/2016	58	--	--	8.3	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Strontium	7440-24-6	ug/kg	2/19/2016	31,200	--	--	35	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Thallium	7440-28-0	ug/kg	2/19/2016	52	--	--	71	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Vanadium	7440-62-2	ug/kg	2/19/2016	37,400	--	--	1,000	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Zinc	7440-66-6	ug/kg	2/19/2016	32,600	--	--	62	No
200-E-115	299-E27-26	B34JN6	134	136	non-Rad	Zirconium	7440-67-7	ug/kg	2/19/2016	8,740	--	--	3,000	No
200-E-115	C7680	B26JL8	0	1.0	non-Rad	Styrene	100-42-5	ug/kg	8/26/2010	0.31	--	--	0.91	Yes
200-E-115	C7680	B26JL8	0	1.0	non-Rad	Toluene	108-88-3	ug/kg	8/26/2010	0.27	--	--	0.14	Yes
200-E-115	C7680	B26JK9	0	1.0	non-Rad	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/26/2010	7.40E-04	--	--	131	No
200-E-115	C7680	B26JK9	0	1.0	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/26/2010	0.0010	--	--	128	No
200-E-115	C7680	B26JK9	0	1.0	non-Rad	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	8/26/2010	0.0015	--	--	209	No
200-E-115	C7680	B26JK9	0	1.0	non-Rad	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	8/26/2010	4.30E-04	--	--	128	No
200-E-115	C7680	B26JK8	0	1.0	non-Rad	Antimony	7440-36-0	ug/kg	8/26/2010	214	130	Yes	45	No
200-E-115	C7680	B26JK8	0	1.0	non-Rad	Nitrite	14797-65-0	ug/kg	8/26/2010	232	--	--	0	Yes
200-E-115	C7680	B26JK8	0	1.0	non-Rad	Strontium	7440-24-6	ug/kg	8/26/2010	32,600	--	--	35	No
200-E-115	C7680	B26JK8	0	1.0	Rad	Tritium	10028-17-8	pCi/g	8/26/2010	45	--	--	0	Yes
200-E-115	C7680	B26JK8	0	1.0	non-Rad	Tungsten	7440-33-7	ug/kg	8/26/2010	39,500	--	--	150	No
200-E-115	C7680	B26JK8	0	1.0	non-Rad	Zirconium	7440-67-7	ug/kg	8/26/2010	12,800	--	--	3,000	No
200-E-115	C7680	B26C41	142	144	non-Rad	Toluene	108-88-3	ug/kg	9/1/2010	0.30	--	--	0.14	Yes
200-E-115	C7680	B26C40	142	144	non-Rad	Aluminum	7429-90-5	ug/kg	9/1/2010	5.39E+06	--	--	1,500	No
200-E-115	C7680	B26C40	142	144	non-Rad	Antimony	7440-36-0	ug/kg	9/1/2010	127	--	--	45	No
200-E-115	C7680	B26C40	142	144	non-Rad	Arsenic	7440-38-2	ug/kg	9/1/2010	2,550	--	--	29	No
200-E-115	C7680	B26C40	142	144	non-Rad	Barium	7440-39-3	ug/kg	9/1/2010	57,000	--	--	41	No
200-E-115	C7680	B26C40	142	144	non-Rad	Beryllium	7440-41-7	ug/kg	9/1/2010	112	--	--	790	No
200-E-115	C7680	B26C40	142	144	non-Rad	Cadmium	7440-43-9	ug/kg	9/1/2010	69	--	--	6.7	No
200-E-115	C7680	B26C40	142	144	non-Rad	Cobalt	7440-48-4	ug/kg	9/1/2010	4,940	--	--	45	No
200-E-115	C7680	B26C40	142	144	non-Rad	Copper	7440-50-8	ug/kg	9/1/2010	9,370	--	--	22	No
200-E-115	C7680	B26C40	142	144	non-Rad	Fluoride	16984-48-8	ug/kg	9/1/2010	566	--	--	150	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
200-E-115	C7680	B26C40	142	144	non-Rad	Iron	7439-89-6	ug/kg	9/1/2010	1.57E+07	--	--	25	No
200-E-115	C7680	B26C40	142	144	non-Rad	Lithium	7439-93-2	ug/kg	9/1/2010	6,940	--	--	300	No
200-E-115	C7680	B26C40	142	144	non-Rad	Manganese	7439-96-5	ug/kg	9/1/2010	250,000	--	--	65	No
200-E-115	C7680	B26C40	142	144	non-Rad	Nickel	7440-02-0	ug/kg	9/1/2010	8,650	--	--	65	No
200-E-115	C7680	B26C40	142	144	non-Rad	Nitrate	14797-55-8	ug/kg	9/1/2010	15,200	--	--	0	Yes
200-E-115	C7680	B26C40	142	144	non-Rad	Nitrite	14797-65-0	ug/kg	9/1/2010	808	--	--	0	Yes
200-E-115	C7680	B26C40	142	144	non-Rad	Selenium	7782-49-2	ug/kg	9/1/2010	438	--	--	5.0	No
200-E-115	C7680	B26C40	142	144	non-Rad	Silver	7440-22-4	ug/kg	9/1/2010	45	--	--	8.3	No
200-E-115	C7680	B26C40	142	144	non-Rad	Strontium	7440-24-6	ug/kg	9/1/2010	24,900	--	--	35	No
200-E-115	C7680	B26C40	142	144	non-Rad	Thallium	7440-28-0	ug/kg	9/1/2010	91	--	--	71	No
200-E-115	C7680	B26C40	142	144	non-Rad	Vanadium	7440-62-2	ug/kg	9/1/2010	35,100	--	--	1,000	No
200-E-115	C7680	B26C40	142	144	non-Rad	Zinc	7440-66-6	ug/kg	9/1/2010	29,800	--	--	62	No
200-E-115	C7680	B26C40	142	144	non-Rad	Zirconium	7440-67-7	ug/kg	9/1/2010	8,670	--	--	3,000	No
200-E-115	C7680	B26C39	116	118	non-Rad	Styrene	100-42-5	ug/kg	9/1/2010	0.30	--	--	0.91	Yes
200-E-115	C7680	B26C39	116	118	non-Rad	Toluene	108-88-3	ug/kg	9/1/2010	0.27	--	--	0.14	Yes
200-E-115	C7680	B26C38	116	118	non-Rad	Aluminum	7429-90-5	ug/kg	9/1/2010	6.18E+06	--	--	1,500	No
200-E-115	C7680	B26C38	116	118	non-Rad	Antimony	7440-36-0	ug/kg	9/1/2010	157	--	--	45	No
200-E-115	C7680	B26C38	116	118	non-Rad	Arsenic	7440-38-2	ug/kg	9/1/2010	3,470	--	--	29	No
200-E-115	C7680	B26C38	116	118	non-Rad	Barium	7440-39-3	ug/kg	9/1/2010	58,600	--	--	41	No
200-E-115	C7680	B26C38	116	118	non-Rad	Beryllium	7440-41-7	ug/kg	9/1/2010	176	--	--	790	No
200-E-115	C7680	B26C38	116	118	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/1/2010	5,620	--	--	111	No
200-E-115	C7680	B26C38	116	118	non-Rad	Cadmium	7440-43-9	ug/kg	9/1/2010	63	--	--	6.7	No
200-E-115	C7680	B26C38	116	118	non-Rad	Cobalt	7440-48-4	ug/kg	9/1/2010	5,740	--	--	45	No
200-E-115	C7680	B26C38	116	118	non-Rad	Copper	7440-50-8	ug/kg	9/1/2010	9,040	--	--	22	No
200-E-115	C7680	B26C38	116	118	non-Rad	Fluoride	16984-48-8	ug/kg	9/1/2010	648	--	--	150	No
200-E-115	C7680	B26C38	116	118	non-Rad	Iron	7439-89-6	ug/kg	9/1/2010	1.60E+07	--	--	25	No
200-E-115	C7680	B26C38	116	118	non-Rad	Lithium	7439-93-2	ug/kg	9/1/2010	8,660	--	--	300	No
200-E-115	C7680	B26C38	116	118	non-Rad	Manganese	7439-96-5	ug/kg	9/1/2010	267,000	--	--	65	No
200-E-115	C7680	B26C38	116	118	non-Rad	Nickel	7440-02-0	ug/kg	9/1/2010	14,700	--	--	65	No
200-E-115	C7680	B26C38	116	118	non-Rad	Nitrate	14797-55-8	ug/kg	9/1/2010	5,900	--	--	0	Yes
200-E-115	C7680	B26C38	116	118	non-Rad	Nitrite	14797-65-0	ug/kg	9/1/2010	437	--	--	0	Yes
200-E-115	C7680	B26C38	116	118	non-Rad	Selenium	7782-49-2	ug/kg	9/1/2010	469	--	--	5.0	No
200-E-115	C7680	B26C38	116	118	Rad	Selenium-79	15758-45-9	pCi/g	9/1/2010	2.2	--	--	5.0	No
200-E-115	C7680	B26C38	116	118	non-Rad	Silver	7440-22-4	ug/kg	9/1/2010	44	--	--	8.3	No
200-E-115	C7680	B26C38	116	118	non-Rad	Strontium	7440-24-6	ug/kg	9/1/2010	29,400	--	--	35	No
200-E-115	C7680	B26C38	116	118	non-Rad	Thallium	7440-28-0	ug/kg	9/1/2010	54	--	--	71	No
200-E-115	C7680	B26C38	116	118	Rad	Tritium	10028-17-8	pCi/g	9/1/2010	53	--	--	0	Yes
200-E-115	C7680	B26C38	116	118	non-Rad	Vanadium	7440-62-2	ug/kg	9/1/2010	31,000	--	--	1,000	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
200-E-115	C7680	B26C38	116	118	non-Rad	Zinc	7440-66-6	ug/kg	9/1/2010	32,000	--	--	62	No
200-E-115	C7680	B26C38	116	118	non-Rad	Zirconium	7440-67-7	ug/kg	9/1/2010	6,470	--	--	3,000	No
200-E-115	C7680	B26C36	92	94	non-Rad	Aluminum	7429-90-5	ug/kg	9/1/2010	7.90E+06	--	--	1,500	No
200-E-115	C7680	B26C36	92	94	non-Rad	Antimony	7440-36-0	ug/kg	9/1/2010	189	--	--	45	No
200-E-115	C7680	B26C36	92	94	non-Rad	Arsenic	7440-38-2	ug/kg	9/1/2010	4,520	--	--	29	No
200-E-115	C7680	B26C36	92	94	non-Rad	Barium	7440-39-3	ug/kg	9/1/2010	87,200	--	--	41	No
200-E-115	C7680	B26C36	92	94	non-Rad	Beryllium	7440-41-7	ug/kg	9/1/2010	215	--	--	790	No
200-E-115	C7680	B26C36	92	94	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/1/2010	1,010	--	--	111	No
200-E-115	C7680	B26C36	92	94	non-Rad	Cadmium	7440-43-9	ug/kg	9/1/2010	58	--	--	6.7	No
200-E-115	C7680	B26C36	92	94	non-Rad	Cobalt	7440-48-4	ug/kg	9/1/2010	6,650	--	--	45	No
200-E-115	C7680	B26C36	92	94	non-Rad	Copper	7440-50-8	ug/kg	9/1/2010	10,000	--	--	22	No
200-E-115	C7680	B26C36	92	94	non-Rad	Fluoride	16984-48-8	ug/kg	9/1/2010	733	--	--	150	No
200-E-115	C7680	B26C36	92	94	non-Rad	Iron	7439-89-6	ug/kg	9/1/2010	1.78E+07	--	--	25	No
200-E-115	C7680	B26C36	92	94	non-Rad	Lithium	7439-93-2	ug/kg	9/1/2010	10,500	--	--	300	No
200-E-115	C7680	B26C36	92	94	non-Rad	Manganese	7439-96-5	ug/kg	9/1/2010	332,000	--	--	65	No
200-E-115	C7680	B26C36	92	94	non-Rad	Nickel	7440-02-0	ug/kg	9/1/2010	18,200	--	--	65	No
200-E-115	C7680	B26C36	92	94	non-Rad	Nitrate	14797-55-8	ug/kg	9/1/2010	6,020	--	--	0	Yes
200-E-115	C7680	B26C36	92	94	non-Rad	Nitrite	14797-65-0	ug/kg	9/1/2010	712	--	--	0	Yes
200-E-115	C7680	B26C36	92	94	non-Rad	Selenium	7782-49-2	ug/kg	9/1/2010	345	--	--	5.0	No
200-E-115	C7680	B26C36	92	94	non-Rad	Silver	7440-22-4	ug/kg	9/1/2010	46	--	--	8.3	No
200-E-115	C7680	B26C36	92	94	non-Rad	Strontium	7440-24-6	ug/kg	9/1/2010	37,700	--	--	35	No
200-E-115	C7680	B26C36	92	94	non-Rad	Thallium	7440-28-0	ug/kg	9/1/2010	62	--	--	71	No
200-E-115	C7680	B26C36	92	94	non-Rad	Vanadium	7440-62-2	ug/kg	9/1/2010	35,600	--	--	1,000	No
200-E-115	C7680	B26C36	92	94	non-Rad	Zinc	7440-66-6	ug/kg	9/1/2010	38,600	--	--	62	No
200-E-115	C7680	B26C36	92	94	non-Rad	Zirconium	7440-67-7	ug/kg	9/1/2010	7,280	--	--	3,000	No
200-E-115	C7680	B26C35	43	45	non-Rad	Styrene	100-42-5	ug/kg	8/31/2010	0.34	--	--	0.91	Yes
200-E-115	C7680	B26C35	43	45	non-Rad	Toluene	108-88-3	ug/kg	8/31/2010	0.37	--	--	0.14	Yes
200-E-115	C7680	B26C34	43	45	non-Rad	Aluminum	7429-90-5	ug/kg	8/31/2010	7.52E+06	--	--	1,500	No
200-E-115	C7680	B26C34	43	45	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/31/2010	220	--	--	0.0041	Yes
200-E-115	C7680	B26C34	43	45	non-Rad	Antimony	7440-36-0	ug/kg	8/31/2010	124	--	--	45	No
200-E-115	C7680	B26C34	43	45	non-Rad	Arsenic	7440-38-2	ug/kg	8/31/2010	2,850	--	--	29	No
200-E-115	C7680	B26C34	43	45	non-Rad	Barium	7440-39-3	ug/kg	8/31/2010	62,400	--	--	41	No
200-E-115	C7680	B26C34	43	45	non-Rad	Beryllium	7440-41-7	ug/kg	8/31/2010	171	--	--	790	No
200-E-115	C7680	B26C34	43	45	non-Rad	Cadmium	7440-43-9	ug/kg	8/31/2010	64	--	--	6.7	No
200-E-115	C7680	B26C34	43	45	non-Rad	Cobalt	7440-48-4	ug/kg	8/31/2010	7,230	--	--	45	No
200-E-115	C7680	B26C34	43	45	non-Rad	Copper	7440-50-8	ug/kg	8/31/2010	12,300	--	--	22	No
200-E-115	C7680	B26C34	43	45	non-Rad	Fluoride	16984-48-8	ug/kg	8/31/2010	908	--	--	150	No
200-E-115	C7680	B26C34	43	45	non-Rad	Iron	7439-89-6	ug/kg	8/31/2010	1.91E+07	--	--	25	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
200-E-115	C7680	B26C34	43	45	non-Rad	Lithium	7439-93-2	ug/kg	8/31/2010	8,380	--	--	300	No
200-E-115	C7680	B26C34	43	45	non-Rad	Manganese	7439-96-5	ug/kg	8/31/2010	298,000	--	--	65	No
200-E-115	C7680	B26C34	43	45	non-Rad	Nickel	7440-02-0	ug/kg	8/31/2010	18,000	--	--	65	No
200-E-115	C7680	B26C34	43	45	non-Rad	Nitrate	14797-55-8	ug/kg	8/31/2010	9,550	--	--	0	Yes
200-E-115	C7680	B26C34	43	45	non-Rad	Nitrite	14797-65-0	ug/kg	8/31/2010	715	--	--	0	Yes
200-E-115	C7680	B26C34	43	45	non-Rad	Selenium	7782-49-2	ug/kg	8/31/2010	467	--	--	5.0	No
200-E-115	C7680	B26C34	43	45	non-Rad	Silver	7440-22-4	ug/kg	8/31/2010	53	--	--	8.3	No
200-E-115	C7680	B26C34	43	45	non-Rad	Strontium	7440-24-6	ug/kg	8/31/2010	33,700	--	--	35	No
200-E-115	C7680	B26C34	43	45	non-Rad	Thallium	7440-28-0	ug/kg	8/31/2010	70	--	--	71	No
200-E-115	C7680	B26C34	43	45	non-Rad	Vanadium	7440-62-2	ug/kg	8/31/2010	43,100	--	--	1,000	No
200-E-115	C7680	B26C34	43	45	non-Rad	Zinc	7440-66-6	ug/kg	8/31/2010	35,800	--	--	62	No
200-E-115	C7680	B26C34	43	45	non-Rad	Zirconium	7440-67-7	ug/kg	8/31/2010	10,900	--	--	3,000	No
200-E-115	C7680	B26C33	17	19	non-Rad	Styrene	100-42-5	ug/kg	8/29/2010	0.35	--	--	0.91	Yes
200-E-115	C7680	B26C33	17	19	non-Rad	Toluene	108-88-3	ug/kg	8/29/2010	0.42	--	--	0.14	Yes
200-E-115	C7680	B26C32	17	19	non-Rad	Aluminum	7429-90-5	ug/kg	8/29/2010	7.31E+06	--	--	1,500	No
200-E-115	C7680	B26C32	17	19	non-Rad	Antimony	7440-36-0	ug/kg	8/29/2010	125	--	--	45	No
200-E-115	C7680	B26C32	17	19	non-Rad	Arsenic	7440-38-2	ug/kg	8/29/2010	2,900	--	--	29	No
200-E-115	C7680	B26C32	17	19	non-Rad	Barium	7440-39-3	ug/kg	8/29/2010	84,800	--	--	41	No
200-E-115	C7680	B26C32	17	19	non-Rad	Beryllium	7440-41-7	ug/kg	8/29/2010	161	--	--	790	No
200-E-115	C7680	B26C32	17	19	non-Rad	Cadmium	7440-43-9	ug/kg	8/29/2010	61	--	--	6.7	No
200-E-115	C7680	B26C32	17	19	non-Rad	Cobalt	7440-48-4	ug/kg	8/29/2010	10,600	--	--	45	No
200-E-115	C7680	B26C32	17	19	non-Rad	Copper	7440-50-8	ug/kg	8/29/2010	10,600	--	--	22	No
200-E-115	C7680	B26C32	17	19	non-Rad	Fluoride	16984-48-8	ug/kg	8/29/2010	1,860	--	--	150	No
200-E-115	C7680	B26C32	17	19	non-Rad	Iron	7439-89-6	ug/kg	8/29/2010	2.49E+07	--	--	25	No
200-E-115	C7680	B26C32	17	19	non-Rad	Lithium	7439-93-2	ug/kg	8/29/2010	7,290	--	--	300	No
200-E-115	C7680	B26C32	17	19	non-Rad	Manganese	7439-96-5	ug/kg	8/29/2010	409,000	--	--	65	No
200-E-115	C7680	B26C32	17	19	non-Rad	Nickel	7440-02-0	ug/kg	8/29/2010	14,600	--	--	65	No
200-E-115	C7680	B26C32	17	19	non-Rad	Nitrate	14797-55-8	ug/kg	8/29/2010	7,060	--	--	0	Yes
200-E-115	C7680	B26C32	17	19	non-Rad	Nitrite	14797-65-0	ug/kg	8/29/2010	684	--	--	0	Yes
200-E-115	C7680	B26C32	17	19	non-Rad	Selenium	7782-49-2	ug/kg	8/29/2010	540	--	--	5.0	No
200-E-115	C7680	B26C32	17	19	Rad	Selenium-79	15758-45-9	pCi/g	8/29/2010	6.2	--	--	5.0	No
200-E-115	C7680	B26C32	17	19	non-Rad	Silver	7440-22-4	ug/kg	8/29/2010	57	--	--	8.3	No
200-E-115	C7680	B26C32	17	19	non-Rad	Strontium	7440-24-6	ug/kg	8/29/2010	35,900	--	--	35	No
200-E-115	C7680	B26C32	17	19	non-Rad	Thallium	7440-28-0	ug/kg	8/29/2010	82	--	--	71	No
200-E-115	C7680	B26C32	17	19	non-Rad	Vanadium	7440-62-2	ug/kg	8/29/2010	71,200	--	--	1,000	No
200-E-115	C7680	B26C32	17	19	non-Rad	Zinc	7440-66-6	ug/kg	8/29/2010	42,000	--	--	62	No
200-E-115	C7680	B26C32	17	19	non-Rad	Zirconium	7440-67-7	ug/kg	8/29/2010	15,700	--	--	3,000	No
200-E-115	C7680	B26C31	14	16	non-Rad	Styrene	100-42-5	ug/kg	8/29/2010	0.27	--	--	0.91	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
200-E-115	C7680	B26C31	14	16	non-Rad	Toluene	108-88-3	ug/kg	8/29/2010	0.60	--	--	0.14	Yes
200-E-115	C7680	B26C30	14	16	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/29/2010	5.10E-04	--	--	128	No
200-E-115	C7680	B26C30	14	16	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/29/2010	260	--	--	0.0041	Yes
200-E-115	C7680	B26C30	14	16	non-Rad	Chromium	7440-47-3	ug/kg	8/29/2010	26,800	18,500	Yes	1,000	No
200-E-115	C7680	B26C30	14	16	non-Rad	Nitrite	14797-65-0	ug/kg	8/29/2010	1,120	--	--	0	Yes
200-E-115	C7680	B26C30	14	16	non-Rad	Strontium	7440-24-6	ug/kg	8/29/2010	35,100	--	--	35	No
200-E-115	C7680	B26C30	14	16	non-Rad	Zirconium	7440-67-7	ug/kg	8/29/2010	18,700	--	--	3,000	No
200-E-115	C7680	B26C28	10	12	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/29/2010	230	--	--	0.0041	Yes
200-E-115	C7680	B26C28	10	12	non-Rad	Nitrite	14797-65-0	ug/kg	8/29/2010	613	--	--	0	Yes
200-E-115	C7680	B26C28	10	12	non-Rad	Selenium	7782-49-2	ug/kg	8/29/2010	965	780	Yes	5.0	No
200-E-115	C7680	B26C28	10	12	Rad	Selenium-79	15758-45-9	pCi/g	8/29/2010	2.6	--	--	5.0	No
200-E-115	C7680	B26C28	10	12	non-Rad	Strontium	7440-24-6	ug/kg	8/29/2010	20,200	--	--	35	No
200-E-115	C7680	B26C28	10	12	non-Rad	Zirconium	7440-67-7	ug/kg	8/29/2010	19,300	--	--	3,000	No
200-E-115	C7680	B26C27	5.0	7.0	non-Rad	Styrene	100-42-5	ug/kg	8/27/2010	0.33	--	--	0.91	Yes
200-E-115	C7680	B26C27	5.0	7.0	non-Rad	Toluene	108-88-3	ug/kg	8/27/2010	0.39	--	--	0.14	Yes
200-E-115	C7680	B26C26	5.0	7.0	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/27/2010	5.00E-04	--	--	128	No
200-E-115	C7680	B26C26	5.0	7.0	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/27/2010	210	--	--	0.0041	Yes
200-E-115	C7680	B26C26	5.0	7.0	non-Rad	Antimony	7440-36-0	ug/kg	8/27/2010	202	130	Yes	45	No
200-E-115	C7680	B26C26	5.0	7.0	non-Rad	Nitrite	14797-65-0	ug/kg	8/27/2010	736	--	--	0	Yes
200-E-115	C7680	B26C26	5.0	7.0	Rad	Selenium-79	15758-45-9	pCi/g	8/27/2010	2.2	--	--	5.0	No
200-E-115	C7680	B26C26	5.0	7.0	non-Rad	Strontium	7440-24-6	ug/kg	8/27/2010	23,700	--	--	35	No
200-E-115	C7680	B26C26	5.0	7.0	non-Rad	Zirconium	7440-67-7	ug/kg	8/27/2010	14,300	--	--	3,000	No
200-E-115	C7682	B26JM0	0	1.0	non-Rad	Styrene	100-42-5	ug/kg	8/17/2010	0.43	--	--	0.91	Yes
200-E-115	C7682	B26JM0	0	1.0	non-Rad	Toluene	108-88-3	ug/kg	8/17/2010	0.39	--	--	0.14	Yes
200-E-115	C7682	B26JL1	0	1.0	non-Rad	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/17/2010	0.0012	--	--	131	No
200-E-115	C7682	B26JL1	0	1.0	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/17/2010	0.0032	--	--	128	No
200-E-115	C7682	B26JL1	0	1.0	non-Rad	Antimony	7440-36-0	ug/kg	8/17/2010	218	130	Yes	45	No
200-E-115	C7682	B26JL1	0	1.0	non-Rad	Nitrate	14797-55-8	ug/kg	8/17/2010	54,600	52,000	Yes	0	Yes
200-E-115	C7682	B26JL1	0	1.0	non-Rad	Nitrite	14797-65-0	ug/kg	8/17/2010	1,210	--	--	0	Yes
200-E-115	C7682	B26JL1	0	1.0	non-Rad	Selenium	7782-49-2	ug/kg	8/17/2010	1,000	780	Yes	5.0	No
200-E-115	C7682	B26JL1	0	1.0	non-Rad	Strontium	7440-24-6	ug/kg	8/17/2010	30,500	--	--	35	No
200-E-115	C7682	B26JL1	0	1.0	Rad	Tritium	10028-17-8	pCi/g	8/17/2010	1.7	--	--	0	Yes
200-E-115	C7682	B26JL0	0	1.0	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/17/2010	230	--	--	0.0041	Yes
200-E-115	C7682	B26JL0	0	1.0	non-Rad	Zirconium	7440-67-7	ug/kg	8/17/2010	9,310	--	--	3,000	No
200-E-115	C7682	B26C61	122	124	non-Rad	Aluminum	7429-90-5	ug/kg	8/25/2010	5.55E+06	--	--	1,500	No
200-E-115	C7682	B26C61	122	124	non-Rad	Antimony	7440-36-0	ug/kg	8/25/2010	181	--	--	45	No
200-E-115	C7682	B26C61	122	124	non-Rad	Arsenic	7440-38-2	ug/kg	8/25/2010	3,000	--	--	29	No
200-E-115	C7682	B26C61	122	124	non-Rad	Barium	7440-39-3	ug/kg	8/25/2010	61,100	--	--	41	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
200-E-115	C7682	B26C61	122	124	non-Rad	Beryllium	7440-41-7	ug/kg	8/25/2010	148	--	--	790	No
200-E-115	C7682	B26C61	122	124	non-Rad	Cadmium	7440-43-9	ug/kg	8/25/2010	116	--	--	6.7	No
200-E-115	C7682	B26C61	122	124	non-Rad	Cobalt	7440-48-4	ug/kg	8/25/2010	4,500	--	--	45	No
200-E-115	C7682	B26C61	122	124	non-Rad	Copper	7440-50-8	ug/kg	8/25/2010	9,330	--	--	22	No
200-E-115	C7682	B26C61	122	124	non-Rad	Fluoride	16984-48-8	ug/kg	8/25/2010	825	--	--	150	No
200-E-115	C7682	B26C61	122	124	non-Rad	Iron	7439-89-6	ug/kg	8/25/2010	1.42E+07	--	--	25	No
200-E-115	C7682	B26C61	122	124	non-Rad	Lithium	7439-93-2	ug/kg	8/25/2010	8,630	--	--	300	No
200-E-115	C7682	B26C61	122	124	non-Rad	Manganese	7439-96-5	ug/kg	8/25/2010	251,000	--	--	65	No
200-E-115	C7682	B26C61	122	124	non-Rad	Nickel	7440-02-0	ug/kg	8/25/2010	12,100	--	--	65	No
200-E-115	C7682	B26C61	122	124	non-Rad	Nitrate	14797-55-8	ug/kg	8/25/2010	5,850	--	--	0	Yes
200-E-115	C7682	B26C61	122	124	non-Rad	Nitrite	14797-65-0	ug/kg	8/25/2010	276	--	--	0	Yes
200-E-115	C7682	B26C61	122	124	non-Rad	Selenium	7782-49-2	ug/kg	8/25/2010	1,000	--	--	5.0	No
200-E-115	C7682	B26C61	122	124	non-Rad	Strontium	7440-24-6	ug/kg	8/25/2010	29,300	--	--	35	No
200-E-115	C7682	B26C61	122	124	non-Rad	Thallium	7440-28-0	ug/kg	8/25/2010	134	--	--	71	No
200-E-115	C7682	B26C61	122	124	non-Rad	Vanadium	7440-62-2	ug/kg	8/25/2010	25,600	--	--	1,000	No
200-E-115	C7682	B26C61	122	124	non-Rad	Zinc	7440-66-6	ug/kg	8/25/2010	30,900	--	--	62	No
200-E-115	C7682	B26C61	122	124	non-Rad	Zirconium	7440-67-7	ug/kg	8/25/2010	6,380	--	--	3,000	No
200-E-115	C7682	B26C60	88	90	non-Rad	Styrene	100-42-5	ug/kg	8/24/2010	0.42	--	--	0.91	Yes
200-E-115	C7682	B26C60	88	90	non-Rad	Toluene	108-88-3	ug/kg	8/24/2010	0.44	--	--	0.14	Yes
200-E-115	C7682	B26C59	88	90	non-Rad	Aluminum	7429-90-5	ug/kg	8/24/2010	6.36E+06	--	--	1,500	No
200-E-115	C7682	B26C59	88	90	non-Rad	Antimony	7440-36-0	ug/kg	8/24/2010	170	--	--	45	No
200-E-115	C7682	B26C59	88	90	non-Rad	Arsenic	7440-38-2	ug/kg	8/24/2010	4,000	--	--	29	No
200-E-115	C7682	B26C59	88	90	non-Rad	Barium	7440-39-3	ug/kg	8/24/2010	64,300	--	--	41	No
200-E-115	C7682	B26C59	88	90	non-Rad	Beryllium	7440-41-7	ug/kg	8/24/2010	160	--	--	790	No
200-E-115	C7682	B26C59	88	90	non-Rad	Cobalt	7440-48-4	ug/kg	8/24/2010	5,430	--	--	45	No
200-E-115	C7682	B26C59	88	90	non-Rad	Copper	7440-50-8	ug/kg	8/24/2010	10,100	--	--	22	No
200-E-115	C7682	B26C59	88	90	non-Rad	Fluoride	16984-48-8	ug/kg	8/24/2010	739	--	--	150	No
200-E-115	C7682	B26C59	88	90	non-Rad	Iron	7439-89-6	ug/kg	8/24/2010	1.41E+07	--	--	25	No
200-E-115	C7682	B26C59	88	90	non-Rad	Lithium	7439-93-2	ug/kg	8/24/2010	9,710	--	--	300	No
200-E-115	C7682	B26C59	88	90	non-Rad	Manganese	7439-96-5	ug/kg	8/24/2010	283,000	--	--	65	No
200-E-115	C7682	B26C59	88	90	non-Rad	Nickel	7440-02-0	ug/kg	8/24/2010	18,200	--	--	65	No
200-E-115	C7682	B26C59	88	90	non-Rad	Nitrate	14797-55-8	ug/kg	8/24/2010	19,200	--	--	0	Yes
200-E-115	C7682	B26C59	88	90	non-Rad	Nitrite	14797-65-0	ug/kg	8/24/2010	1,240	--	--	0	Yes
200-E-115	C7682	B26C59	88	90	non-Rad	Selenium	7782-49-2	ug/kg	8/24/2010	1,000	--	--	5.0	No
200-E-115	C7682	B26C59	88	90	non-Rad	Strontium	7440-24-6	ug/kg	8/24/2010	34,000	--	--	35	No
200-E-115	C7682	B26C59	88	90	Rad	Tritium	10028-17-8	pCi/g	8/24/2010	1.6	--	--	0	Yes
200-E-115	C7682	B26C59	88	90	non-Rad	Vanadium	7440-62-2	ug/kg	8/24/2010	25,800	--	--	1,000	No
200-E-115	C7682	B26C59	88	90	non-Rad	Zinc	7440-66-6	ug/kg	8/24/2010	33,000	--	--	62	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
200-E-115	C7682	B26C59	88	90	non-Rad	Zirconium	7440-67-7	ug/kg	8/24/2010	5,240	--	--	3,000	No
200-E-115	C7682	B26C58	45	47	non-Rad	Styrene	100-42-5	ug/kg	8/23/2010	0.34	--	--	0.91	Yes
200-E-115	C7682	B26C58	45	47	non-Rad	Toluene	108-88-3	ug/kg	8/23/2010	0.50	--	--	0.14	Yes
200-E-115	C7682	B26C57	45	47	non-Rad	Aluminum	7429-90-5	ug/kg	8/23/2010	6.96E+06	--	--	1,500	No
200-E-115	C7682	B26C57	45	47	non-Rad	Antimony	7440-36-0	ug/kg	8/23/2010	115	--	--	45	No
200-E-115	C7682	B26C57	45	47	non-Rad	Arsenic	7440-38-2	ug/kg	8/23/2010	4,000	--	--	29	No
200-E-115	C7682	B26C57	45	47	non-Rad	Barium	7440-39-3	ug/kg	8/23/2010	72,800	--	--	41	No
200-E-115	C7682	B26C57	45	47	non-Rad	Beryllium	7440-41-7	ug/kg	8/23/2010	193	--	--	790	No
200-E-115	C7682	B26C57	45	47	non-Rad	Cadmium	7440-43-9	ug/kg	8/23/2010	108	--	--	6.7	No
200-E-115	C7682	B26C57	45	47	non-Rad	Cobalt	7440-48-4	ug/kg	8/23/2010	7,340	--	--	45	No
200-E-115	C7682	B26C57	45	47	non-Rad	Copper	7440-50-8	ug/kg	8/23/2010	11,900	--	--	22	No
200-E-115	C7682	B26C57	45	47	non-Rad	Fluoride	16984-48-8	ug/kg	8/23/2010	1,560	--	--	150	No
200-E-115	C7682	B26C57	45	47	non-Rad	Iron	7439-89-6	ug/kg	8/23/2010	1.59E+07	--	--	25	No
200-E-115	C7682	B26C57	45	47	non-Rad	Lithium	7439-93-2	ug/kg	8/23/2010	8,720	--	--	300	No
200-E-115	C7682	B26C57	45	47	non-Rad	Manganese	7439-96-5	ug/kg	8/23/2010	320,000	--	--	65	No
200-E-115	C7682	B26C57	45	47	non-Rad	Nickel	7440-02-0	ug/kg	8/23/2010	16,400	--	--	65	No
200-E-115	C7682	B26C57	45	47	non-Rad	Nitrate	14797-55-8	ug/kg	8/23/2010	9,340	--	--	0	Yes
200-E-115	C7682	B26C57	45	47	non-Rad	Nitrite	14797-65-0	ug/kg	8/23/2010	842	--	--	0	Yes
200-E-115	C7682	B26C57	45	47	non-Rad	Selenium	7782-49-2	ug/kg	8/23/2010	1,000	--	--	5.0	No
200-E-115	C7682	B26C57	45	47	non-Rad	Strontium	7440-24-6	ug/kg	8/23/2010	34,500	--	--	35	No
200-E-115	C7682	B26C57	45	47	non-Rad	Thallium	7440-28-0	ug/kg	8/23/2010	140	--	--	71	No
200-E-115	C7682	B26C57	45	47	non-Rad	Vanadium	7440-62-2	ug/kg	8/23/2010	31,000	--	--	1,000	No
200-E-115	C7682	B26C57	45	47	non-Rad	Zinc	7440-66-6	ug/kg	8/23/2010	33,300	--	--	62	No
200-E-115	C7682	B26C57	45	47	non-Rad	Zirconium	7440-67-7	ug/kg	8/23/2010	9,260	--	--	3,000	No
200-E-115	C7682	B26C56	18	20	non-Rad	Toluene	108-88-3	ug/kg	8/19/2010	0.39	--	--	0.14	Yes
200-E-115	C7682	B26C55	18	20	non-Rad	Aluminum	7429-90-5	ug/kg	8/19/2010	6.24E+06	--	--	1,500	No
200-E-115	C7682	B26C55	18	20	non-Rad	Antimony	7440-36-0	ug/kg	8/19/2010	126	--	--	45	No
200-E-115	C7682	B26C55	18	20	non-Rad	Arsenic	7440-38-2	ug/kg	8/19/2010	3,000	--	--	29	No
200-E-115	C7682	B26C55	18	20	non-Rad	Barium	7440-39-3	ug/kg	8/19/2010	78,600	--	--	41	No
200-E-115	C7682	B26C55	18	20	non-Rad	Beryllium	7440-41-7	ug/kg	8/19/2010	190	--	--	790	No
200-E-115	C7682	B26C55	18	20	non-Rad	Cadmium	7440-43-9	ug/kg	8/19/2010	137	--	--	6.7	No
200-E-115	C7682	B26C55	18	20	non-Rad	Cobalt	7440-48-4	ug/kg	8/19/2010	8,580	--	--	45	No
200-E-115	C7682	B26C55	18	20	non-Rad	Copper	7440-50-8	ug/kg	8/19/2010	10,800	--	--	22	No
200-E-115	C7682	B26C55	18	20	non-Rad	Fluoride	16984-48-8	ug/kg	8/19/2010	828	--	--	150	No
200-E-115	C7682	B26C55	18	20	non-Rad	Iron	7439-89-6	ug/kg	8/19/2010	1.68E+07	--	--	25	No
200-E-115	C7682	B26C55	18	20	non-Rad	Lithium	7439-93-2	ug/kg	8/19/2010	7,180	--	--	300	No
200-E-115	C7682	B26C55	18	20	non-Rad	Manganese	7439-96-5	ug/kg	8/19/2010	354,000	--	--	65	No
200-E-115	C7682	B26C55	18	20	non-Rad	Nickel	7440-02-0	ug/kg	8/19/2010	13,700	--	--	65	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
200-E-115	C7682	B26C55	18	20	non-Rad	Nitrate	14797-55-8	ug/kg	8/19/2010	16,900	--	--	0	Yes
200-E-115	C7682	B26C55	18	20	non-Rad	Selenium	7782-49-2	ug/kg	8/19/2010	1,000	--	--	5.0	No
200-E-115	C7682	B26C55	18	20	non-Rad	Strontium	7440-24-6	ug/kg	8/19/2010	31,900	--	--	35	No
200-E-115	C7682	B26C55	18	20	non-Rad	Thallium	7440-28-0	ug/kg	8/19/2010	189	--	--	71	No
200-E-115	C7682	B26C55	18	20	non-Rad	Vanadium	7440-62-2	ug/kg	8/19/2010	34,400	--	--	1,000	No
200-E-115	C7682	B26C55	18	20	non-Rad	Zinc	7440-66-6	ug/kg	8/19/2010	32,200	--	--	62	No
200-E-115	C7682	B26C55	18	20	non-Rad	Zirconium	7440-67-7	ug/kg	8/19/2010	10,700	--	--	3,000	No
200-E-115	C7682	B26C54	14	16	non-Rad	Styrene	100-42-5	ug/kg	8/19/2010	0.46	--	--	0.91	Yes
200-E-115	C7682	B26C54	14	16	non-Rad	Toluene	108-88-3	ug/kg	8/19/2010	1.1	--	--	0.14	Yes
200-E-115	C7682	B26C53	14	16	non-Rad	Butylbenzylphthalate	85-68-7	ug/kg	8/19/2010	200	--	--	14	No
200-E-115	C7682	B26C53	14	16	non-Rad	Molybdenum	7439-98-7	ug/kg	8/19/2010	2,000	470	Yes	20	No
200-E-115	C7682	B26C53	14	16	non-Rad	Nitrite	14797-65-0	ug/kg	8/19/2010	1,340	--	--	0	Yes
200-E-115	C7682	B26C53	14	16	non-Rad	Selenium	7782-49-2	ug/kg	8/19/2010	1,000	780	Yes	5.0	No
200-E-115	C7682	B26C53	14	16	non-Rad	Strontium	7440-24-6	ug/kg	8/19/2010	37,700	--	--	35	No
200-E-115	C7682	B26C53	14	16	Rad	Tritium	10028-17-8	pCi/g	8/19/2010	3.0	--	--	0	Yes
200-E-115	C7682	B26C53	14	16	non-Rad	Zirconium	7440-67-7	ug/kg	8/19/2010	11,900	--	--	3,000	No
200-E-115	C7682	B26C51	12	14	non-Rad	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	8/18/2010	4.80E-04	--	--	131	No
200-E-115	C7682	B26C51	12	14	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/18/2010	9.00E-04	--	--	128	No
200-E-115	C7682	B26C51	12	14	non-Rad	Molybdenum	7439-98-7	ug/kg	8/18/2010	1,980	470	Yes	20	No
200-E-115	C7682	B26C51	12	14	non-Rad	Nitrite	14797-65-0	ug/kg	8/18/2010	1,850	--	--	0	Yes
200-E-115	C7682	B26C51	12	14	non-Rad	Selenium	7782-49-2	ug/kg	8/18/2010	1,000	780	Yes	5.0	No
200-E-115	C7682	B26C51	12	14	non-Rad	Strontium	7440-24-6	ug/kg	8/18/2010	31,100	--	--	35	No
200-E-115	C7682	B26C51	12	14	non-Rad	Thallium	7440-28-0	ug/kg	8/18/2010	194	185	Yes	71	No
200-E-115	C7682	B26C51	12	14	Rad	Tritium	10028-17-8	pCi/g	8/18/2010	1.7	--	--	0	Yes
200-E-115	C7682	B26C51	12	14	non-Rad	Zirconium	7440-67-7	ug/kg	8/18/2010	5,790	--	--	3,000	No
200-E-115	C7682	B26C50	10	12	non-Rad	Styrene	100-42-5	ug/kg	8/18/2010	0.36	--	--	0.91	Yes
200-E-115	C7682	B26C50	10	12	non-Rad	Toluene	108-88-3	ug/kg	8/18/2010	0.35	--	--	0.14	Yes
200-E-115	C7682	B26C48	5.0	7.0	non-Rad	Styrene	100-42-5	ug/kg	8/18/2010	0.33	--	--	0.91	Yes
200-E-115	C7682	B26C48	5.0	7.0	non-Rad	Toluene	108-88-3	ug/kg	8/18/2010	0.31	--	--	0.14	Yes
200-E-115	C7682	B26C47	5.0	7.0	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	8/18/2010	6.00E-04	--	--	128	No
200-E-115	C7682	B26C47	5.0	7.0	non-Rad	Antimony	7440-36-0	ug/kg	8/18/2010	420	130	Yes	45	No
200-E-115	C7682	B26C47	5.0	7.0	Rad	Carbon-14	14762-75-5	pCi/g	8/18/2010	3.5	--	--	0	Yes
200-E-115	C7682	B26C47	5.0	7.0	non-Rad	Lead	7439-92-1	ug/kg	8/18/2010	11,300	10,200	Yes	10,000	No
200-E-115	C7682	B26C47	5.0	7.0	non-Rad	Selenium	7782-49-2	ug/kg	8/18/2010	1,000	780	Yes	5.0	No
200-E-115	C7682	B26C47	5.0	7.0	non-Rad	Strontium	7440-24-6	ug/kg	8/18/2010	21,500	--	--	35	No
200-E-115	C7682	B26C47	5.0	7.0	non-Rad	Zirconium	7440-67-7	ug/kg	8/18/2010	8,820	--	--	3,000	No
200-W-54	299-W22-84	B139D1	0	6.0	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/19/2001	490	--	--	0	Yes
200-W-54	299-W22-84	B139D1	0	6.0	non-Rad	Methylene chloride	75-09-2	ug/kg	10/19/2001	11	--	--	0.010	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
200-W-54	299-W22-84	B139D1	0	6.0	non-Rad	Molybdenum	7439-98-7	ug/kg	10/19/2001	530	470	Yes	20	No
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Aluminum	7429-90-5	ug/kg	10/19/2001	7.03E+06	--	--	1,500	No
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Copper	7440-50-8	ug/kg	10/19/2001	12,000	--	--	22	No
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/19/2001	1,500	--	--	0	Yes
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Iron	7439-89-6	ug/kg	10/19/2001	1.86E+07	--	--	25	No
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Manganese	7439-96-5	ug/kg	10/19/2001	234,000	--	--	65	No
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Methylene chloride	75-09-2	ug/kg	10/19/2001	12	--	--	0.010	Yes
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Molybdenum	7439-98-7	ug/kg	10/19/2001	3,100	--	--	20	No
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Tin	7440-31-5	ug/kg	10/19/2001	3,700	--	--	250	No
200-W-54	299-W22-84	B139C3	0	6.0	non-Rad	Acetone	67-64-1	ug/kg	10/19/2001	44	--	--	5.75E-04	Yes
200-W-54	299-W22-84	B139C3	0	6.0	non-Rad	Tin	7440-31-5	ug/kg	10/19/2001	1,900	--	--	250	No
200-W-54	299-W22-90	B2L7W6	237	242	non-Rad	Aluminum	7429-90-5	ug/kg	6/26/2012	9.14E+06	--	--	1,500	No
200-W-54	299-W22-90	B2L7W6	237	242	non-Rad	Arsenic	7440-38-2	ug/kg	6/26/2012	1,160	--	--	29	No
200-W-54	299-W22-90	B2L7W6	237	242	non-Rad	Barium	7440-39-3	ug/kg	6/26/2012	97,700	--	--	41	No
200-W-54	299-W22-90	B2L7W6	237	242	non-Rad	Boron	7440-42-8	ug/kg	6/26/2012	929	--	--	3.0	No
200-W-54	299-W22-90	B2L7W6	237	242	non-Rad	Manganese	7439-96-5	ug/kg	6/26/2012	346,000	--	--	65	No
200-W-54	299-W22-90	B2L7W6	237	242	Rad	Plutonium-238	13981-16-3	pCi/g	6/26/2012	0.017	--	--	200	No
200-W-54	299-W22-90	B2L7W6	237	242	Rad	Technetium-99	14133-76-7	pCi/g	6/26/2012	1.1	--	--	0	Yes
207-A-South	C4113	B17HT2	13	14	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/10/2003	530	--	--	0	Yes
207-A-South	C4113	B17HT1	6.0	7.0	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	1,100	--	--	0	Yes
207-A-South	C4113	B17HT0	2.0	3.0	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	5,100	--	--	0	Yes
207-A-South	C4113	B17HT0	2.0	3.0	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.30	0.18	Yes	25	No
207-A-South	C4113	B17HT0	2.0	3.0	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	0.33	--	--	0	Yes
207-A-South	C4113	B17HR9	1.0	2.0	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	1,000	--	--	0	Yes
207-A-South	C4113	B17HR9	1.0	2.0	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.46	0.18	Yes	25	No
207-A-South	C4113	B17HR9	1.0	2.0	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	0.15	--	--	0	Yes
207-A-South	C4113	B17HR8	13	14	non-Rad	Diethylphthalate	84-66-2	ug/kg	9/10/2003	260	--	--	0.082	Yes
207-A-South	C4113	B17HR8	13	14	non-Rad	Silver	7440-22-4	ug/kg	9/10/2003	2,040	167	Yes	8.3	No
207-A-South	C4114	B17HY3	13	14	Rad	Americium-241	14596-10-2	pCi/g	9/10/2003	0.025	--	--	200	No
207-A-South	C4114	B17HY3	13	14	non-Rad	Diethylphthalate	84-66-2	ug/kg	9/10/2003	210	--	--	0.082	Yes
207-A-South	C4114	B17HX7	13	14	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/10/2003	2,400	--	--	0	Yes
207-A-South	C4114	B17HX7	13	14	Rad	Tritium	10028-17-8	pCi/g	9/10/2003	2.0	--	--	0	Yes
207-A-South	C4114	B17HX6	6.0	7.0	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/4/2003	4,500	--	--	0	Yes
207-A-South	C4114	B17HX6	6.0	7.0	Rad	Tritium	10028-17-8	pCi/g	9/4/2003	2.3	--	--	0	Yes
207-A-South	C4114	B17HX5	2.0	3.0	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	20,900	--	--	0	Yes
207-A-South	C4114	B17HX5	2.0	3.0	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.90	0.18	Yes	25	No
207-A-South	C4114	B17HX5	2.0	3.0	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	4.9	--	--	0	Yes
207-A-South	C4114	B17HX4	1.0	2.0	non-Rad	P(2-(2,4,5-Trichlorophenoxy)propionic ac	93-72-1	ug/kg	9/3/2003	3.3	--	--	0.18	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
207-A-South	C4114	B17HX4	1.0	2.0	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	8,900	--	--	0	Yes
207-A-South	C4114	B17HX4	1.0	2.0	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.94	0.18	Yes	25	No
207-A-South	C4114	B17HX4	1.0	2.0	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	2.5	--	--	0	Yes
207-A-South	C4115	B17HY9	13	14	Rad	Americium-241	14596-10-2	pCi/g	9/10/2003	0.019	--	--	200	No
207-A-South	C4115	B17HY5	13	14	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/10/2003	2,300	--	--	0	Yes
207-A-South	C4115	B17HY5	13	14	Rad	Tritium	10028-17-8	pCi/g	9/10/2003	2.4	--	--	0	Yes
207-A-South	C4115	B17HY4	6.0	7.0	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/4/2003	13,200	--	--	0	Yes
207-A-South	C4115	B17HY4	6.0	7.0	Rad	Tritium	10028-17-8	pCi/g	9/4/2003	6.6	--	--	0	Yes
207-A-South	C4115	B17HX9	2.0	3.0	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	920	--	--	0	Yes
207-A-South	C4115	B17HX9	2.0	3.0	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.80	0.18	Yes	25	No
207-A-South	C4115	B17HX8	1.0	2.0	non-Rad	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	9/3/2003	7.1	--	--	0.030	Yes
207-A-South	C4115	B17HX8	1.0	2.0	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	1,600	--	--	0	Yes
207-A-South	C4115	B17HX8	1.0	2.0	Rad	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.82	0.18	Yes	25	No
207-A-South	C4115	B17HX8	1.0	2.0	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	0.12	--	--	0	Yes
207-A-South	D074	S827942	0	1.0	Rad	Europium-152	14683-23-9	pCi/g	6/3/2010	0.022	--	--	200	No
207-A-South	D074	S827942	0	1.0	Rad	Plutonium-238	13981-16-3	pCi/g	6/3/2010	0.0056	0.0038	Yes	200	No
207-A-South	D074	S827942	0	1.0	Rad	Strontium-90	10098-97-2	pCi/g	6/3/2010	0.48	0.18	Yes	25	No
207-T	299-W11-39	B10F91	247	247	non-Rad	Arsenic	7440-38-2	ug/kg	12/4/2000	2,200	--	--	29	No
207-T	299-W11-39	B10F91	247	247	non-Rad	Barium	7440-39-3	ug/kg	12/4/2000	53,200	--	--	41	No
207-T	299-W11-39	B10F91	247	247	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	12/4/2000	41	--	--	111	No
207-T	299-W11-39	B10F91	247	247	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	12/4/2000	560	--	--	0	Yes
207-T	299-W11-39	B10F91	247	247	non-Rad	Methylene chloride	75-09-2	ug/kg	12/4/2000	19	--	--	0.010	Yes
207-T	299-W11-39	B10F90	10	14	non-Rad	Acetone	67-64-1	ug/kg	11/30/2000	7.0	--	--	5.75E-04	Yes
207-T	299-W11-39	B10F90	10	14	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	11/30/2000	100	--	--	111	No
207-T	299-W11-39	B10F90	10	14	non-Rad	Methylene chloride	75-09-2	ug/kg	11/30/2000	14	--	--	0.010	Yes
207-T	299-W11-39	B10F90	10	14	non-Rad	Phenol	108-95-2	ug/kg	11/30/2000	35	--	--	0.029	Yes
207-T	299-W11-39	B10F79	253	253	Rad	Tritium	10028-17-8	pCi/g	12/4/2000	0.12	--	--	0	Yes
207-T	299-W11-39	B10F79	253	253	non-Rad	Uranium	7440-61-1	ug/kg	12/4/2000	893	--	--	0	Yes
207-T	299-W11-39	B10F78	243	243	non-Rad	Uranium	7440-61-1	ug/kg	12/4/2000	933	--	--	0	Yes
207-T	299-W11-40	B105W4	250	250	non-Rad	Arsenic	7440-38-2	ug/kg	9/29/2000	960	--	--	29	No
207-T	299-W11-40	B105W4	250	250	non-Rad	Barium	7440-39-3	ug/kg	9/29/2000	44,000	--	--	41	No
207-T	299-W11-40	B105W4	250	250	non-Rad	Methylene chloride	75-09-2	ug/kg	9/29/2000	21	--	--	0.010	Yes
207-T	299-W11-40	B105W4	250	250	non-Rad	Nitrate	14797-55-8	ug/kg	9/29/2000	2,900	--	--	0	Yes
207-T	299-W11-40	B105W3	5.0	15	non-Rad	Methylene chloride	75-09-2	ug/kg	9/27/2000	9.0	--	--	0.010	Yes
207-T	299-W11-40	B105V6	259	259	Rad	Tritium	10028-17-8	pCi/g	9/29/2000	1.3	--	--	0	Yes
207-T	299-W11-40	B105V6	259	259	non-Rad	Uranium	7440-61-1	ug/kg	9/29/2000	901	--	--	0	Yes
207-T	299-W11-40	B105V5	7.0	15	Rad	Tritium	10028-17-8	pCi/g	9/29/2000	0.082	--	--	0	Yes
207-T	299-W11-40	B105V4	235	245	non-Rad	Uranium	7440-61-1	ug/kg	9/27/2000	1,060	--	--	0	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
207-T	299-W11-40	B105V3	5.0	7.0	Rad	Technetium-99	14133-76-7	pCi/g	9/27/2000	0.61	--	--	0	Yes
207-T/200-W-53	299-W11-41	B10Y96	262	264	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	11/20/2000	51	--	--	111	No
207-T/200-W-53	299-W11-41	B10Y96	262	264	non-Rad	Methylene chloride	75-09-2	ug/kg	11/20/2000	11	--	--	0.010	Yes
207-T/200-W-53	299-W11-41	B10Y95	248	248	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	11/20/2000	71	--	--	111	No
207-T/200-W-53	299-W11-41	B10Y95	248	248	non-Rad	Methylene chloride	75-09-2	ug/kg	11/20/2000	8.0	--	--	0.010	Yes
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Acetone	67-64-1	ug/kg	8/11/2000	10	--	--	5.75E-04	Yes
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Arsenic	7440-38-2	ug/kg	8/11/2000	1,000	--	--	29	No
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Barium	7440-39-3	ug/kg	8/11/2000	34,600	--	--	41	No
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/11/2000	65	--	--	111	No
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Chloroform	67-66-3	ug/kg	8/11/2000	1.0	--	--	0.053	Yes
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Methylene chloride	75-09-2	ug/kg	8/11/2000	15	--	--	0.010	Yes
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Nitrate	14797-55-8	ug/kg	8/11/2000	52,000	--	--	0	Yes
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Selenium	7782-49-2	ug/kg	8/11/2000	670	--	--	5.0	No
207-T/200-W-53	299-W11-41	B0YVY0	262	264	Rad	Technetium-99	14133-76-7	pCi/g	8/11/2000	0.70	--	--	0	Yes
207-T/200-W-53	299-W11-41	B0YVY0	262	264	Rad	Tritium	10028-17-8	pCi/g	8/11/2000	1.6	--	--	0	Yes
207-T/200-W-53	299-W11-41	B0YVX9	248	248	Rad	Technetium-99	14133-76-7	pCi/g	8/11/2000	0.83	--	--	0	Yes
207-T/200-W-53	299-W11-41	B0YVX9	248	248	Rad	Tritium	10028-17-8	pCi/g	8/11/2000	3.0	--	--	0	Yes
207-T/200-W-53	299-W11-41	B0YVX8	5.0	15	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/7/2000	35	--	--	111	No
207-T/200-W-53	299-W11-41	B0YVX8	5.0	15	non-Rad	Methylene chloride	75-09-2	ug/kg	8/7/2000	14	--	--	0.010	Yes
207-T/200-W-53	299-W11-41	B0YVX7	15	15	Rad	Technetium-99	14133-76-7	pCi/g	8/7/2000	0.58	--	--	0	Yes
207-T/200-W-53	299-W11-41	B0YVX6	5.0	5.0	Rad	Technetium-99	14133-76-7	pCi/g	8/7/2000	0.74	--	--	0	Yes
207-T/200-W-53	D018	S976724	0	1.0	Rad	Cesium-137	10045-97-3	pCi/g	6/9/2016	1.5	1.1	Yes	50	No
207-T/200-W-53	D018	S976724	0	1.0	Rad	Plutonium-239/240	PU-239/240	pCi/g	6/9/2016	0.042	0.025	Yes	200	No
207-T/200-W-53	D018	S827914	0	1.0	Rad	Europium-152	14683-23-9	pCi/g	5/27/2010	0.024	--	--	200	No
207-T/200-W-53	D018	S827914	0	1.0	Rad	Plutonium-238	13981-16-3	pCi/g	5/27/2010	0.0056	0.0038	Yes	200	No
207-T/200-W-53	D018	S827914	0	1.0	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/27/2010	0.097	0.025	Yes	200	No
207-T/200-W-53	D018	S827914	0	1.0	Rad	Strontium-90	10098-97-2	pCi/g	5/27/2010	1.1	0.18	Yes	25	No
207-T/200-W-53	D018	S755553	0	1.0	Rad	Europium-152	14683-23-9	pCi/g	5/27/2008	0.0061	--	--	200	No
207-T/200-W-53	D018	S755553	0	1.0	Rad	Plutonium-238	13981-16-3	pCi/g	5/27/2008	0.0040	0.0038	Yes	200	No
207-T/200-W-53	D018	S755553	0	1.0	Rad	Strontium-90	10098-97-2	pCi/g	5/27/2008	0.32	0.18	Yes	25	No
207-T/200-W-53	D018	S685043	0	1.0	Rad	Europium-152	14683-23-9	pCi/g	5/22/2006	0.0021	--	--	200	No
207-T/200-W-53	D018	S685043	0	1.0	Rad	Plutonium-238	13981-16-3	pCi/g	5/22/2006	0.0081	0.0038	Yes	200	No
207-T/200-W-53	D018	S609861	0	1.0	Rad	Cesium-137	10045-97-3	pCi/g	6/21/2004	1.8	1.1	Yes	50	No
207-T/200-W-53	D018	S609861	0	1.0	Rad	Europium-152	14683-23-9	pCi/g	6/21/2004	0.0094	--	--	200	No
207-T/200-W-53	D018	S609861	0	1.0	Rad	Plutonium-239/240	PU-239/240	pCi/g	6/21/2004	0.12	0.025	Yes	200	No
207-T/200-W-53	D018	S609861	0	1.0	Rad	Strontium-90	10098-97-2	pCi/g	6/21/2004	0.45	0.18	Yes	25	No
207-T/200-W-53	D018	S423810	0	1.0	Rad	Europium-152	14683-23-9	pCi/g	5/16/2002	4.05E-04	--	--	200	No
207-T/200-W-53	D018	S423810	0	1.0	Rad	Plutonium-238	13981-16-3	pCi/g	5/16/2002	0.011	0.0038	Yes	200	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
207-T/200-W-53	D018	S423810	0	1.0	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/16/2002	0.074	0.025	Yes	200	No
207-T/200-W-53	D018	S336968	0	1.0	Rad	Europium-152	14683-23-9	pCi/g	5/10/2000	0.0023	--	--	200	No
207-T/200-W-53	D018	S336968	0	1.0	Rad	Plutonium-238	13981-16-3	pCi/g	5/10/2000	0.015	0.0038	Yes	200	No
207-T/200-W-53	D018	S336968	0	1.0	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/10/2000	0.41	0.025	Yes	200	No
207-T/200-W-53	D018	S336968	0	1.0	Rad	Strontium-90	10098-97-2	pCi/g	5/10/2000	0.49	0.18	Yes	25	No
216-A-34	C3245	B16VV9	248	251	non-Rad	Aluminum	7429-90-5	ug/kg	4/17/2003	7.09E+06	--	--	1,500	No
216-A-34	C3245	B16VV9	248	251	non-Rad	Barium	7440-39-3	ug/kg	4/17/2003	86,500	--	--	41	No
216-A-34	C3245	B16VV9	248	251	Rad	Cesium-137	10045-97-3	pCi/g	4/17/2003	0.022	--	--	50	No
216-A-34	C3245	B16VV9	248	251	non-Rad	Cobalt	7440-48-4	ug/kg	4/17/2003	6,580	--	--	45	No
216-A-34	C3245	B16VV9	248	251	non-Rad	Copper	7440-50-8	ug/kg	4/17/2003	10,800	--	--	22	No
216-A-34	C3245	B16VV9	248	251	non-Rad	Manganese	7439-96-5	ug/kg	4/17/2003	271,000	--	--	65	No
216-A-34	C3245	B16VV9	248	251	non-Rad	Nickel	7440-02-0	ug/kg	4/17/2003	13,300	--	--	65	No
216-A-34	C3245	B16VV9	248	251	non-Rad	Nitrate	14797-55-8	ug/kg	4/17/2003	11,200	--	--	0	Yes
216-A-34	C3245	B16VV9	248	251	non-Rad	Vanadium	7440-62-2	ug/kg	4/17/2003	52,200	--	--	1,000	No
216-A-34	C3245	B16VV9	248	251	non-Rad	Zinc	7440-66-6	ug/kg	4/17/2003	38,800	--	--	62	No
216-A-34	C3245	B16RY5	243	245	non-Rad	Aluminum	7429-90-5	ug/kg	4/17/2003	6.86E+06	--	--	1,500	No
216-A-34	C3245	B16RY5	243	245	non-Rad	Barium	7440-39-3	ug/kg	4/17/2003	62,700	--	--	41	No
216-A-34	C3245	B16RY5	243	245	non-Rad	Cobalt	7440-48-4	ug/kg	4/17/2003	6,570	--	--	45	No
216-A-34	C3245	B16RY5	243	245	non-Rad	Copper	7440-50-8	ug/kg	4/17/2003	10,600	--	--	22	No
216-A-34	C3245	B16RY5	243	245	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/17/2003	760	--	--	0.082	Yes
216-A-34	C3245	B16RY5	243	245	Rad	Europium-155	14391-16-3	pCi/g	4/17/2003	0.0034	--	--	200	No
216-A-34	C3245	B16RY5	243	245	non-Rad	Manganese	7439-96-5	ug/kg	4/17/2003	310,000	--	--	65	No
216-A-34	C3245	B16RY5	243	245	non-Rad	Nickel	7440-02-0	ug/kg	4/17/2003	13,400	--	--	65	No
216-A-34	C3245	B16RY5	243	245	non-Rad	Nitrate	14797-55-8	ug/kg	4/17/2003	23,200	--	--	0	Yes
216-A-34	C3245	B16RY5	243	245	non-Rad	Vanadium	7440-62-2	ug/kg	4/17/2003	48,500	--	--	1,000	No
216-A-34	C3245	B16RY5	243	245	non-Rad	Zinc	7440-66-6	ug/kg	4/17/2003	36,400	--	--	62	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Aluminum	7429-90-5	ug/kg	4/16/2003	6.62E+06	--	--	1,500	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Arsenic	7440-38-2	ug/kg	4/16/2003	2,170	--	--	29	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Barium	7440-39-3	ug/kg	4/16/2003	82,800	--	--	41	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Bis(2-ethylhexyl) adipate	103-23-1	ug/kg	4/16/2003	470	--	--	36	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/16/2003	1,100	--	--	111	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Cobalt	7440-48-4	ug/kg	4/16/2003	8,140	--	--	45	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Copper	7440-50-8	ug/kg	4/16/2003	15,500	--	--	22	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/16/2003	630	--	--	0.082	Yes
216-A-34	C3245	B16RY4	208	210	Rad	Europium-155	14391-16-3	pCi/g	4/16/2003	0.0031	--	--	200	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Fluoride	16984-48-8	ug/kg	4/16/2003	2,320	--	--	150	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Manganese	7439-96-5	ug/kg	4/16/2003	275,000	--	--	65	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Molybdenum	7439-98-7	ug/kg	4/16/2003	4,390	--	--	20	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
216-A-34	C3245	B16RY4	208	210	non-Rad	Nickel	7440-02-0	ug/kg	4/16/2003	10,800	--	--	65	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Nitrate	14797-55-8	ug/kg	4/16/2003	31,100	--	--	0	Yes
216-A-34	C3245	B16RY4	208	210	non-Rad	Thallium	7440-28-0	ug/kg	4/16/2003	534	--	--	71	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Vanadium	7440-62-2	ug/kg	4/16/2003	62,000	--	--	1,000	No
216-A-34	C3245	B16RY4	208	210	non-Rad	Zinc	7440-66-6	ug/kg	4/16/2003	85,600	--	--	62	No
216-A-34	C3245	B16RY3	98	100	non-Rad	Aluminum	7429-90-5	ug/kg	4/9/2003	5.50E+06	--	--	1,500	No
216-A-34	C3245	B16RY3	98	100	non-Rad	Arsenic	7440-38-2	ug/kg	4/9/2003	2,680	--	--	29	No
216-A-34	C3245	B16RY3	98	100	non-Rad	Barium	7440-39-3	ug/kg	4/9/2003	56,300	--	--	41	No
216-A-34	C3245	B16RY3	98	100	non-Rad	Cobalt	7440-48-4	ug/kg	4/9/2003	4,790	--	--	45	No
216-A-34	C3245	B16RY3	98	100	non-Rad	Copper	7440-50-8	ug/kg	4/9/2003	9,430	--	--	22	No
216-A-34	C3245	B16RY3	98	100	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/9/2003	930	--	--	0.082	Yes
216-A-34	C3245	B16RY3	98	100	non-Rad	Manganese	7439-96-5	ug/kg	4/9/2003	237,000	--	--	65	No
216-A-34	C3245	B16RY3	98	100	non-Rad	Nickel	7440-02-0	ug/kg	4/9/2003	8,020	--	--	65	No
216-A-34	C3245	B16RY3	98	100	non-Rad	Nitrate	14797-55-8	ug/kg	4/9/2003	116,000	--	--	0	Yes
216-A-34	C3245	B16RY3	98	100	non-Rad	Vanadium	7440-62-2	ug/kg	4/9/2003	35,900	--	--	1,000	No
216-A-34	C3245	B16RY3	98	100	non-Rad	Zinc	7440-66-6	ug/kg	4/9/2003	31,400	--	--	62	No
216-A-34	C3245	B16RY2	48	50	non-Rad	Aluminum	7429-90-5	ug/kg	4/7/2003	6.48E+06	--	--	1,500	No
216-A-34	C3245	B16RY2	48	50	non-Rad	Barium	7440-39-3	ug/kg	4/7/2003	90,900	--	--	41	No
216-A-34	C3245	B16RY2	48	50	Rad	Cesium-137	10045-97-3	pCi/g	4/7/2003	0.016	--	--	50	No
216-A-34	C3245	B16RY2	48	50	non-Rad	Cobalt	7440-48-4	ug/kg	4/7/2003	7,510	--	--	45	No
216-A-34	C3245	B16RY2	48	50	non-Rad	Copper	7440-50-8	ug/kg	4/7/2003	11,600	--	--	22	No
216-A-34	C3245	B16RY2	48	50	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/7/2003	600	--	--	0.082	Yes
216-A-34	C3245	B16RY2	48	50	Rad	Europium-155	14391-16-3	pCi/g	4/7/2003	0.0052	--	--	200	No
216-A-34	C3245	B16RY2	48	50	non-Rad	Fluoride	16984-48-8	ug/kg	4/7/2003	843	--	--	150	No
216-A-34	C3245	B16RY2	48	50	non-Rad	Manganese	7439-96-5	ug/kg	4/7/2003	324,000	--	--	65	No
216-A-34	C3245	B16RY2	48	50	non-Rad	Nickel	7440-02-0	ug/kg	4/7/2003	12,400	--	--	65	No
216-A-34	C3245	B16RY2	48	50	non-Rad	Nitrate	14797-55-8	ug/kg	4/7/2003	14,300	--	--	0	Yes
216-A-34	C3245	B16RY2	48	50	Rad	Plutonium-239/240	PU-239/240	pCi/g	4/7/2003	0.014	--	--	200	No
216-A-34	C3245	B16RY2	48	50	non-Rad	Uranium	7440-61-1	ug/kg	4/7/2003	2,760	--	--	0	Yes
216-A-34	C3245	B16RY2	48	50	non-Rad	Vanadium	7440-62-2	ug/kg	4/7/2003	64,900	--	--	1,000	No
216-A-34	C3245	B16RY2	48	50	non-Rad	Zinc	7440-66-6	ug/kg	4/7/2003	41,300	--	--	62	No
216-A-34	C3245	B16RY1	33	35	non-Rad	Aluminum	7429-90-5	ug/kg	4/7/2003	7.49E+06	--	--	1,500	No
216-A-34	C3245	B16RY1	33	35	non-Rad	Arsenic	7440-38-2	ug/kg	4/7/2003	2,200	--	--	29	No
216-A-34	C3245	B16RY1	33	35	non-Rad	Barium	7440-39-3	ug/kg	4/7/2003	88,600	--	--	41	No
216-A-34	C3245	B16RY1	33	35	Rad	Cesium-137	10045-97-3	pCi/g	4/7/2003	0.049	--	--	50	No
216-A-34	C3245	B16RY1	33	35	non-Rad	Cobalt	7440-48-4	ug/kg	4/7/2003	11,300	--	--	45	No
216-A-34	C3245	B16RY1	33	35	non-Rad	Copper	7440-50-8	ug/kg	4/7/2003	15,300	--	--	22	No
216-A-34	C3245	B16RY1	33	35	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/7/2003	1,000	--	--	0.082	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
216-A-34	C3245	B16RY1	33	35	non-Rad	Fluoride	16984-48-8	ug/kg	4/7/2003	2,450	--	--	150	No
216-A-34	C3245	B16RY1	33	35	non-Rad	Manganese	7439-96-5	ug/kg	4/7/2003	433,000	--	--	65	No
216-A-34	C3245	B16RY1	33	35	non-Rad	Nickel	7440-02-0	ug/kg	4/7/2003	7,410	--	--	65	No
216-A-34	C3245	B16RY1	33	35	non-Rad	Nitrate	14797-55-8	ug/kg	4/7/2003	4.65E+06	--	--	0	Yes
216-A-34	C3245	B16RY1	33	35	non-Rad	Nitrite	14797-65-0	ug/kg	4/7/2003	3,680	--	--	0	Yes
216-A-34	C3245	B16RY1	33	35	non-Rad	Tributyl phosphate	126-73-8	ug/kg	4/7/2003	29,000	--	--	2.4	No
216-A-34	C3245	B16RY1	33	35	non-Rad	Uranium	7440-61-1	ug/kg	4/7/2003	19,100	--	--	0	Yes
216-A-34	C3245	B16RY1	33	35	Rad	Uranium-235	15117-96-1	pCi/g	4/7/2003	0.13	0.11	Yes	0	Yes
216-A-34	C3245	B16RY1	33	35	Rad	Uranium-238	U-238	pCi/g	4/7/2003	7.4	1.1	Yes	0	Yes
216-A-34	C3245	B16RY1	33	35	non-Rad	Vanadium	7440-62-2	ug/kg	4/7/2003	104,000	--	--	1,000	No
216-A-34	C3245	B16RY1	33	35	non-Rad	Zinc	7440-66-6	ug/kg	4/7/2003	50,000	--	--	62	No
216-A-34	C3245	B16RY0	28	30	non-Rad	Aluminum	7429-90-5	ug/kg	4/7/2003	6.45E+06	--	--	1,500	No
216-A-34	C3245	B16RY0	28	30	Rad	Americium-241	14596-10-2	pCi/g	4/7/2003	0.0058	--	--	200	No
216-A-34	C3245	B16RY0	28	30	non-Rad	Barium	7440-39-3	ug/kg	4/7/2003	66,300	--	--	41	No
216-A-34	C3245	B16RY0	28	30	non-Rad	Cobalt	7440-48-4	ug/kg	4/7/2003	10,500	--	--	45	No
216-A-34	C3245	B16RY0	28	30	non-Rad	Copper	7440-50-8	ug/kg	4/7/2003	15,000	--	--	22	No
216-A-34	C3245	B16RY0	28	30	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/7/2003	790	--	--	0.082	Yes
216-A-34	C3245	B16RY0	28	30	non-Rad	Fluoride	16984-48-8	ug/kg	4/7/2003	1,820	--	--	150	No
216-A-34	C3245	B16RY0	28	30	non-Rad	Manganese	7439-96-5	ug/kg	4/7/2003	354,000	--	--	65	No
216-A-34	C3245	B16RY0	28	30	non-Rad	Nickel	7440-02-0	ug/kg	4/7/2003	6,320	--	--	65	No
216-A-34	C3245	B16RY0	28	30	non-Rad	Nitrate	14797-55-8	ug/kg	4/7/2003	4.36E+07	--	--	0	Yes
216-A-34	C3245	B16RY0	28	30	non-Rad	Nitrite	14797-65-0	ug/kg	4/7/2003	3,280	--	--	0	Yes
216-A-34	C3245	B16RY0	28	30	non-Rad	Thallium	7440-28-0	ug/kg	4/7/2003	580	--	--	71	No
216-A-34	C3245	B16RY0	28	30	non-Rad	Tributyl phosphate	126-73-8	ug/kg	4/7/2003	8,500	--	--	2.4	No
216-A-34	C3245	B16RY0	28	30	non-Rad	Uranium	7440-61-1	ug/kg	4/7/2003	66,000	--	--	0	Yes
216-A-34	C3245	B16RY0	28	30	Rad	Uranium-233/234	U-233/234	pCi/g	4/7/2003	2.6	1.1	Yes	0	Yes
216-A-34	C3245	B16RY0	28	30	Rad	Uranium-235	15117-96-1	pCi/g	4/7/2003	0.34	0.11	Yes	0	Yes
216-A-34	C3245	B16RY0	28	30	Rad	Uranium-238	U-238	pCi/g	4/7/2003	22	1.1	Yes	0	Yes
216-A-34	C3245	B16RY0	28	30	non-Rad	Vanadium	7440-62-2	ug/kg	4/7/2003	107,000	--	--	1,000	No
216-A-34	C3245	B16RY0	28	30	non-Rad	Zinc	7440-66-6	ug/kg	4/7/2003	52,100	--	--	62	No
216-A-34	C3245	B16RX9	23	25	non-Rad	Barium	7440-39-3	ug/kg	4/4/2003	85,800	--	--	41	No
216-A-34	C3245	B16RX9	23	25	non-Rad	Beryllium	7440-41-7	ug/kg	4/4/2003	256	--	--	790	No
216-A-34	C3245	B16RX9	23	25	non-Rad	Cadmium	7440-43-9	ug/kg	4/4/2003	208	--	--	6.7	No
216-A-34	C3245	B16RX9	23	25	non-Rad	Cobalt	7440-48-4	ug/kg	4/4/2003	10,500	--	--	45	No
216-A-34	C3245	B16RX9	23	25	non-Rad	Copper	7440-50-8	ug/kg	4/4/2003	13,000	--	--	22	No
216-A-34	C3245	B16RX9	23	25	non-Rad	Fluoride	16984-48-8	ug/kg	4/4/2003	1,030	--	--	150	No
216-A-34	C3245	B16RX9	23	25	non-Rad	Manganese	7439-96-5	ug/kg	4/4/2003	456,000	--	--	65	No
216-A-34	C3245	B16RX9	23	25	non-Rad	Nickel	7440-02-0	ug/kg	4/4/2003	6,900	--	--	65	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
216-A-34	C3245	B16RX9	23	25	Rad	Plutonium-239/240	PU-239/240	pCi/g	4/4/2003	0.030	--	--	200	No
216-A-34	C3245	B16RX9	23	25	non-Rad	Tributyl phosphate	126-73-8	ug/kg	4/4/2003	100	--	--	2.4	No
216-A-34	C3245	B16RX9	23	25	non-Rad	Uranium	7440-61-1	ug/kg	4/4/2003	130,000	--	--	0	Yes
216-A-34	C3245	B16RX9	23	25	Rad	Uranium-233/234	U-233/234	pCi/g	4/4/2003	5.4	1.1	Yes	0	Yes
216-A-34	C3245	B16RX9	23	25	Rad	Uranium-235	15117-96-1	pCi/g	4/4/2003	0.65	0.11	Yes	0	Yes
216-A-34	C3245	B16RX9	23	25	Rad	Uranium-238	U-238	pCi/g	4/4/2003	41	1.1	Yes	0	Yes
216-A-34	C3245	B16RX9	23	25	non-Rad	Vanadium	7440-62-2	ug/kg	4/4/2003	108,000	--	--	1,000	No
216-A-34	C3245	B16RX8	23	25	non-Rad	Aluminum	7429-90-5	ug/kg	4/4/2003	6.97E+06	--	--	1,500	No
216-A-34	C3245	B16RX8	23	25	non-Rad	Arsenic	7440-38-2	ug/kg	4/4/2003	2,810	--	--	29	No
216-A-34	C3245	B16RX8	23	25	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/4/2003	620	--	--	111	No
216-A-34	C3245	B16RX8	23	25	non-Rad	Boron	7440-42-8	ug/kg	4/4/2003	34,330	--	--	3.0	No
216-A-34	C3245	B16RX8	23	25	non-Rad	Molybdenum	7439-98-7	ug/kg	4/4/2003	1,540	--	--	20	No
216-A-34	C3245	B16RX8	23	25	non-Rad	Nitrate	14797-55-8	ug/kg	4/4/2003	1.98E+06	--	--	0	Yes
216-A-34	C3245	B16RX8	23	25	non-Rad	Nitrite	14797-65-0	ug/kg	4/4/2003	1,480	--	--	0	Yes
216-A-34	C3245	B16RX8	23	25	non-Rad	Silver	7440-22-4	ug/kg	4/4/2003	118	--	--	8.3	No
216-A-34	C3245	B16RX8	23	25	non-Rad	Thallium	7440-28-0	ug/kg	4/4/2003	121	--	--	71	No
216-A-34	C3245	B16RX8	23	25	non-Rad	Zinc	7440-66-6	ug/kg	4/4/2003	58,800	--	--	62	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Aluminum	7429-90-5	ug/kg	4/4/2003	5.27E+06	--	--	1,500	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Arsenic	7440-38-2	ug/kg	4/4/2003	3,480	--	--	29	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Barium	7440-39-3	ug/kg	4/4/2003	92,700	--	--	41	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Beryllium	7440-41-7	ug/kg	4/4/2003	231	--	--	790	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/4/2003	680	--	--	111	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Boron	7440-42-8	ug/kg	4/4/2003	31,210	--	--	3.0	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Cadmium	7440-43-9	ug/kg	4/4/2003	186	--	--	6.7	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Cobalt	7440-48-4	ug/kg	4/4/2003	10,500	--	--	45	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Copper	7440-50-8	ug/kg	4/4/2003	13,000	--	--	22	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/4/2003	420	--	--	0.082	Yes
216-A-34	C3245	B16RX7	18	20	non-Rad	Fluoride	16984-48-8	ug/kg	4/4/2003	1,620	--	--	150	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Manganese	7439-96-5	ug/kg	4/4/2003	538,000	--	--	65	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Nickel	7440-02-0	ug/kg	4/4/2003	8,260	--	--	65	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Nitrate	14797-55-8	ug/kg	4/4/2003	1.83E+06	--	--	0	Yes
216-A-34	C3245	B16RX7	18	20	Rad	Plutonium-239/240	PU-239/240	pCi/g	4/4/2003	0.035	--	--	200	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Silver	7440-22-4	ug/kg	4/4/2003	109	--	--	8.3	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Thallium	7440-28-0	ug/kg	4/4/2003	78	--	--	71	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Tributyl phosphate	126-73-8	ug/kg	4/4/2003	130,000	--	--	2.4	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Uranium	7440-61-1	ug/kg	4/4/2003	39,600	--	--	0	Yes
216-A-34	C3245	B16RX7	18	20	Rad	Uranium-233/234	U-233/234	pCi/g	4/4/2003	1.8	1.1	Yes	0	Yes
216-A-34	C3245	B16RX7	18	20	Rad	Uranium-235	15117-96-1	pCi/g	4/4/2003	0.22	0.11	Yes	0	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
216-A-34	C3245	B16RX7	18	20	Rad	Uranium-238	U-238	pCi/g	4/4/2003	14	1.1	Yes	0	Yes
216-A-34	C3245	B16RX7	18	20	non-Rad	Vanadium	7440-62-2	ug/kg	4/4/2003	99,600	--	--	1,000	No
216-A-34	C3245	B16RX7	18	20	non-Rad	Zinc	7440-66-6	ug/kg	4/4/2003	57,300	--	--	62	No
216-A-34	C3245	B16RX6	15	17	Rad	Americium-241	14596-10-2	pCi/g	4/4/2003	0.079	--	--	200	No
216-A-34	C3245	B16RX6	15	17	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	4/4/2003	660	--	--	111	No
216-A-34	C3245	B16RX6	15	17	non-Rad	Boron	7440-42-8	ug/kg	4/4/2003	38,930	3,890	Yes	3.0	No
216-A-34	C3245	B16RX6	15	17	non-Rad	Fluoride	16984-48-8	ug/kg	4/4/2003	5,620	2,810	Yes	150	No
216-A-34	C3245	B16RX6	15	17	non-Rad	Nitrate	14797-55-8	ug/kg	4/4/2003	2.42E+06	52,000	Yes	0	Yes
216-A-34	C3245	B16RX6	15	17	Rad	Plutonium-239/240	PU-239/240	pCi/g	4/4/2003	0.18	0.025	Yes	200	No
216-A-34	C3245	B16RX6	15	17	non-Rad	Tributyl phosphate	126-73-8	ug/kg	4/4/2003	280,000	--	--	2.4	No
216-A-34	C3245	B16RX6	15	17	non-Rad	Uranium	7440-61-1	ug/kg	4/4/2003	129,000	3,210	Yes	0	Yes
216-A-34	C3245	B16RX6	15	17	Rad	Uranium-233/234	U-233/234	pCi/g	4/4/2003	6.0	1.1	Yes	0	Yes
216-A-34	C3245	B16RX6	15	17	Rad	Uranium-234	13966-29-5	pCi/g	4/4/2003	6.0	1.1	Yes	0	Yes
216-A-34	C3245	B16RX6	15	17	Rad	Uranium-235	15117-96-1	pCi/g	4/4/2003	0.94	0.11	Yes	0	Yes
216-A-34	C3245	B16RX6	15	17	Rad	Uranium-238	U-238	pCi/g	4/4/2003	51	1.1	Yes	0	Yes
216-A-34	C3245	B16RX6	15	17	non-Rad	Vanadium	7440-62-2	ug/kg	4/4/2003	96,100	85,100	Yes	1,000	No
216-A-34	C3245	B16RX5	248	250	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/17/2003	2,000	--	--	0	Yes
216-A-34	C3245	B16RX5	248	250	Rad	Tritium	10028-17-8	pCi/g	4/17/2003	0.17	--	--	0	Yes
216-A-34	C3245	B16RX4	243	245	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/17/2003	4,500	--	--	0	Yes
216-A-34	C3245	B16RX3	208	210	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/16/2003	7,800	--	--	0	Yes
216-A-34	C3245	B16RX2	98	100	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/9/2003	24,800	--	--	0	Yes
216-A-34	C3245	B16RX1	48	50	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/7/2003	3,100	--	--	0	Yes
216-A-34	C3245	B16RX0	33	35	Rad	Nickel-63	13981-37-8	pCi/g	4/7/2003	9.0	--	--	30	No
216-A-34	C3245	B16RX0	33	35	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/7/2003	1.12E+06	--	--	0	Yes
216-A-34	C3245	B16RW9	28	30	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/7/2003	861,000	--	--	0	Yes
216-A-34	C3245	B16RW8	23	25	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/4/2003	501,000	--	--	0	Yes
216-A-34	C3245	B16RW7	23	25	Rad	Strontium-90	10098-97-2	pCi/g	4/4/2003	5.2	--	--	25	No
216-A-34	C3245	B16RW6	18	20	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/4/2003	476,000	--	--	0	Yes
216-A-34	C3245	B16RW6	18	20	Rad	Strontium-90	10098-97-2	pCi/g	4/4/2003	13	--	--	25	No
216-A-34	C3245	B16RW5	15	17	Rad	Nickel-63	13981-37-8	pCi/g	4/4/2003	16	--	--	30	No
216-A-34	C3245	B16RW5	15	17	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/4/2003	544,000	--	--	0	Yes
216-A-34	C3245	B16RW5	15	17	Rad	Strontium-90	10098-97-2	pCi/g	4/4/2003	11	0.18	Yes	25	No
UPR-200-E-64	299-E28-30	B23PW1	0	357	non-Rad	Aluminum	7429-90-5	ug/kg	2/22/2010	4.28E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B23PW1	0	357	non-Rad	Antimony	7440-36-0	ug/kg	2/22/2010	430	--	--	45	No
UPR-200-E-64	299-E28-30	B23PW1	0	357	non-Rad	Arsenic	7440-38-2	ug/kg	2/22/2010	1,040	--	--	29	No
UPR-200-E-64	299-E28-30	B23PW1	0	357	non-Rad	Cadmium	7440-43-9	ug/kg	2/22/2010	140	--	--	6.7	No
UPR-200-E-64	299-E28-30	B23PW1	0	357	non-Rad	Hexane	110-54-3	ug/kg	2/22/2010	230	--	--	3.4	No
UPR-200-E-64	299-E28-30	B23PW1	0	357	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	2/22/2010	110	--	--	0	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-64	299-E28-30	B23PW1	0	357	non-Rad	Iron	7439-89-6	ug/kg	2/22/2010	1.23E+07	--	--	25	No
UPR-200-E-64	299-E28-30	B23PW1	0	357	non-Rad	Nickel	7440-02-0	ug/kg	2/22/2010	6,940	--	--	65	No
UPR-200-E-64	299-E28-30	B23PW1	0	357	non-Rad	Silver	7440-22-4	ug/kg	2/22/2010	410	--	--	8.3	No
UPR-200-E-64	299-E28-30	B23PW1	0	357	non-Rad	Uranium	7440-61-1	ug/kg	2/22/2010	400	--	--	0	Yes
UPR-200-E-64	299-E28-30	B23PW0	329	332	non-Rad	Aluminum	7429-90-5	ug/kg	2/12/2010	4.12E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B23PW0	329	332	Rad	Americium-241	14596-10-2	pCi/g	2/12/2010	0.028	--	--	200	No
UPR-200-E-64	299-E28-30	B23PW0	329	332	non-Rad	Arsenic	7440-38-2	ug/kg	2/12/2010	1,080	--	--	29	No
UPR-200-E-64	299-E28-30	B23PW0	329	332	non-Rad	Hexane	110-54-3	ug/kg	2/12/2010	44	--	--	3.4	No
UPR-200-E-64	299-E28-30	B23PW0	329	332	non-Rad	Iron	7439-89-6	ug/kg	2/12/2010	1.17E+07	--	--	25	No
UPR-200-E-64	299-E28-30	B23PW0	329	332	non-Rad	Nickel	7440-02-0	ug/kg	2/12/2010	10,100	--	--	65	No
UPR-200-E-64	299-E28-30	B23PW0	329	332	non-Rad	Nitrate	14797-55-8	ug/kg	2/12/2010	62,900	--	--	0	Yes
UPR-200-E-64	299-E28-30	B23PW0	329	332	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/12/2010	0.16	--	--	200	No
UPR-200-E-64	299-E28-30	B23PW0	329	332	Rad	Tritium	10028-17-8	pCi/g	2/12/2010	16	--	--	0	Yes
UPR-200-E-64	299-E28-30	B23PW0	329	332	non-Rad	Uranium	7440-61-1	ug/kg	2/12/2010	430	--	--	0	Yes
UPR-200-E-64	299-E28-30	B23PV9	314	317	non-Rad	Arsenic	7440-38-2	ug/kg	2/9/2010	1,220	--	--	29	No
UPR-200-E-64	299-E28-30	B23PV9	314	317	non-Rad	Hexane	110-54-3	ug/kg	2/9/2010	230	--	--	3.4	No
UPR-200-E-64	299-E28-30	B23PV9	314	317	non-Rad	Iron	7439-89-6	ug/kg	2/9/2010	8.79E+06	--	--	25	No
UPR-200-E-64	299-E28-30	B23PV9	314	317	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/9/2010	0.020	--	--	200	No
UPR-200-E-64	299-E28-30	B23PV9	314	317	non-Rad	Uranium	7440-61-1	ug/kg	2/9/2010	260	--	--	0	Yes
UPR-200-E-64	299-E28-30	B23PV8	314	317	non-Rad	Aluminum	7429-90-5	ug/kg	2/9/2010	3.97E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B23PV8	314	317	Rad	Americium-241	14596-10-2	pCi/g	2/9/2010	0.026	--	--	200	No
UPR-200-E-64	299-E28-30	B23PV8	314	317	non-Rad	Nickel	7440-02-0	ug/kg	2/9/2010	8,390	--	--	65	No
UPR-200-E-64	299-E28-30	B23PV8	314	317	non-Rad	Nitrate	14797-55-8	ug/kg	2/9/2010	25,300	--	--	0	Yes
UPR-200-E-64	299-E28-30	B23PV8	314	317	non-Rad	Trichloromonofluoromethane	75-69-4	ug/kg	2/9/2010	4.1	--	--	0.044	Yes
UPR-200-E-64	299-E28-30	B235T8	0	300	non-Rad	Aluminum	7429-90-5	ug/kg	2/8/2010	4.37E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B235T8	0	300	non-Rad	Antimony	7440-36-0	ug/kg	2/8/2010	241	--	--	45	No
UPR-200-E-64	299-E28-30	B235T8	0	300	non-Rad	Arsenic	7440-38-2	ug/kg	2/8/2010	716	--	--	29	No
UPR-200-E-64	299-E28-30	B235T8	0	300	non-Rad	Copper	7440-50-8	ug/kg	2/8/2010	7,340	--	--	22	No
UPR-200-E-64	299-E28-30	B235T8	0	300	non-Rad	Fluoride	16984-48-8	ug/kg	2/8/2010	714	--	--	150	No
UPR-200-E-64	299-E28-30	B235T8	0	300	non-Rad	Iron	7439-89-6	ug/kg	2/8/2010	1.06E+07	--	--	25	No
UPR-200-E-64	299-E28-30	B235T8	0	300	non-Rad	Manganese	7439-96-5	ug/kg	2/8/2010	187,000	--	--	65	No
UPR-200-E-64	299-E28-30	B235T8	0	300	non-Rad	Nickel	7440-02-0	ug/kg	2/8/2010	7,460	--	--	65	No
UPR-200-E-64	299-E28-30	B235T8	0	300	non-Rad	Nitrate	14797-55-8	ug/kg	2/8/2010	1,540	--	--	0	Yes
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Aluminum	7429-90-5	ug/kg	2/3/2010	4.53E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Arsenic	7440-38-2	ug/kg	2/3/2010	444	--	--	29	No
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Fluoride	16984-48-8	ug/kg	2/3/2010	571	--	--	150	No
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Iron	7439-89-6	ug/kg	2/3/2010	1.67E+07	--	--	25	No
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Manganese	7439-96-5	ug/kg	2/3/2010	253,000	--	--	65	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Nickel	7440-02-0	ug/kg	2/3/2010	6,750	--	--	65	No
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Nitrate	14797-55-8	ug/kg	2/3/2010	10,900	--	--	0	Yes
UPR-200-E-64	299-E28-30	B235R2	0	260	non-Rad	Aluminum	7429-90-5	ug/kg	2/1/2010	4.15E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B235R2	0	260	non-Rad	Arsenic	7440-38-2	ug/kg	2/1/2010	659	--	--	29	No
UPR-200-E-64	299-E28-30	B235R2	0	260	non-Rad	Fluoride	16984-48-8	ug/kg	2/1/2010	703	--	--	150	No
UPR-200-E-64	299-E28-30	B235R2	0	260	non-Rad	Iron	7439-89-6	ug/kg	2/1/2010	1.15E+07	--	--	25	No
UPR-200-E-64	299-E28-30	B235R2	0	260	non-Rad	Manganese	7439-96-5	ug/kg	2/1/2010	172,000	--	--	65	No
UPR-200-E-64	299-E28-30	B235R2	0	260	non-Rad	Nickel	7440-02-0	ug/kg	2/1/2010	6,220	--	--	65	No
UPR-200-E-64	299-E28-30	B235R2	0	260	non-Rad	Nitrate	14797-55-8	ug/kg	2/1/2010	16,500	--	--	0	Yes
UPR-200-E-64	299-E28-30	B235R2	0	260	non-Rad	Nitrite	14797-65-0	ug/kg	2/1/2010	3,870	--	--	0	Yes
UPR-200-E-64	299-E28-30	B235N9	0	228	non-Rad	Aluminum	7429-90-5	ug/kg	1/28/2010	4.14E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B235N9	0	228	non-Rad	Arsenic	7440-38-2	ug/kg	1/28/2010	998	--	--	29	No
UPR-200-E-64	299-E28-30	B235N9	0	228	non-Rad	Fluoride	16984-48-8	ug/kg	1/28/2010	420	--	--	150	No
UPR-200-E-64	299-E28-30	B235N9	0	228	non-Rad	Iron	7439-89-6	ug/kg	1/28/2010	1.00E+07	--	--	25	No
UPR-200-E-64	299-E28-30	B235N9	0	228	non-Rad	Manganese	7439-96-5	ug/kg	1/28/2010	173,000	--	--	65	No
UPR-200-E-64	299-E28-30	B235N9	0	228	non-Rad	Nickel	7440-02-0	ug/kg	1/28/2010	6,780	--	--	65	No
UPR-200-E-64	299-E28-30	B235N9	0	228	non-Rad	Nitrate	14797-55-8	ug/kg	1/28/2010	22,200	--	--	0	Yes
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Aluminum	7429-90-5	ug/kg	1/25/2010	4.43E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Arsenic	7440-38-2	ug/kg	1/25/2010	2,840	--	--	29	No
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Iron	7439-89-6	ug/kg	1/25/2010	8.64E+06	--	--	25	No
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Manganese	7439-96-5	ug/kg	1/25/2010	183,000	--	--	65	No
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Nickel	7440-02-0	ug/kg	1/25/2010	9,190	--	--	65	No
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Nitrate	14797-55-8	ug/kg	1/25/2010	528,000	--	--	0	Yes
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Aluminum	7429-90-5	ug/kg	1/19/2010	5.29E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Arsenic	7440-38-2	ug/kg	1/19/2010	1,660	--	--	29	No
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Iron	7439-89-6	ug/kg	1/19/2010	1.09E+07	--	--	25	No
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Manganese	7439-96-5	ug/kg	1/19/2010	210,000	--	--	65	No
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Nickel	7440-02-0	ug/kg	1/19/2010	7,540	--	--	65	No
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Nitrate	14797-55-8	ug/kg	1/19/2010	972,000	--	--	0	Yes
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Aluminum	7429-90-5	ug/kg	1/19/2010	3.87E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Arsenic	7440-38-2	ug/kg	1/19/2010	2,780	--	--	29	No
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Iron	7439-89-6	ug/kg	1/19/2010	9.15E+06	--	--	25	No
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Manganese	7439-96-5	ug/kg	1/19/2010	177,000	--	--	65	No
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Nickel	7440-02-0	ug/kg	1/19/2010	9,210	--	--	65	No
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Nitrate	14797-55-8	ug/kg	1/19/2010	2.57E+06	--	--	0	Yes
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Aluminum	7429-90-5	ug/kg	1/15/2010	4.58E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Arsenic	7440-38-2	ug/kg	1/15/2010	1,900	--	--	29	No
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Iron	7439-89-6	ug/kg	1/15/2010	9.52E+06	--	--	25	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Manganese	7439-96-5	ug/kg	1/15/2010	188,000	--	--	65	No
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Nickel	7440-02-0	ug/kg	1/15/2010	8,400	--	--	65	No
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Nitrate	14797-55-8	ug/kg	1/15/2010	1.40E+06	--	--	0	Yes
UPR-200-E-64	299-E28-30	B235J0	103	105	non-Rad	Aluminum	7429-90-5	ug/kg	1/14/2010	4.73E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B235J0	103	105	non-Rad	Arsenic	7440-38-2	ug/kg	1/14/2010	1,870	--	--	29	No
UPR-200-E-64	299-E28-30	B235J0	103	105	non-Rad	Iron	7439-89-6	ug/kg	1/14/2010	1.05E+07	--	--	25	No
UPR-200-E-64	299-E28-30	B235J0	103	105	non-Rad	Manganese	7439-96-5	ug/kg	1/14/2010	198,000	--	--	65	No
UPR-200-E-64	299-E28-30	B235J0	103	105	non-Rad	Nickel	7440-02-0	ug/kg	1/14/2010	8,520	--	--	65	No
UPR-200-E-64	299-E28-30	B235J0	103	105	non-Rad	Nitrate	14797-55-8	ug/kg	1/14/2010	792,000	--	--	0	Yes
UPR-200-E-64	299-E28-30	B235H1	0	83	non-Rad	Aluminum	7429-90-5	ug/kg	1/13/2010	5.51E+06	--	--	1,500	No
UPR-200-E-64	299-E28-30	B235H1	0	83	non-Rad	Arsenic	7440-38-2	ug/kg	1/13/2010	1,500	--	--	29	No
UPR-200-E-64	299-E28-30	B235H1	0	83	non-Rad	Iron	7439-89-6	ug/kg	1/13/2010	1.07E+07	--	--	25	No
UPR-200-E-64	299-E28-30	B235H1	0	83	non-Rad	Manganese	7439-96-5	ug/kg	1/13/2010	209,000	--	--	65	No
UPR-200-E-64	299-E28-30	B235H1	0	83	non-Rad	Nickel	7440-02-0	ug/kg	1/13/2010	8,660	--	--	65	No
UPR-200-E-64	299-E28-30	B235H1	0	83	non-Rad	Nitrate	14797-55-8	ug/kg	1/13/2010	339,000	--	--	0	Yes
UPR-200-E-64	C5942	B1TFT1	28	30	Rad	Tritium	10028-17-8	pCi/g	2/14/2008	0.012	--	--	0	Yes
UPR-200-E-64	C5942	B1TFR4	17	20	Rad	Americium-241	14596-10-2	pCi/g	2/13/2008	11	--	--	200	No
UPR-200-E-64	C5942	B1TFR4	17	20	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/13/2008	0.85	--	--	200	No
UPR-200-E-64	C5942	B1TFR4	17	20	Rad	Strontium-90	10098-97-2	pCi/g	2/13/2008	8,338	--	--	25	No
UPR-200-E-64	C5942	B1TFR3	17	20	Rad	Cesium-137	10045-97-3	pCi/g	2/13/2008	20,397	--	--	50	No
UPR-200-E-64	C5942	B1TFP8	17	20	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	2/13/2008	320	--	--	0	Yes
UPR-200-E-64	C5942	B1TFP4	48	50	Rad	Americium-241	14596-10-2	pCi/g	2/19/2008	0.085	--	--	200	No
UPR-200-E-64	C5942	B1TFP4	48	50	non-Rad	Arsenic	7440-38-2	ug/kg	2/19/2008	5,660	--	--	29	No
UPR-200-E-64	C5942	B1TFP4	48	50	non-Rad	Barium	7440-39-3	ug/kg	2/19/2008	62,600	--	--	41	No
UPR-200-E-64	C5942	B1TFP4	48	50	non-Rad	Beryllium	7440-41-7	ug/kg	2/19/2008	190	--	--	790	No
UPR-200-E-64	C5942	B1TFP4	48	50	Rad	Cesium-137	10045-97-3	pCi/g	2/19/2008	0.13	--	--	50	No
UPR-200-E-64	C5942	B1TFP4	48	50	non-Rad	Copper	7440-50-8	ug/kg	2/19/2008	8,490	--	--	22	No
UPR-200-E-64	C5942	B1TFP4	48	50	non-Rad	Nickel	7440-02-0	ug/kg	2/19/2008	10,500	--	--	65	No
UPR-200-E-64	C5942	B1TFP4	48	50	non-Rad	Nitrate	14797-55-8	ug/kg	2/19/2008	1,440	--	--	0	Yes
UPR-200-E-64	C5942	B1TFP4	48	50	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/19/2008	0.017	--	--	200	No
UPR-200-E-64	C5942	B1TFP4	48	50	non-Rad	Selenium	7782-49-2	ug/kg	2/19/2008	640	--	--	5.0	No
UPR-200-E-64	C5942	B1TFP4	48	50	non-Rad	Zinc	7440-66-6	ug/kg	2/19/2008	30,500	--	--	62	No
UPR-200-E-64	C5942	B1TFP3	28	30	Rad	Americium-241	14596-10-2	pCi/g	2/14/2008	0.12	--	--	200	No
UPR-200-E-64	C5942	B1TFP3	28	30	non-Rad	Arsenic	7440-38-2	ug/kg	2/14/2008	1,850	--	--	29	No
UPR-200-E-64	C5942	B1TFP3	28	30	non-Rad	Barium	7440-39-3	ug/kg	2/14/2008	55,400	--	--	41	No
UPR-200-E-64	C5942	B1TFP3	28	30	non-Rad	Beryllium	7440-41-7	ug/kg	2/14/2008	200	--	--	790	No
UPR-200-E-64	C5942	B1TFP3	28	30	Rad	Cesium-137	10045-97-3	pCi/g	2/14/2008	0.014	--	--	50	No
UPR-200-E-64	C5942	B1TFP3	28	30	non-Rad	Copper	7440-50-8	ug/kg	2/14/2008	9,250	--	--	22	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-64	C5942	B1TFP3	28	30	non-Rad	Nickel	7440-02-0	ug/kg	2/14/2008	6,220	--	--	65	No
UPR-200-E-64	C5942	B1TFP3	28	30	non-Rad	Nitrate	14797-55-8	ug/kg	2/14/2008	3,520	--	--	0	Yes
UPR-200-E-64	C5942	B1TFP3	28	30	non-Rad	Selenium	7782-49-2	ug/kg	2/14/2008	520	--	--	5.0	No
UPR-200-E-64	C5942	B1TFP3	28	30	Rad	Strontium-90	10098-97-2	pCi/g	2/14/2008	75	--	--	25	No
UPR-200-E-64	C5942	B1TFP3	28	30	non-Rad	Zinc	7440-66-6	ug/kg	2/14/2008	27,900	--	--	62	No
UPR-200-E-64	C5942	B1TFP2	17	20	non-Rad	Arsenic	7440-38-2	ug/kg	2/13/2008	1,300	--	--	29	No
UPR-200-E-64	C5942	B1TFP2	17	20	non-Rad	Barium	7440-39-3	ug/kg	2/13/2008	76,100	--	--	41	No
UPR-200-E-64	C5942	B1TFP2	17	20	non-Rad	Beryllium	7440-41-7	ug/kg	2/13/2008	270	--	--	790	No
UPR-200-E-64	C5942	B1TFP2	17	20	non-Rad	Nickel	7440-02-0	ug/kg	2/13/2008	8,100	--	--	65	No
UPR-200-E-64	C5942	B1TFP2	17	20	non-Rad	Zinc	7440-66-6	ug/kg	2/13/2008	37,500	--	--	62	No
UPR-200-E-64	C5942	B1TFP1	17	20	non-Rad	Copper	7440-50-8	ug/kg	2/13/2008	9,600	--	--	22	No
UPR-200-E-64	C5942	B1TFP1	17	20	non-Rad	Mercury	7439-97-6	ug/kg	2/13/2008	76	--	--	52	No
UPR-200-E-64	C5942	B1TFP0	13	15	Rad	Americium-241	14596-10-2	pCi/g	2/12/2008	8.9	--	--	200	No
UPR-200-E-64	C5942	B1TFP0	13	15	Rad	Cesium-137	10045-97-3	pCi/g	2/12/2008	2,831	1.1	Yes	50	No
UPR-200-E-64	C5942	B1TFP0	13	15	Rad	Europium-154	15585-10-1	pCi/g	2/12/2008	1.6	0.033	Yes	200	No
UPR-200-E-64	C5942	B1TFP0	13	15	non-Rad	Mercury	7439-97-6	ug/kg	2/12/2008	500	13	Yes	52	No
UPR-200-E-64	C5942	B1TFP0	13	15	Rad	Plutonium-238	13981-16-3	pCi/g	2/12/2008	0.24	0.0038	Yes	200	No
UPR-200-E-64	C5942	B1TFP0	13	15	Rad	Plutonium-239/240	PU-239/240	pCi/g	2/12/2008	0.73	0.025	Yes	200	No
UPR-200-E-64	C5942	B1TFP0	13	15	Rad	Uranium-233/234	U-233/234	pCi/g	2/12/2008	2.0	1.1	Yes	0	Yes
UPR-200-E-64	C5942	B1TFN9	4.0	6.0	Rad	Americium-241	14596-10-2	pCi/g	2/11/2008	0.16	--	--	200	No
UPR-200-E-64	C5942	B1TFN0	17	20	non-Rad	Methylene chloride	75-09-2	ug/kg	2/13/2008	6.6	--	--	0.010	Yes
UPR-200-E-89	299-E33-341	B1TT53	230	233	Rad	Americium-241	14596-10-2	pCi/g	5/22/2008	0.14	--	--	200	No
UPR-200-E-89	299-E33-341	B1TT53	230	233	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	5/22/2008	560	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TT53	230	233	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	5/22/2008	15,300	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TT53	230	233	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/22/2008	0.027	--	--	200	No
UPR-200-E-89	299-E33-341	B1TT53	230	233	Rad	Technetium-99	14133-76-7	pCi/g	5/22/2008	4.8	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP94	0	233	non-Rad	Cadmium	7440-43-9	ug/kg	5/22/2008	52	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP94	0	233	non-Rad	Copper	7440-50-8	ug/kg	5/22/2008	9,550	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP94	0	233	non-Rad	Fluoride	16984-48-8	ug/kg	5/22/2008	424	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP94	0	233	non-Rad	Iron	7439-89-6	ug/kg	5/22/2008	1.47E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP94	0	233	non-Rad	Nitrate	14797-55-8	ug/kg	5/22/2008	69,300	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Cadmium	7440-43-9	ug/kg	5/22/2008	62	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Copper	7440-50-8	ug/kg	5/22/2008	8,950	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Fluoride	16984-48-8	ug/kg	5/22/2008	298	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Iron	7439-89-6	ug/kg	5/22/2008	1.09E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Nitrate	14797-55-8	ug/kg	5/22/2008	81,000	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Nitrite	14797-65-0	ug/kg	5/22/2008	1,610	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP91	0	225	non-Rad	Fluoride	16984-48-8	ug/kg	5/20/2008	805	--	--	150	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	299-E33-341	B1TP89	0	220	non-Rad	Fluoride	16984-48-8	ug/kg	5/20/2008	347	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP89	0	220	non-Rad	Nitrate	14797-55-8	ug/kg	5/20/2008	1,970	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP86	0	213	non-Rad	Fluoride	16984-48-8	ug/kg	5/16/2008	420	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP86	0	213	non-Rad	Nitrate	14797-55-8	ug/kg	5/16/2008	2,010	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP84	0	195	non-Rad	Fluoride	16984-48-8	ug/kg	5/16/2008	704	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP84	0	195	non-Rad	Nitrate	14797-55-8	ug/kg	5/16/2008	18,200	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP84	0	195	non-Rad	Nitrite	14797-65-0	ug/kg	5/16/2008	4,320	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Arsenic	7440-38-2	ug/kg	5/13/2008	1,460	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Cadmium	7440-43-9	ug/kg	5/13/2008	59	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Copper	7440-50-8	ug/kg	5/13/2008	8,050	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Fluoride	16984-48-8	ug/kg	5/13/2008	447	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Iron	7439-89-6	ug/kg	5/13/2008	1.32E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Nitrate	14797-55-8	ug/kg	5/13/2008	27,600	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP78	0	180	non-Rad	Fluoride	16984-48-8	ug/kg	5/13/2008	367	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP78	0	180	non-Rad	Nitrate	14797-55-8	ug/kg	5/13/2008	6,160	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP77	0	170	non-Rad	Fluoride	16984-48-8	ug/kg	5/13/2008	466	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP71	0	155	non-Rad	Fluoride	16984-48-8	ug/kg	5/12/2008	421	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP69	0	150	non-Rad	Arsenic	7440-38-2	ug/kg	5/9/2008	1,160	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP69	0	150	non-Rad	Cadmium	7440-43-9	ug/kg	5/9/2008	53	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP69	0	150	non-Rad	Copper	7440-50-8	ug/kg	5/9/2008	8,670	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP69	0	150	non-Rad	Fluoride	16984-48-8	ug/kg	5/9/2008	482	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP69	0	150	non-Rad	Iron	7439-89-6	ug/kg	5/9/2008	1.33E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Arsenic	7440-38-2	ug/kg	5/9/2008	1,250	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Cadmium	7440-43-9	ug/kg	5/9/2008	52	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Copper	7440-50-8	ug/kg	5/9/2008	8,190	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Fluoride	16984-48-8	ug/kg	5/9/2008	378	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Iron	7439-89-6	ug/kg	5/9/2008	1.32E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	48,200	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP64	0	138	non-Rad	Arsenic	7440-38-2	ug/kg	5/9/2008	1,250	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP64	0	138	non-Rad	Cadmium	7440-43-9	ug/kg	5/9/2008	52	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP64	0	138	non-Rad	Copper	7440-50-8	ug/kg	5/9/2008	8,690	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP64	0	138	non-Rad	Iron	7439-89-6	ug/kg	5/9/2008	1.29E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP64	0	138	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	1.03E+06	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP62	0	133	non-Rad	Arsenic	7440-38-2	ug/kg	5/9/2008	1,190	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP62	0	133	non-Rad	Cadmium	7440-43-9	ug/kg	5/9/2008	54	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP62	0	133	non-Rad	Copper	7440-50-8	ug/kg	5/9/2008	9,290	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP62	0	133	non-Rad	Iron	7439-89-6	ug/kg	5/9/2008	1.38E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP62	0	133	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	817,000	--	--	0	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Arsenic	7440-38-2	ug/kg	5/9/2008	1,770	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Cadmium	7440-43-9	ug/kg	5/9/2008	56	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Copper	7440-50-8	ug/kg	5/9/2008	7,170	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Iron	7439-89-6	ug/kg	5/9/2008	1.05E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	10,300	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Arsenic	7440-38-2	ug/kg	5/9/2008	1,640	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Cadmium	7440-43-9	ug/kg	5/9/2008	49	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Copper	7440-50-8	ug/kg	5/9/2008	8,360	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Fluoride	16984-48-8	ug/kg	5/9/2008	213	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Iron	7439-89-6	ug/kg	5/9/2008	1.21E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	7,840	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Arsenic	7440-38-2	ug/kg	5/8/2008	1,470	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Cadmium	7440-43-9	ug/kg	5/8/2008	53	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Copper	7440-50-8	ug/kg	5/8/2008	8,130	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Fluoride	16984-48-8	ug/kg	5/8/2008	233	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Iron	7439-89-6	ug/kg	5/8/2008	1.17E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Nitrate	14797-55-8	ug/kg	5/8/2008	188,000	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Arsenic	7440-38-2	ug/kg	5/8/2008	1,660	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Cadmium	7440-43-9	ug/kg	5/8/2008	54	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Copper	7440-50-8	ug/kg	5/8/2008	7,980	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Iron	7439-89-6	ug/kg	5/8/2008	1.22E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Nitrate	14797-55-8	ug/kg	5/8/2008	1.68E+06	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP52	0	108	non-Rad	Antimony	7440-36-0	ug/kg	5/8/2008	88	--	--	45	No
UPR-200-E-89	299-E33-341	B1TP52	0	108	non-Rad	Arsenic	7440-38-2	ug/kg	5/8/2008	1,600	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP52	0	108	non-Rad	Cadmium	7440-43-9	ug/kg	5/8/2008	54	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP52	0	108	non-Rad	Copper	7440-50-8	ug/kg	5/8/2008	8,400	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP52	0	108	non-Rad	Iron	7439-89-6	ug/kg	5/8/2008	1.21E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP52	0	108	non-Rad	Nitrate	14797-55-8	ug/kg	5/8/2008	1.16E+06	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Antimony	7440-36-0	ug/kg	5/8/2008	107	--	--	45	No
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Arsenic	7440-38-2	ug/kg	5/8/2008	2,720	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Cadmium	7440-43-9	ug/kg	5/8/2008	64	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP51	0	105	Rad	Cobalt-60	10198-40-0	pCi/g	5/8/2008	0.045	--	--	50	No
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Copper	7440-50-8	ug/kg	5/8/2008	8,690	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Cyanide	57-12-5	ug/kg	5/8/2008	1,660	--	--	9.9	No
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Iron	7439-89-6	ug/kg	5/8/2008	1.11E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Nitrate	14797-55-8	ug/kg	5/8/2008	6.36E+06	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Arsenic	7440-38-2	ug/kg	5/1/2008	1,910	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Cadmium	7440-43-9	ug/kg	5/1/2008	47	--	--	6.7	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Copper	7440-50-8	ug/kg	5/1/2008	8,090	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Iron	7439-89-6	ug/kg	5/1/2008	1.26E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	1.59E+06	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Arsenic	7440-38-2	ug/kg	5/1/2008	1,770	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Cadmium	7440-43-9	ug/kg	5/1/2008	50	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Copper	7440-50-8	ug/kg	5/1/2008	7,740	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Iron	7439-89-6	ug/kg	5/1/2008	1.22E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	20,000	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Arsenic	7440-38-2	ug/kg	5/1/2008	1,140	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Copper	7440-50-8	ug/kg	5/1/2008	7,680	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Cyanide	57-12-5	ug/kg	5/1/2008	386	--	--	9.9	No
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Iron	7439-89-6	ug/kg	5/1/2008	1.39E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	1.06E+06	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Antimony	7440-36-0	ug/kg	5/1/2008	114	--	--	45	No
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Arsenic	7440-38-2	ug/kg	5/1/2008	3,400	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Cadmium	7440-43-9	ug/kg	5/1/2008	66	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Copper	7440-50-8	ug/kg	5/1/2008	8,980	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Cyanide	57-12-5	ug/kg	5/1/2008	2,220	--	--	9.9	No
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Iron	7439-89-6	ug/kg	5/1/2008	1.10E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	36,100	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP42	0	83	non-Rad	Antimony	7440-36-0	ug/kg	5/1/2008	81	--	--	45	No
UPR-200-E-89	299-E33-341	B1TP42	0	83	non-Rad	Arsenic	7440-38-2	ug/kg	5/1/2008	2,360	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP42	0	83	non-Rad	Cadmium	7440-43-9	ug/kg	5/1/2008	54	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP42	0	83	non-Rad	Copper	7440-50-8	ug/kg	5/1/2008	6,930	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP42	0	83	non-Rad	Fluoride	16984-48-8	ug/kg	5/1/2008	268	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP42	0	83	non-Rad	Iron	7439-89-6	ug/kg	5/1/2008	9.08E+06	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP42	0	83	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	256,000	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP40	0	78	non-Rad	Antimony	7440-36-0	ug/kg	5/1/2008	489	--	--	45	No
UPR-200-E-89	299-E33-341	B1TP40	0	78	non-Rad	Arsenic	7440-38-2	ug/kg	5/1/2008	2,450	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP40	0	78	non-Rad	Cadmium	7440-43-9	ug/kg	5/1/2008	56	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP40	0	78	non-Rad	Copper	7440-50-8	ug/kg	5/1/2008	7,270	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP40	0	78	non-Rad	Fluoride	16984-48-8	ug/kg	5/1/2008	344	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP40	0	78	non-Rad	Iron	7439-89-6	ug/kg	5/1/2008	1.06E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP40	0	78	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	15,900	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Arsenic	7440-38-2	ug/kg	4/30/2008	2,170	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Cadmium	7440-43-9	ug/kg	4/30/2008	51	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Copper	7440-50-8	ug/kg	4/30/2008	7,470	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Fluoride	16984-48-8	ug/kg	4/30/2008	336	--	--	150	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Iron	7439-89-6	ug/kg	4/30/2008	1.05E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	13,200	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	1,450	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Cadmium	7440-43-9	ug/kg	4/29/2008	52	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	9,160	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Fluoride	16984-48-8	ug/kg	4/29/2008	539	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.41E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	40,100	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP29	0	33	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	934	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP29	0	33	non-Rad	Cadmium	7440-43-9	ug/kg	4/29/2008	58	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP29	0	33	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	8,760	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP29	0	33	non-Rad	Fluoride	16984-48-8	ug/kg	4/29/2008	614	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP29	0	33	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.43E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP29	0	33	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	18,900	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	997	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Cadmium	7440-43-9	ug/kg	4/29/2008	62	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP28	0	30	Rad	Cesium-137	10045-97-3	pCi/g	4/29/2008	0.31	--	--	50	No
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	8,310	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Fluoride	16984-48-8	ug/kg	4/29/2008	312	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.35E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	17,100	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	1,470	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP26	0	25	Rad	Cesium-137	10045-97-3	pCi/g	4/29/2008	0.51	--	--	50	No
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	9,390	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Fluoride	16984-48-8	ug/kg	4/29/2008	246	--	--	150	No
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.38E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	5,570	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	1,220	--	--	29	No
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Cadmium	7440-43-9	ug/kg	4/29/2008	49	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TP24	0	20	Rad	Cesium-137	10045-97-3	pCi/g	4/29/2008	598	--	--	50	No
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	7,240	--	--	22	No
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.02E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	14,700	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TP23	0	17	Rad	Cesium-137	10045-97-3	pCi/g	4/29/2008	1,598	--	--	50	No
UPR-200-E-89	299-E33-341	B1TP22	0	15	Rad	Cesium-137	10045-97-3	pCi/g	4/29/2008	15	1.1	Yes	50	No
UPR-200-E-89	299-E33-341	B1TNX1	0	203	non-Rad	Fluoride	16984-48-8	ug/kg	5/16/2008	453	--	--	150	No
UPR-200-E-89	299-E33-341	B1TNX1	0	203	non-Rad	Nitrate	14797-55-8	ug/kg	5/16/2008	6,120	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TNW5	0	53	non-Rad	Antimony	7440-36-0	ug/kg	4/30/2008	89	--	--	45	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	299-E33-341	B1TNW5	0	53	non-Rad	Arsenic	7440-38-2	ug/kg	4/30/2008	2,650	--	--	29	No
UPR-200-E-89	299-E33-341	B1TNW5	0	53	non-Rad	Cadmium	7440-43-9	ug/kg	4/30/2008	65	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TNW5	0	53	non-Rad	Copper	7440-50-8	ug/kg	4/30/2008	7,120	--	--	22	No
UPR-200-E-89	299-E33-341	B1TNW5	0	53	non-Rad	Iron	7439-89-6	ug/kg	4/30/2008	1.02E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TNW5	0	53	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	14,500	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TNW3	0	48	non-Rad	Arsenic	7440-38-2	ug/kg	4/30/2008	1,610	--	--	29	No
UPR-200-E-89	299-E33-341	B1TNW3	0	48	non-Rad	Cadmium	7440-43-9	ug/kg	4/30/2008	49	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TNW3	0	48	non-Rad	Copper	7440-50-8	ug/kg	4/30/2008	8,260	--	--	22	No
UPR-200-E-89	299-E33-341	B1TNW3	0	48	non-Rad	Iron	7439-89-6	ug/kg	4/30/2008	1.29E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TNW3	0	48	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	864,000	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TNW1	0	43	non-Rad	Arsenic	7440-38-2	ug/kg	4/30/2008	2,320	--	--	29	No
UPR-200-E-89	299-E33-341	B1TNW1	0	43	non-Rad	Cadmium	7440-43-9	ug/kg	4/30/2008	63	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TNW1	0	43	Rad	Cobalt-60	10198-40-0	pCi/g	4/30/2008	0.20	--	--	50	No
UPR-200-E-89	299-E33-341	B1TNW1	0	43	non-Rad	Copper	7440-50-8	ug/kg	4/30/2008	7,790	--	--	22	No
UPR-200-E-89	299-E33-341	B1TNW1	0	43	non-Rad	Cyanide	57-12-5	ug/kg	4/30/2008	580	--	--	9.9	No
UPR-200-E-89	299-E33-341	B1TNW1	0	43	non-Rad	Iron	7439-89-6	ug/kg	4/30/2008	1.14E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TNW1	0	43	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	6.97E+06	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Arsenic	7440-38-2	ug/kg	4/30/2008	1,100	--	--	29	No
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Cadmium	7440-43-9	ug/kg	4/30/2008	49	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TNW0	0	40	Rad	Cobalt-60	10198-40-0	pCi/g	4/30/2008	0.088	--	--	50	No
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Copper	7440-50-8	ug/kg	4/30/2008	7,530	--	--	22	No
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Iron	7439-89-6	ug/kg	4/30/2008	1.16E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	4.12E+06	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TNV9	0	38	non-Rad	Antimony	7440-36-0	ug/kg	4/29/2008	102	--	--	45	No
UPR-200-E-89	299-E33-341	B1TNV9	0	38	non-Rad	Arsenic	7440-38-2	ug/kg	4/29/2008	1,860	--	--	29	No
UPR-200-E-89	299-E33-341	B1TNV9	0	38	non-Rad	Cadmium	7440-43-9	ug/kg	4/29/2008	48	--	--	6.7	No
UPR-200-E-89	299-E33-341	B1TNV9	0	38	non-Rad	Copper	7440-50-8	ug/kg	4/29/2008	7,860	--	--	22	No
UPR-200-E-89	299-E33-341	B1TNV9	0	38	non-Rad	Iron	7439-89-6	ug/kg	4/29/2008	1.19E+07	--	--	25	No
UPR-200-E-89	299-E33-341	B1TNV9	0	38	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	532,000	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TNT2	228	230	Rad	Americium-241	14596-10-2	pCi/g	5/22/2008	0.11	--	--	200	No
UPR-200-E-89	299-E33-341	B1TNT2	228	230	Rad	Cesium-137	10045-97-3	pCi/g	5/22/2008	0.0097	--	--	50	No
UPR-200-E-89	299-E33-341	B1TNT2	228	230	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	5/22/2008	25,200	--	--	0	Yes
UPR-200-E-89	299-E33-341	B1TNT2	228	230	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/22/2008	0.019	--	--	200	No
UPR-200-E-89	299-E33-341	B1TNT2	228	230	Rad	Technetium-99	14133-76-7	pCi/g	5/22/2008	3.0	--	--	0	Yes
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Aluminum	7429-90-5	ug/kg	1/6/2011	1.26E+07	--	--	1,500	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Antimony	7440-36-0	ug/kg	1/6/2011	507	--	--	45	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Arsenic	7440-38-2	ug/kg	1/6/2011	9,360	--	--	29	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Barium	7440-39-3	ug/kg	1/6/2011	100,000	--	--	41	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Beryllium	7440-41-7	ug/kg	1/6/2011	391	--	--	790	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Cadmium	7440-43-9	ug/kg	1/6/2011	142	--	--	6.7	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Cobalt	7440-48-4	ug/kg	1/6/2011	11,200	--	--	45	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Copper	7440-50-8	ug/kg	1/6/2011	20,800	--	--	22	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Fluoride	16984-48-8	ug/kg	1/6/2011	840	--	--	150	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Iron	7439-89-6	ug/kg	1/6/2011	2.17E+07	--	--	25	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Lithium	7439-93-2	ug/kg	1/6/2011	14,100	--	--	300	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Manganese	7439-96-5	ug/kg	1/6/2011	459,000	--	--	65	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Nickel	7440-02-0	ug/kg	1/6/2011	22,500	--	--	65	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Nitrate	14797-55-8	ug/kg	1/6/2011	45,300	--	--	0	Yes
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Nitrite	14797-65-0	ug/kg	1/6/2011	1,070	--	--	0	Yes
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Silver	7440-22-4	ug/kg	1/6/2011	70	--	--	8.3	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Strontium	7440-24-6	ug/kg	1/6/2011	37,600	--	--	35	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Thallium	7440-28-0	ug/kg	1/6/2011	167	--	--	71	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Tin	7440-31-5	ug/kg	1/6/2011	3,910	--	--	250	No
UPR-200-E-89	C8132	B29J34	184	186	Rad	Tritium	10028-17-8	pCi/g	1/6/2011	2.9	--	--	0	Yes
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Vanadium	7440-62-2	ug/kg	1/6/2011	41,100	--	--	1,000	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Zinc	7440-66-6	ug/kg	1/6/2011	51,800	--	--	62	No
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Zirconium	7440-67-7	ug/kg	1/6/2011	3,920	--	--	3,000	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Aluminum	7429-90-5	ug/kg	1/5/2011	7.60E+06	--	--	1,500	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Antimony	7440-36-0	ug/kg	1/5/2011	275	--	--	45	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Arsenic	7440-38-2	ug/kg	1/5/2011	4,120	--	--	29	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Barium	7440-39-3	ug/kg	1/5/2011	64,400	--	--	41	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Beryllium	7440-41-7	ug/kg	1/5/2011	217	--	--	790	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Cadmium	7440-43-9	ug/kg	1/5/2011	77	--	--	6.7	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Cobalt	7440-48-4	ug/kg	1/5/2011	8,560	--	--	45	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Copper	7440-50-8	ug/kg	1/5/2011	12,000	--	--	22	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Fluoride	16984-48-8	ug/kg	1/5/2011	827	--	--	150	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Iron	7439-89-6	ug/kg	1/5/2011	1.70E+07	--	--	25	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Lithium	7439-93-2	ug/kg	1/5/2011	10,000	--	--	300	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Manganese	7439-96-5	ug/kg	1/5/2011	299,000	--	--	65	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Nickel	7440-02-0	ug/kg	1/5/2011	19,900	--	--	65	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Nitrate	14797-55-8	ug/kg	1/5/2011	11,300	--	--	0	Yes
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Nitrite	14797-65-0	ug/kg	1/5/2011	428	--	--	0	Yes
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Silver	7440-22-4	ug/kg	1/5/2011	56	--	--	8.3	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Strontium	7440-24-6	ug/kg	1/5/2011	29,300	--	--	35	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Thallium	7440-28-0	ug/kg	1/5/2011	99	--	--	71	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Vanadium	7440-62-2	ug/kg	1/5/2011	35,400	--	--	1,000	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Zinc	7440-66-6	ug/kg	1/5/2011	37,600	--	--	62	No
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Zirconium	7440-67-7	ug/kg	1/5/2011	7,350	--	--	3,000	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Aluminum	7429-90-5	ug/kg	1/4/2011	7.09E+06	--	--	1,500	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Antimony	7440-36-0	ug/kg	1/4/2011	208	--	--	45	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Arsenic	7440-38-2	ug/kg	1/4/2011	3,820	--	--	29	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Barium	7440-39-3	ug/kg	1/4/2011	59,900	--	--	41	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Beryllium	7440-41-7	ug/kg	1/4/2011	164	--	--	790	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Cadmium	7440-43-9	ug/kg	1/4/2011	76	--	--	6.7	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Cobalt	7440-48-4	ug/kg	1/4/2011	7,480	--	--	45	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Copper	7440-50-8	ug/kg	1/4/2011	10,800	--	--	22	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Fluoride	16984-48-8	ug/kg	1/4/2011	1,020	--	--	150	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Iron	7439-89-6	ug/kg	1/4/2011	1.68E+07	--	--	25	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Lithium	7439-93-2	ug/kg	1/4/2011	9,290	--	--	300	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Manganese	7439-96-5	ug/kg	1/4/2011	293,000	--	--	65	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Nickel	7440-02-0	ug/kg	1/4/2011	26,300	--	--	65	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Nitrate	14797-55-8	ug/kg	1/4/2011	5,110	--	--	0	Yes
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Nitrite	14797-65-0	ug/kg	1/4/2011	1,180	--	--	0	Yes
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Silver	7440-22-4	ug/kg	1/4/2011	50	--	--	8.3	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Strontium	7440-24-6	ug/kg	1/4/2011	27,400	--	--	35	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Thallium	7440-28-0	ug/kg	1/4/2011	86	--	--	71	No
UPR-200-E-89	C8132	B29J32	93	95	Rad	Tritium	10028-17-8	pCi/g	1/4/2011	2.8	--	--	0	Yes
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Vanadium	7440-62-2	ug/kg	1/4/2011	34,300	--	--	1,000	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Zinc	7440-66-6	ug/kg	1/4/2011	33,600	--	--	62	No
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Zirconium	7440-67-7	ug/kg	1/4/2011	4,920	--	--	3,000	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Aluminum	7429-90-5	ug/kg	3/16/2011	8.19E+06	--	--	1,500	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Antimony	7440-36-0	ug/kg	3/16/2011	310	--	--	45	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Arsenic	7440-38-2	ug/kg	3/16/2011	4,080	--	--	29	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Barium	7440-39-3	ug/kg	3/16/2011	60,800	--	--	41	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Beryllium	7440-41-7	ug/kg	3/16/2011	196	--	--	790	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Cadmium	7440-43-9	ug/kg	3/16/2011	88	--	--	6.7	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Cobalt	7440-48-4	ug/kg	3/16/2011	6,380	--	--	45	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Copper	7440-50-8	ug/kg	3/16/2011	13,500	--	--	22	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Fluoride	16984-48-8	ug/kg	3/16/2011	568	--	--	150	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Iron	7439-89-6	ug/kg	3/16/2011	1.45E+07	--	--	25	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Lithium	7439-93-2	ug/kg	3/16/2011	9,670	--	--	300	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Manganese	7439-96-5	ug/kg	3/16/2011	300,000	--	--	65	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Molybdenum	7439-98-7	ug/kg	3/16/2011	1,400	--	--	20	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Nickel	7440-02-0	ug/kg	3/16/2011	20,600	--	--	65	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Nitrate	14797-55-8	ug/kg	3/16/2011	59,400	--	--	0	Yes
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Nitrite	14797-65-0	ug/kg	3/16/2011	283	--	--	0	Yes
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Silver	7440-22-4	ug/kg	3/16/2011	52	--	--	8.3	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Strontium	7440-24-6	ug/kg	3/16/2011	39,100	--	--	35	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Thallium	7440-28-0	ug/kg	3/16/2011	82	--	--	71	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Tin	7440-31-5	ug/kg	3/16/2011	3,570	--	--	250	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Vanadium	7440-62-2	ug/kg	3/16/2011	30,900	--	--	1,000	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Zinc	7440-66-6	ug/kg	3/16/2011	34,600	--	--	62	No
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Zirconium	7440-67-7	ug/kg	3/16/2011	4,590	--	--	3,000	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Aluminum	7429-90-5	ug/kg	3/15/2011	8.63E+06	--	--	1,500	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Antimony	7440-36-0	ug/kg	3/15/2011	305	--	--	45	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Arsenic	7440-38-2	ug/kg	3/15/2011	4,730	--	--	29	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Barium	7440-39-3	ug/kg	3/15/2011	66,000	--	--	41	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Beryllium	7440-41-7	ug/kg	3/15/2011	224	--	--	790	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Boron	7440-42-8	ug/kg	3/15/2011	2,250	--	--	3.0	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Cadmium	7440-43-9	ug/kg	3/15/2011	86	--	--	6.7	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Cobalt	7440-48-4	ug/kg	3/15/2011	7,020	--	--	45	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Copper	7440-50-8	ug/kg	3/15/2011	12,000	--	--	22	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Fluoride	16984-48-8	ug/kg	3/15/2011	918	--	--	150	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Iron	7439-89-6	ug/kg	3/15/2011	1.54E+07	--	--	25	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Lithium	7439-93-2	ug/kg	3/15/2011	11,300	--	--	300	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Manganese	7439-96-5	ug/kg	3/15/2011	300,000	--	--	65	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Mercury	7439-97-6	ug/kg	3/15/2011	14	--	--	52	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Molybdenum	7439-98-7	ug/kg	3/15/2011	1,210	--	--	20	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Nickel	7440-02-0	ug/kg	3/15/2011	24,700	--	--	65	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Nitrate	14797-55-8	ug/kg	3/15/2011	39,400	--	--	0	Yes
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Nitrite	14797-65-0	ug/kg	3/15/2011	5,750	--	--	0	Yes
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Silver	7440-22-4	ug/kg	3/15/2011	53	--	--	8.3	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Strontium	7440-24-6	ug/kg	3/15/2011	32,700	--	--	35	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Thallium	7440-28-0	ug/kg	3/15/2011	103	--	--	71	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Vanadium	7440-62-2	ug/kg	3/15/2011	30,500	--	--	1,000	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Zinc	7440-66-6	ug/kg	3/15/2011	36,900	--	--	62	No
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Zirconium	7440-67-7	ug/kg	3/15/2011	4,790	--	--	3,000	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Aluminum	7429-90-5	ug/kg	3/11/2011	6.94E+06	--	--	1,500	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Antimony	7440-36-0	ug/kg	3/11/2011	118	--	--	45	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Arsenic	7440-38-2	ug/kg	3/11/2011	6,000	--	--	29	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Barium	7440-39-3	ug/kg	3/11/2011	51,300	--	--	41	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Beryllium	7440-41-7	ug/kg	3/11/2011	183	--	--	790	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Boron	7440-42-8	ug/kg	3/11/2011	1,750	--	--	3.0	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Cadmium	7440-43-9	ug/kg	3/11/2011	84	--	--	6.7	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Cobalt	7440-48-4	ug/kg	3/11/2011	6,240	--	--	45	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Copper	7440-50-8	ug/kg	3/11/2011	10,400	--	--	22	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Fluoride	16984-48-8	ug/kg	3/11/2011	454	--	--	150	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Iron	7439-89-6	ug/kg	3/11/2011	1.64E+07	--	--	25	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Lithium	7439-93-2	ug/kg	3/11/2011	9,060	--	--	300	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Manganese	7439-96-5	ug/kg	3/11/2011	269,000	--	--	65	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Molybdenum	7439-98-7	ug/kg	3/11/2011	1,580	--	--	20	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Nickel	7440-02-0	ug/kg	3/11/2011	20,400	--	--	65	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Nitrate	14797-55-8	ug/kg	3/11/2011	2,490	--	--	0	Yes
UPR-200-E-89	C8134	B29J35	57	59	Rad	Selenium-79	15758-45-9	pCi/g	3/11/2011	1.2	--	--	5.0	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Silver	7440-22-4	ug/kg	3/11/2011	61	--	--	8.3	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Strontium	7440-24-6	ug/kg	3/11/2011	28,200	--	--	35	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Thallium	7440-28-0	ug/kg	3/11/2011	79	--	--	71	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Tin	7440-31-5	ug/kg	3/11/2011	3,130	--	--	250	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Vanadium	7440-62-2	ug/kg	3/11/2011	33,900	--	--	1,000	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Zinc	7440-66-6	ug/kg	3/11/2011	36,300	--	--	62	No
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Zirconium	7440-67-7	ug/kg	3/11/2011	9,000	--	--	3,000	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Aluminum	7429-90-5	ug/kg	2/10/2011	1.28E+07	--	--	1,500	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Antimony	7440-36-0	ug/kg	2/10/2011	524	--	--	45	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Arsenic	7440-38-2	ug/kg	2/10/2011	7,650	--	--	29	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Barium	7440-39-3	ug/kg	2/10/2011	101,000	--	--	41	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Beryllium	7440-41-7	ug/kg	2/10/2011	443	--	--	790	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Boron	7440-42-8	ug/kg	2/10/2011	2,490	--	--	3.0	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Cadmium	7440-43-9	ug/kg	2/10/2011	114	--	--	6.7	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Cobalt	7440-48-4	ug/kg	2/10/2011	8,090	--	--	45	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Copper	7440-50-8	ug/kg	2/10/2011	15,000	--	--	22	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Fluoride	16984-48-8	ug/kg	2/10/2011	1,330	--	--	150	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Iron	7439-89-6	ug/kg	2/10/2011	1.83E+07	--	--	25	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Lithium	7439-93-2	ug/kg	2/10/2011	14,700	--	--	300	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Manganese	7439-96-5	ug/kg	2/10/2011	360,000	--	--	65	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Nickel	7440-02-0	ug/kg	2/10/2011	15,100	--	--	65	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Nitrate	14797-55-8	ug/kg	2/10/2011	89,200	--	--	0	Yes
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Nitrite	14797-65-0	ug/kg	2/10/2011	1,600	--	--	0	Yes
UPR-200-E-89	C8136	B2BDT0	186	188	Rad	Selenium-79	15758-45-9	pCi/g	2/10/2011	2.1	--	--	5.0	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Silver	7440-22-4	ug/kg	2/10/2011	69	--	--	8.3	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Strontium	7440-24-6	ug/kg	2/10/2011	33,500	--	--	35	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Thallium	7440-28-0	ug/kg	2/10/2011	184	--	--	71	No
UPR-200-E-89	C8136	B2BDT0	186	188	Rad	Tritium	10028-17-8	pCi/g	2/10/2011	3.1	--	--	0	Yes
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Vanadium	7440-62-2	ug/kg	2/10/2011	32,000	--	--	1,000	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Zinc	7440-66-6	ug/kg	2/10/2011	46,400	--	--	62	No
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Zirconium	7440-67-7	ug/kg	2/10/2011	7,620	--	--	3,000	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Aluminum	7429-90-5	ug/kg	2/9/2011	9.06E+06	--	--	1,500	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Antimony	7440-36-0	ug/kg	2/9/2011	291	--	--	45	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Arsenic	7440-38-2	ug/kg	2/9/2011	4,820	--	--	29	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Barium	7440-39-3	ug/kg	2/9/2011	65,000	--	--	41	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Beryllium	7440-41-7	ug/kg	2/9/2011	219	--	--	790	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Boron	7440-42-8	ug/kg	2/9/2011	1,710	--	--	3.0	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Cadmium	7440-43-9	ug/kg	2/9/2011	112	--	--	6.7	No
UPR-200-E-89	C8136	B29J40	169	171	Rad	Carbon-14	14762-75-5	pCi/g	2/9/2011	2.9	--	--	0	Yes
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Cobalt	7440-48-4	ug/kg	2/9/2011	6,970	--	--	45	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Copper	7440-50-8	ug/kg	2/9/2011	13,400	--	--	22	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Fluoride	16984-48-8	ug/kg	2/9/2011	922	--	--	150	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Iron	7439-89-6	ug/kg	2/9/2011	1.51E+07	--	--	25	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Lithium	7439-93-2	ug/kg	2/9/2011	11,300	--	--	300	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Manganese	7439-96-5	ug/kg	2/9/2011	299,000	--	--	65	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Molybdenum	7439-98-7	ug/kg	2/9/2011	1,480	--	--	20	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Nickel	7440-02-0	ug/kg	2/9/2011	19,200	--	--	65	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Nitrate	14797-55-8	ug/kg	2/9/2011	51,300	--	--	0	Yes
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Nitrite	14797-65-0	ug/kg	2/9/2011	842	--	--	0	Yes
UPR-200-E-89	C8136	B29J40	169	171	Rad	Selenium-79	15758-45-9	pCi/g	2/9/2011	2.4	--	--	5.0	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Silver	7440-22-4	ug/kg	2/9/2011	54	--	--	8.3	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Strontium	7440-24-6	ug/kg	2/9/2011	35,600	--	--	35	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Thallium	7440-28-0	ug/kg	2/9/2011	115	--	--	71	No
UPR-200-E-89	C8136	B29J40	169	171	Rad	Tritium	10028-17-8	pCi/g	2/9/2011	3.1	--	--	0	Yes
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Vanadium	7440-62-2	ug/kg	2/9/2011	32,300	--	--	1,000	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Zinc	7440-66-6	ug/kg	2/9/2011	36,000	--	--	62	No
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Zirconium	7440-67-7	ug/kg	2/9/2011	4,010	--	--	3,000	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Aluminum	7429-90-5	ug/kg	2/2/2011	7.66E+06	--	--	1,500	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Antimony	7440-36-0	ug/kg	2/2/2011	226	--	--	45	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Arsenic	7440-38-2	ug/kg	2/2/2011	3,570	--	--	29	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Barium	7440-39-3	ug/kg	2/2/2011	62,100	--	--	41	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Beryllium	7440-41-7	ug/kg	2/2/2011	184	--	--	790	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Boron	7440-42-8	ug/kg	2/2/2011	1,540	--	--	3.0	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Cadmium	7440-43-9	ug/kg	2/2/2011	78	--	--	6.7	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Cobalt	7440-48-4	ug/kg	2/2/2011	6,320	--	--	45	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Copper	7440-50-8	ug/kg	2/2/2011	11,000	--	--	22	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Fluoride	16984-48-8	ug/kg	2/2/2011	1,090	--	--	150	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Iron	7439-89-6	ug/kg	2/2/2011	1.47E+07	--	--	25	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Lithium	7439-93-2	ug/kg	2/2/2011	10,400	--	--	300	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Manganese	7439-96-5	ug/kg	2/2/2011	282,000	--	--	65	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Nickel	7440-02-0	ug/kg	2/2/2011	17,700	--	--	65	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Nitrate	14797-55-8	ug/kg	2/2/2011	7,710	--	--	0	Yes
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Nitrite	14797-65-0	ug/kg	2/2/2011	466	--	--	0	Yes
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Silver	7440-22-4	ug/kg	2/2/2011	66	--	--	8.3	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Strontium	7440-24-6	ug/kg	2/2/2011	31,500	--	--	35	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Thallium	7440-28-0	ug/kg	2/2/2011	93	--	--	71	No
UPR-200-E-89	C8136	B29J39	98	100	Rad	Tritium	10028-17-8	pCi/g	2/2/2011	2.9	--	--	0	Yes
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Vanadium	7440-62-2	ug/kg	2/2/2011	30,100	--	--	1,000	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Zinc	7440-66-6	ug/kg	2/2/2011	33,000	--	--	62	No
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Zirconium	7440-67-7	ug/kg	2/2/2011	4,560	--	--	3,000	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Aluminum	7429-90-5	ug/kg	2/1/2011	6.41E+06	--	--	1,500	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Antimony	7440-36-0	ug/kg	2/1/2011	206	--	--	45	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Arsenic	7440-38-2	ug/kg	2/1/2011	3,360	--	--	29	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Barium	7440-39-3	ug/kg	2/1/2011	58,800	--	--	41	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Beryllium	7440-41-7	ug/kg	2/1/2011	152	--	--	790	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Boron	7440-42-8	ug/kg	2/1/2011	2,210	--	--	3.0	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Cadmium	7440-43-9	ug/kg	2/1/2011	69	--	--	6.7	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Cobalt	7440-48-4	ug/kg	2/1/2011	5,570	--	--	45	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Copper	7440-50-8	ug/kg	2/1/2011	11,000	--	--	22	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Fluoride	16984-48-8	ug/kg	2/1/2011	1,250	--	--	150	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Iron	7439-89-6	ug/kg	2/1/2011	1.55E+07	--	--	25	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Lithium	7439-93-2	ug/kg	2/1/2011	8,160	--	--	300	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Manganese	7439-96-5	ug/kg	2/1/2011	241,000	--	--	65	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Molybdenum	7439-98-7	ug/kg	2/1/2011	1,130	--	--	20	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Nickel	7440-02-0	ug/kg	2/1/2011	12,100	--	--	65	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Nitrate	14797-55-8	ug/kg	2/1/2011	10,900	--	--	0	Yes
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Nitrite	14797-65-0	ug/kg	2/1/2011	968	--	--	0	Yes
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Silver	7440-22-4	ug/kg	2/1/2011	39	--	--	8.3	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Strontium	7440-24-6	ug/kg	2/1/2011	34,100	--	--	35	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Thallium	7440-28-0	ug/kg	2/1/2011	79	--	--	71	No
UPR-200-E-89	C8136	B29J38	48	50	Rad	Tritium	10028-17-8	pCi/g	2/1/2011	2.3	--	--	0	Yes
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Vanadium	7440-62-2	ug/kg	2/1/2011	34,100	--	--	1,000	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Zinc	7440-66-6	ug/kg	2/1/2011	31,700	--	--	62	No
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Zirconium	7440-67-7	ug/kg	2/1/2011	8,260	--	--	3,000	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Aluminum	7429-90-5	ug/kg	3/30/2011	7.72E+06	--	--	1,500	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Antimony	7440-36-0	ug/kg	3/30/2011	373	--	--	45	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Arsenic	7440-38-2	ug/kg	3/30/2011	14,600	--	--	29	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Barium	7440-39-3	ug/kg	3/30/2011	67,900	--	--	41	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Beryllium	7440-41-7	ug/kg	3/30/2011	218	--	--	790	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Boron	7440-42-8	ug/kg	3/30/2011	3,170	--	--	3.0	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Cadmium	7440-43-9	ug/kg	3/30/2011	90	--	--	6.7	No
UPR-200-E-89	C8138	B2BH80	175	177	Rad	Carbon-14	14762-75-5	pCi/g	3/30/2011	3.5	--	--	0	Yes
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Cobalt	7440-48-4	ug/kg	3/30/2011	6,060	--	--	45	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Copper	7440-50-8	ug/kg	3/30/2011	11,100	--	--	22	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Fluoride	16984-48-8	ug/kg	3/30/2011	970	--	--	150	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Iron	7439-89-6	ug/kg	3/30/2011	1.59E+07	--	--	25	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Lithium	7439-93-2	ug/kg	3/30/2011	10,700	--	--	300	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Manganese	7439-96-5	ug/kg	3/30/2011	269,000	--	--	65	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Nickel	7440-02-0	ug/kg	3/30/2011	13,100	--	--	65	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Nitrate	14797-55-8	ug/kg	3/30/2011	66,200	--	--	0	Yes
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Nitrite	14797-65-0	ug/kg	3/30/2011	1,050	--	--	0	Yes
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Silver	7440-22-4	ug/kg	3/30/2011	61	--	--	8.3	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Strontium	7440-24-6	ug/kg	3/30/2011	29,200	--	--	35	No
UPR-200-E-89	C8138	B2BH80	175	177	Rad	Strontium-90	10098-97-2	pCi/g	3/30/2011	0.16	--	--	25	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Thallium	7440-28-0	ug/kg	3/30/2011	102	--	--	71	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Vanadium	7440-62-2	ug/kg	3/30/2011	30,500	--	--	1,000	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Zinc	7440-66-6	ug/kg	3/30/2011	36,400	--	--	62	No
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Zirconium	7440-67-7	ug/kg	3/30/2011	6,920	--	--	3,000	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Aluminum	7429-90-5	ug/kg	3/28/2011	8.23E+06	--	--	1,500	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Antimony	7440-36-0	ug/kg	3/28/2011	298	--	--	45	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Arsenic	7440-38-2	ug/kg	3/28/2011	4,420	--	--	29	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Barium	7440-39-3	ug/kg	3/28/2011	63,400	--	--	41	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Beryllium	7440-41-7	ug/kg	3/28/2011	165	--	--	790	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Boron	7440-42-8	ug/kg	3/28/2011	3,320	--	--	3.0	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Cadmium	7440-43-9	ug/kg	3/28/2011	111	--	--	6.7	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Cobalt	7440-48-4	ug/kg	3/28/2011	7,320	--	--	45	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Copper	7440-50-8	ug/kg	3/28/2011	14,500	--	--	22	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Fluoride	16984-48-8	ug/kg	3/28/2011	1,010	--	--	150	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Iron	7439-89-6	ug/kg	3/28/2011	1.77E+07	--	--	25	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Lithium	7439-93-2	ug/kg	3/28/2011	10,100	--	--	300	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Manganese	7439-96-5	ug/kg	3/28/2011	317,000	--	--	65	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Molybdenum	7439-98-7	ug/kg	3/28/2011	2,170	--	--	20	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Nickel	7440-02-0	ug/kg	3/28/2011	22,400	--	--	65	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Nitrate	14797-55-8	ug/kg	3/28/2011	11,300	--	--	0	Yes
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Nitrite	14797-65-0	ug/kg	3/28/2011	837	--	--	0	Yes
UPR-200-E-89	C8138	B29J43	163	165	Rad	Selenium-79	15758-45-9	pCi/g	3/28/2011	1.2	--	--	5.0	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Silver	7440-22-4	ug/kg	3/28/2011	59	--	--	8.3	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Strontium	7440-24-6	ug/kg	3/28/2011	38,500	--	--	35	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Thallium	7440-28-0	ug/kg	3/28/2011	84	--	--	71	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Vanadium	7440-62-2	ug/kg	3/28/2011	39,400	--	--	1,000	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Zinc	7440-66-6	ug/kg	3/28/2011	36,800	--	--	62	No
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Zirconium	7440-67-7	ug/kg	3/28/2011	6,440	--	--	3,000	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Aluminum	7429-90-5	ug/kg	3/25/2011	7.63E+06	--	--	1,500	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Antimony	7440-36-0	ug/kg	3/25/2011	268	--	--	45	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Arsenic	7440-38-2	ug/kg	3/25/2011	4,070	--	--	29	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Barium	7440-39-3	ug/kg	3/25/2011	61,500	--	--	41	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Beryllium	7440-41-7	ug/kg	3/25/2011	173	--	--	790	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Cadmium	7440-43-9	ug/kg	3/25/2011	81	--	--	6.7	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Cobalt	7440-48-4	ug/kg	3/25/2011	6,430	--	--	45	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Copper	7440-50-8	ug/kg	3/25/2011	11,300	--	--	22	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Fluoride	16984-48-8	ug/kg	3/25/2011	843	--	--	150	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Iron	7439-89-6	ug/kg	3/25/2011	1.70E+07	--	--	25	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Lithium	7439-93-2	ug/kg	3/25/2011	10,200	--	--	300	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Manganese	7439-96-5	ug/kg	3/25/2011	296,000	--	--	65	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Nickel	7440-02-0	ug/kg	3/25/2011	18,100	--	--	65	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Nitrate	14797-55-8	ug/kg	3/25/2011	208,000	--	--	0	Yes
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Nitrite	14797-65-0	ug/kg	3/25/2011	1,240	--	--	0	Yes
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Silver	7440-22-4	ug/kg	3/25/2011	57	--	--	8.3	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Strontium	7440-24-6	ug/kg	3/25/2011	28,800	--	--	35	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Thallium	7440-28-0	ug/kg	3/25/2011	77	--	--	71	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Vanadium	7440-62-2	ug/kg	3/25/2011	35,700	--	--	1,000	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Zinc	7440-66-6	ug/kg	3/25/2011	35,600	--	--	62	No
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Zirconium	7440-67-7	ug/kg	3/25/2011	6,960	--	--	3,000	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Aluminum	7429-90-5	ug/kg	3/23/2011	6.05E+06	--	--	1,500	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Antimony	7440-36-0	ug/kg	3/23/2011	187	--	--	45	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Arsenic	7440-38-2	ug/kg	3/23/2011	2,780	--	--	29	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Barium	7440-39-3	ug/kg	3/23/2011	54,600	--	--	41	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Beryllium	7440-41-7	ug/kg	3/23/2011	114	--	--	790	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Cadmium	7440-43-9	ug/kg	3/23/2011	69	--	--	6.7	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Cobalt	7440-48-4	ug/kg	3/23/2011	5,980	--	--	45	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Copper	7440-50-8	ug/kg	3/23/2011	10,400	--	--	22	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Fluoride	16984-48-8	ug/kg	3/23/2011	2,090	--	--	150	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Iron	7439-89-6	ug/kg	3/23/2011	1.64E+07	--	--	25	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Lithium	7439-93-2	ug/kg	3/23/2011	7,160	--	--	300	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Manganese	7439-96-5	ug/kg	3/23/2011	229,000	--	--	65	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Nickel	7440-02-0	ug/kg	3/23/2011	7,740	--	--	65	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Nitrate	14797-55-8	ug/kg	3/23/2011	5,850	--	--	0	Yes
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Nitrite	14797-65-0	ug/kg	3/23/2011	491	--	--	0	Yes
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Silver	7440-22-4	ug/kg	3/23/2011	51	--	--	8.3	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Strontium	7440-24-6	ug/kg	3/23/2011	25,900	--	--	35	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Thallium	7440-28-0	ug/kg	3/23/2011	66	--	--	71	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Vanadium	7440-62-2	ug/kg	3/23/2011	37,800	--	--	1,000	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Zinc	7440-66-6	ug/kg	3/23/2011	33,300	--	--	62	No
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Zirconium	7440-67-7	ug/kg	3/23/2011	10,700	--	--	3,000	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Aluminum	7429-90-5	ug/kg	3/3/2011	7.93E+06	--	--	1,500	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Antimony	7440-36-0	ug/kg	3/3/2011	212	--	--	45	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Arsenic	7440-38-2	ug/kg	3/3/2011	3,310	--	--	29	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Barium	7440-39-3	ug/kg	3/3/2011	81,000	--	--	41	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Beryllium	7440-41-7	ug/kg	3/3/2011	180	--	--	790	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Boron	7440-42-8	ug/kg	3/3/2011	3,070	--	--	3.0	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Cadmium	7440-43-9	ug/kg	3/3/2011	71	--	--	6.7	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Cobalt	7440-48-4	ug/kg	3/3/2011	5,000	--	--	45	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Copper	7440-50-8	ug/kg	3/3/2011	10,600	--	--	22	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Fluoride	16984-48-8	ug/kg	3/3/2011	697	--	--	150	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Iron	7439-89-6	ug/kg	3/3/2011	1.61E+07	--	--	25	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Lithium	7439-93-2	ug/kg	3/3/2011	10,500	--	--	300	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Manganese	7439-96-5	ug/kg	3/3/2011	280,000	--	--	65	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Nickel	7440-02-0	ug/kg	3/3/2011	16,800	--	--	65	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Nitrate	14797-55-8	ug/kg	3/3/2011	33,400	--	--	0	Yes
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Nitrite	14797-65-0	ug/kg	3/3/2011	1,030	--	--	0	Yes
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Silver	7440-22-4	ug/kg	3/3/2011	55	--	--	8.3	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Strontium	7440-24-6	ug/kg	3/3/2011	31,100	--	--	35	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Thallium	7440-28-0	ug/kg	3/3/2011	85	--	--	71	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Vanadium	7440-62-2	ug/kg	3/3/2011	34,700	--	--	1,000	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Zinc	7440-66-6	ug/kg	3/3/2011	34,600	--	--	62	No
UPR-200-E-89	C8140	B29J65	179	181	non-Rad	Zirconium	7440-67-7	ug/kg	3/3/2011	7,810	--	--	3,000	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Aluminum	7429-90-5	ug/kg	3/2/2011	8.87E+06	--	--	1,500	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Antimony	7440-36-0	ug/kg	3/2/2011	303	--	--	45	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Arsenic	7440-38-2	ug/kg	3/2/2011	4,040	--	--	29	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Barium	7440-39-3	ug/kg	3/2/2011	73,600	--	--	41	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Beryllium	7440-41-7	ug/kg	3/2/2011	176	--	--	790	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Boron	7440-42-8	ug/kg	3/2/2011	4,140	--	--	3.0	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Cadmium	7440-43-9	ug/kg	3/2/2011	122	--	--	6.7	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Cobalt	7440-48-4	ug/kg	3/2/2011	6,380	--	--	45	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Copper	7440-50-8	ug/kg	3/2/2011	14,400	--	--	22	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Fluoride	16984-48-8	ug/kg	3/2/2011	828	--	--	150	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Iron	7439-89-6	ug/kg	3/2/2011	1.77E+07	--	--	25	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Lithium	7439-93-2	ug/kg	3/2/2011	10,300	--	--	300	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Manganese	7439-96-5	ug/kg	3/2/2011	318,000	--	--	65	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Nickel	7440-02-0	ug/kg	3/2/2011	24,600	--	--	65	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Nitrate	14797-55-8	ug/kg	3/2/2011	37,100	--	--	0	Yes
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Nitrite	14797-65-0	ug/kg	3/2/2011	3,130	--	--	0	Yes
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Silver	7440-22-4	ug/kg	3/2/2011	68	--	--	8.3	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Strontium	7440-24-6	ug/kg	3/2/2011	42,900	--	--	35	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Thallium	7440-28-0	ug/kg	3/2/2011	104	--	--	71	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Vanadium	7440-62-2	ug/kg	3/2/2011	40,000	--	--	1,000	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Zinc	7440-66-6	ug/kg	3/2/2011	36,700	--	--	62	No
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Zirconium	7440-67-7	ug/kg	3/2/2011	6,370	--	--	3,000	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Aluminum	7429-90-5	ug/kg	2/25/2011	7.54E+06	--	--	1,500	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Antimony	7440-36-0	ug/kg	2/25/2011	223	--	--	45	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Arsenic	7440-38-2	ug/kg	2/25/2011	3,470	--	--	29	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Barium	7440-39-3	ug/kg	2/25/2011	76,800	--	--	41	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Beryllium	7440-41-7	ug/kg	2/25/2011	150	--	--	790	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Boron	7440-42-8	ug/kg	2/25/2011	3,860	--	--	3.0	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Cadmium	7440-43-9	ug/kg	2/25/2011	86	--	--	6.7	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Cobalt	7440-48-4	ug/kg	2/25/2011	6,040	--	--	45	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Copper	7440-50-8	ug/kg	2/25/2011	14,300	--	--	22	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Fluoride	16984-48-8	ug/kg	2/25/2011	541	--	--	150	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Iron	7439-89-6	ug/kg	2/25/2011	1.83E+07	--	--	25	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Lithium	7439-93-2	ug/kg	2/25/2011	9,000	--	--	300	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Manganese	7439-96-5	ug/kg	2/25/2011	287,000	--	--	65	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Nickel	7440-02-0	ug/kg	2/25/2011	18,800	--	--	65	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Nitrate	14797-55-8	ug/kg	2/25/2011	18,600	--	--	0	Yes
UPR-200-E-89	C8140	B29J63	124	126	Rad	Selenium-79	15758-45-9	pCi/g	2/25/2011	1.6	--	--	5.0	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Silver	7440-22-4	ug/kg	2/25/2011	55	--	--	8.3	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Strontium	7440-24-6	ug/kg	2/25/2011	30,400	--	--	35	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Thallium	7440-28-0	ug/kg	2/25/2011	80	--	--	71	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Vanadium	7440-62-2	ug/kg	2/25/2011	40,900	--	--	1,000	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Zinc	7440-66-6	ug/kg	2/25/2011	36,200	--	--	62	No
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Zirconium	7440-67-7	ug/kg	2/25/2011	8,110	--	--	3,000	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Aluminum	7429-90-5	ug/kg	6/1/2016	8.85E+06	--	--	1,500	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Arsenic	7440-38-2	ug/kg	6/1/2016	3,400	--	--	29	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Barium	7440-39-3	ug/kg	6/1/2016	127,000	--	--	41	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Cadmium	7440-43-9	ug/kg	6/1/2016	85	--	--	6.7	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Copper	7440-50-8	ug/kg	6/1/2016	18,500	--	--	22	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Cyanide	57-12-5	ug/kg	6/1/2016	180	--	--	9.9	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Fluoride	16984-48-8	ug/kg	6/1/2016	330	--	--	150	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Iron	7439-89-6	ug/kg	6/1/2016	1.42E+07	--	--	25	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Manganese	7439-96-5	ug/kg	6/1/2016	440,000	--	--	65	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Mercury	7439-97-6	ug/kg	6/1/2016	11	--	--	52	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Nickel	7440-02-0	ug/kg	6/1/2016	13,900	--	--	65	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Nitrate	14797-55-8	ug/kg	6/1/2016	372,000	--	--	0	Yes
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Phenol	108-95-2	ug/kg	6/1/2016	56	--	--	0.029	Yes
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Selenium	7782-49-2	ug/kg	6/1/2016	1,900	--	--	5.0	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Silver	7440-22-4	ug/kg	6/1/2016	150	--	--	8.3	No
UPR-200-E-89	C8706	B35NB2	198	201	non-Rad	Uranium	7440-61-1	ug/kg	6/1/2016	650	--	--	0	Yes
UPR-200-E-89	C8706	B35NB1	198	201	Rad	Carbon-14	14762-75-5	pCi/g	6/1/2016	0.66	--	--	0	Yes
UPR-200-E-89	C8706	B35NB1	198	201	Rad	Technetium-99	14133-76-7	pCi/g	6/1/2016	17	--	--	0	Yes
UPR-200-E-89	C8706	B35NB1	198	201	Rad	Tritium	10028-17-8	pCi/g	6/1/2016	15	--	--	0	Yes
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Aluminum	7429-90-5	ug/kg	6/1/2016	7.00E+06	--	--	1,500	No
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Arsenic	7440-38-2	ug/kg	6/1/2016	3,200	--	--	29	No
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Barium	7440-39-3	ug/kg	6/1/2016	83,600	--	--	41	No
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Cadmium	7440-43-9	ug/kg	6/1/2016	80	--	--	6.7	No
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Copper	7440-50-8	ug/kg	6/1/2016	12,900	--	--	22	No
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Fluoride	16984-48-8	ug/kg	6/1/2016	190	--	--	150	No
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Iron	7439-89-6	ug/kg	6/1/2016	1.33E+07	--	--	25	No
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Manganese	7439-96-5	ug/kg	6/1/2016	488,000	--	--	65	No
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Nickel	7440-02-0	ug/kg	6/1/2016	16,500	--	--	65	No
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Nitrate	14797-55-8	ug/kg	6/1/2016	53,100	--	--	0	Yes
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Phenol	108-95-2	ug/kg	6/1/2016	70	--	--	0.029	Yes
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Selenium	7782-49-2	ug/kg	6/1/2016	1,500	--	--	5.0	No
UPR-200-E-89	C8706	B35NB0	183	185	non-Rad	Uranium	7440-61-1	ug/kg	6/1/2016	470	--	--	0	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8706	B35N99	183	185	Rad	Carbon-14	14762-75-5	pCi/g	6/1/2016	0.39	--	--	0	Yes
UPR-200-E-89	C8706	B35N99	183	185	Rad	Technetium-99	14133-76-7	pCi/g	6/1/2016	4.1	--	--	0	Yes
UPR-200-E-89	C8706	B35N99	183	185	Rad	Tritium	10028-17-8	pCi/g	6/1/2016	24	--	--	0	Yes
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Aluminum	7429-90-5	ug/kg	5/26/2016	6.25E+06	--	--	1,500	No
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Arsenic	7440-38-2	ug/kg	5/26/2016	2,300	--	--	29	No
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Barium	7440-39-3	ug/kg	5/26/2016	61,400	--	--	41	No
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Copper	7440-50-8	ug/kg	5/26/2016	10,700	--	--	22	No
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Fluoride	16984-48-8	ug/kg	5/26/2016	150	--	--	150	No
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Iron	7439-89-6	ug/kg	5/26/2016	1.32E+07	--	--	25	No
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Manganese	7439-96-5	ug/kg	5/26/2016	245,000	--	--	65	No
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Mercury	7439-97-6	ug/kg	5/26/2016	17	--	--	52	No
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Nickel	7440-02-0	ug/kg	5/26/2016	10,600	--	--	65	No
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Nitrate	14797-55-8	ug/kg	5/26/2016	10,600	--	--	0	Yes
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Selenium	7782-49-2	ug/kg	5/26/2016	1,400	--	--	5.0	No
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Silver	7440-22-4	ug/kg	5/26/2016	140	--	--	8.3	No
UPR-200-E-89	C8706	B35N98	159	161	non-Rad	Uranium	7440-61-1	ug/kg	5/26/2016	460	--	--	0	Yes
UPR-200-E-89	C8706	B35N97	159	161	Rad	Carbon-14	14762-75-5	pCi/g	5/26/2016	0.32	--	--	0	Yes
UPR-200-E-89	C8706	B35N97	159	161	Rad	Technetium-99	14133-76-7	pCi/g	5/26/2016	1.6	--	--	0	Yes
UPR-200-E-89	C8706	B35N97	159	161	Rad	Tritium	10028-17-8	pCi/g	5/26/2016	29	--	--	0	Yes
UPR-200-E-89	C8706	B35N96	132	137	non-Rad	Aluminum	7429-90-5	ug/kg	5/26/2016	6.09E+06	--	--	1,500	No
UPR-200-E-89	C8706	B35N96	132	137	non-Rad	Arsenic	7440-38-2	ug/kg	5/26/2016	2,500	--	--	29	No
UPR-200-E-89	C8706	B35N96	132	137	non-Rad	Barium	7440-39-3	ug/kg	5/26/2016	57,300	--	--	41	No
UPR-200-E-89	C8706	B35N96	132	137	non-Rad	Copper	7440-50-8	ug/kg	5/26/2016	11,100	--	--	22	No
UPR-200-E-89	C8706	B35N96	132	137	non-Rad	Fluoride	16984-48-8	ug/kg	5/26/2016	210	--	--	150	No
UPR-200-E-89	C8706	B35N96	132	137	non-Rad	Iron	7439-89-6	ug/kg	5/26/2016	1.41E+07	--	--	25	No
UPR-200-E-89	C8706	B35N96	132	137	non-Rad	Manganese	7439-96-5	ug/kg	5/26/2016	266,000	--	--	65	No
UPR-200-E-89	C8706	B35N96	132	137	non-Rad	Mercury	7439-97-6	ug/kg	5/26/2016	25	--	--	52	No
UPR-200-E-89	C8706	B35N96	132	137	non-Rad	Nickel	7440-02-0	ug/kg	5/26/2016	10,300	--	--	65	No
UPR-200-E-89	C8706	B35N96	132	137	non-Rad	Nitrate	14797-55-8	ug/kg	5/26/2016	18,600	--	--	0	Yes
UPR-200-E-89	C8706	B35N96	132	137	non-Rad	Selenium	7782-49-2	ug/kg	5/26/2016	910	--	--	5.0	No
UPR-200-E-89	C8706	B35N96	132	137	non-Rad	Uranium	7440-61-1	ug/kg	5/26/2016	400	--	--	0	Yes
UPR-200-E-89	C8706	B35N95	132	137	Rad	Carbon-14	14762-75-5	pCi/g	5/26/2016	3.5	--	--	0	Yes
UPR-200-E-89	C8706	B35N95	132	137	Rad	Technetium-99	14133-76-7	pCi/g	5/26/2016	2.3	--	--	0	Yes
UPR-200-E-89	C8706	B35N95	132	137	Rad	Tritium	10028-17-8	pCi/g	5/26/2016	18	--	--	0	Yes
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Aluminum	7429-90-5	ug/kg	5/25/2016	1.03E+07	--	--	1,500	No
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Antimony	7440-36-0	ug/kg	5/25/2016	350	--	--	45	No
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Arsenic	7440-38-2	ug/kg	5/25/2016	6,400	--	--	29	No
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Barium	7440-39-3	ug/kg	5/25/2016	79,000	--	--	41	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Cadmium	7440-43-9	ug/kg	5/25/2016	93	--	--	6.7	No
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Copper	7440-50-8	ug/kg	5/25/2016	22,800	--	--	22	No
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Cyanide	57-12-5	ug/kg	5/25/2016	160	--	--	9.9	No
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Iron	7439-89-6	ug/kg	5/25/2016	1.41E+07	--	--	25	No
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Manganese	7439-96-5	ug/kg	5/25/2016	459,000	--	--	65	No
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Mercury	7439-97-6	ug/kg	5/25/2016	44	--	--	52	No
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Nickel	7440-02-0	ug/kg	5/25/2016	24,500	--	--	65	No
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Nitrate	14797-55-8	ug/kg	5/25/2016	2.04E+06	--	--	0	Yes
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Nitrite	14797-65-0	ug/kg	5/25/2016	19,700	--	--	0	Yes
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Selenium	7782-49-2	ug/kg	5/25/2016	960	--	--	5.0	No
UPR-200-E-89	C8706	B35N94	108	110	non-Rad	Uranium	7440-61-1	ug/kg	5/25/2016	720	--	--	0	Yes
UPR-200-E-89	C8706	B35N93	108	110	Rad	Carbon-14	14762-75-5	pCi/g	5/25/2016	2.6	--	--	0	Yes
UPR-200-E-89	C8706	B35N93	108	110	Rad	Plutonium-239/240	PU-239/240	pCi/g	5/25/2016	0.28	--	--	200	No
UPR-200-E-89	C8706	B35N93	108	110	Rad	Technetium-99	14133-76-7	pCi/g	5/25/2016	83	--	--	0	Yes
UPR-200-E-89	C8706	B35N93	108	110	Rad	Tritium	10028-17-8	pCi/g	5/25/2016	20	--	--	0	Yes
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Aluminum	7429-90-5	ug/kg	5/25/2016	1.24E+07	--	--	1,500	No
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Antimony	7440-36-0	ug/kg	5/25/2016	480	--	--	45	No
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Arsenic	7440-38-2	ug/kg	5/25/2016	9,800	--	--	29	No
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Barium	7440-39-3	ug/kg	5/25/2016	110,000	--	--	41	No
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Cadmium	7440-43-9	ug/kg	5/25/2016	120	--	--	6.7	No
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Copper	7440-50-8	ug/kg	5/25/2016	27,100	--	--	22	No
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Cyanide	57-12-5	ug/kg	5/25/2016	5,300	--	--	9.9	No
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Iron	7439-89-6	ug/kg	5/25/2016	1.69E+07	--	--	25	No
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Manganese	7439-96-5	ug/kg	5/25/2016	527,000	--	--	65	No
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Mercury	7439-97-6	ug/kg	5/25/2016	210	--	--	52	No
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Nickel	7440-02-0	ug/kg	5/25/2016	25,100	--	--	65	No
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Nitrate	14797-55-8	ug/kg	5/25/2016	9.74E+06	--	--	0	Yes
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Nitrite	14797-65-0	ug/kg	5/25/2016	46,000	--	--	0	Yes
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Selenium	7782-49-2	ug/kg	5/25/2016	1,500	--	--	5.0	No
UPR-200-E-89	C8706	B35N92	78	80	non-Rad	Uranium	7440-61-1	ug/kg	5/25/2016	17,500	--	--	0	Yes
UPR-200-E-89	C8706	B35N91	78	80	Rad	Carbon-14	14762-75-5	pCi/g	5/25/2016	37	--	--	0	Yes
UPR-200-E-89	C8706	B35N91	78	80	Rad	Cesium-137	10045-97-3	pCi/g	5/25/2016	0.20	--	--	50	No
UPR-200-E-89	C8706	B35N91	78	80	Rad	Cobalt-60	10198-40-0	pCi/g	5/25/2016	0.094	--	--	50	No
UPR-200-E-89	C8706	B35N91	78	80	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	5/25/2016	310	--	--	0	Yes
UPR-200-E-89	C8706	B35N91	78	80	Rad	Nickel-63	13981-37-8	pCi/g	5/25/2016	16	--	--	30	No
UPR-200-E-89	C8706	B35N91	78	80	Rad	Strontium-90	10098-97-2	pCi/g	5/25/2016	0.50	--	--	25	No
UPR-200-E-89	C8706	B35N91	78	80	Rad	Technetium-99	14133-76-7	pCi/g	5/25/2016	289	--	--	0	Yes
UPR-200-E-89	C8706	B35N91	78	80	Rad	Tritium	10028-17-8	pCi/g	5/25/2016	62	--	--	0	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8706	B35N91	78	80	Rad	Uranium-233/234	U-233/234	pCi/g	5/25/2016	4.7	1.1	Yes	0	Yes
UPR-200-E-89	C8706	B35N91	78	80	Rad	Uranium-234	13966-29-5	pCi/g	5/25/2016	4.7	1.1	Yes	0	Yes
UPR-200-E-89	C8706	B35N91	78	80	Rad	Uranium-238	U-238	pCi/g	5/25/2016	5.1	1.1	Yes	0	Yes
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Aluminum	7429-90-5	ug/kg	5/25/2016	9.86E+06	--	--	1,500	No
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Arsenic	7440-38-2	ug/kg	5/25/2016	3,800	--	--	29	No
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Barium	7440-39-3	ug/kg	5/25/2016	71,000	--	--	41	No
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Cadmium	7440-43-9	ug/kg	5/25/2016	78	--	--	6.7	No
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Copper	7440-50-8	ug/kg	5/25/2016	18,200	--	--	22	No
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Cyanide	57-12-5	ug/kg	5/25/2016	2,700	--	--	9.9	No
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Iron	7439-89-6	ug/kg	5/25/2016	1.47E+07	--	--	25	No
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Manganese	7439-96-5	ug/kg	5/25/2016	415,000	--	--	65	No
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Mercury	7439-97-6	ug/kg	5/25/2016	98	--	--	52	No
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Nickel	7440-02-0	ug/kg	5/25/2016	29,800	--	--	65	No
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Nitrate	14797-55-8	ug/kg	5/25/2016	3.14E+06	--	--	0	Yes
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Nitrite	14797-65-0	ug/kg	5/25/2016	591	--	--	0	Yes
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Selenium	7782-49-2	ug/kg	5/25/2016	720	--	--	5.0	No
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Silver	7440-22-4	ug/kg	5/25/2016	110	--	--	8.3	No
UPR-200-E-89	C8706	B35N90	163	165	non-Rad	Uranium	7440-61-1	ug/kg	5/25/2016	930	--	--	0	Yes
UPR-200-E-89	C8706	B35N89	163	165	Rad	Carbon-14	14762-75-5	pCi/g	5/25/2016	15	--	--	0	Yes
UPR-200-E-89	C8706	B35N89	163	165	Rad	Nickel-63	13981-37-8	pCi/g	5/25/2016	8.9	--	--	30	No
UPR-200-E-89	C8706	B35N89	163	165	Rad	Strontium-90	10098-97-2	pCi/g	5/25/2016	0.90	--	--	25	No
UPR-200-E-89	C8706	B35N89	163	165	Rad	Technetium-99	14133-76-7	pCi/g	5/25/2016	251	--	--	0	Yes
UPR-200-E-89	C8706	B35N89	163	165	Rad	Tritium	10028-17-8	pCi/g	5/25/2016	19	--	--	0	Yes
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Aluminum	7429-90-5	ug/kg	6/2/2016	6.32E+06	--	--	1,500	No
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Arsenic	7440-38-2	ug/kg	6/2/2016	2,100	--	--	29	No
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Barium	7440-39-3	ug/kg	6/2/2016	103,000	--	--	41	No
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Cadmium	7440-43-9	ug/kg	6/2/2016	94	--	--	6.7	No
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Copper	7440-50-8	ug/kg	6/2/2016	11,500	--	--	22	No
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Cyanide	57-12-5	ug/kg	6/2/2016	440	--	--	9.9	No
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Fluoride	16984-48-8	ug/kg	6/2/2016	310	--	--	150	No
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Iron	7439-89-6	ug/kg	6/2/2016	1.38E+07	--	--	25	No
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Manganese	7439-96-5	ug/kg	6/2/2016	308,000	--	--	65	No
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Mercury	7439-97-6	ug/kg	6/2/2016	110	--	--	52	No
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Nickel	7440-02-0	ug/kg	6/2/2016	11,400	--	--	65	No
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Nitrate	14797-55-8	ug/kg	6/2/2016	75,300	--	--	0	Yes
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Nitrite	14797-65-0	ug/kg	6/2/2016	493	--	--	0	Yes
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Phenol	108-95-2	ug/kg	6/2/2016	170	--	--	0.029	Yes
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Selenium	7782-49-2	ug/kg	6/2/2016	2,200	--	--	5.0	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C8706	B35N88	46	47	non-Rad	Uranium	7440-61-1	ug/kg	6/2/2016	2,300	--	--	0	Yes
UPR-200-E-89	C8706	B35N87	46	47	Rad	Americium-241	14596-10-2	pCi/g	6/2/2016	0.13	--	--	200	No
UPR-200-E-89	C8706	B35N87	46	47	Rad	Carbon-14	14762-75-5	pCi/g	6/2/2016	33	--	--	0	Yes
UPR-200-E-89	C8706	B35N87	46	47	Rad	Cesium-137	10045-97-3	pCi/g	6/2/2016	502	--	--	50	No
UPR-200-E-89	C8706	B35N87	46	47	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	6/2/2016	220	--	--	0	Yes
UPR-200-E-89	C8706	B35N87	46	47	Rad	Plutonium-239/240	PU-239/240	pCi/g	6/2/2016	1.1	--	--	200	No
UPR-200-E-89	C8706	B35N87	46	47	Rad	Strontium-90	10098-97-2	pCi/g	6/2/2016	972	--	--	25	No
UPR-200-E-89	C8706	B35N87	46	47	Rad	Technetium-99	14133-76-7	pCi/g	6/2/2016	4.3	--	--	0	Yes
UPR-200-E-89	C8706	B35N87	46	47	Rad	Tritium	10028-17-8	pCi/g	6/2/2016	4.7	--	--	0	Yes
UPR-200-E-89	C8706	B35N87	46	47	Rad	Uranium-233/234	U-233/234	pCi/g	6/2/2016	1.4	1.1	Yes	0	Yes
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Antimony	7440-36-0	ug/kg	10/22/2015	1,140	130	Yes	45	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Molybdenum	7439-98-7	ug/kg	10/22/2015	1,730	470	Yes	20	No
UPR-200-E-89	C8706	B33B28	5.9	8.4	non-Rad	Acetone	67-64-1	ug/kg	10/22/2015	2.4	--	--	5.75E-04	Yes
UPR-200-E-89	C8706	B33B24	3.9	6.4	non-Rad	Antimony	7440-36-0	ug/kg	10/22/2015	1,350	130	Yes	45	No
UPR-200-E-89	C8706	B33B24	3.9	6.4	non-Rad	Cyanide	57-12-5	ug/kg	10/22/2015	455	--	--	9.9	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/22/2015	205	--	--	0	Yes
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Molybdenum	7439-98-7	ug/kg	10/22/2015	698	470	Yes	20	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Selenium	7782-49-2	ug/kg	10/22/2015	793	780	Yes	5.0	No
UPR-200-E-89	C8706	B33B20	3.9	6.4	Rad	Strontium-90	10098-97-2	pCi/g	10/22/2015	1.7	0.18	Yes	25	No
UPR-200-E-89	C8706	B33B19	3.9	6.4	non-Rad	Acetone	67-64-1	ug/kg	10/22/2015	2.6	--	--	5.75E-04	Yes
UPR-200-E-89	C8706	B33B19	3.9	6.4	non-Rad	Toluene	108-88-3	ug/kg	10/22/2015	0.33	--	--	0.14	Yes
UPR-200-E-89	C8707	B320P2	5.0	6.5	non-Rad	Antimony	7440-36-0	ug/kg	7/21/2015	2,970	130	Yes	45	No
UPR-200-E-89	C8707	B320P2	5.0	6.5	non-Rad	Barium	7440-39-3	ug/kg	7/21/2015	139,000	132,000	Yes	41	No
UPR-200-E-89	C8707	B320P2	5.0	6.5	non-Rad	Copper	7440-50-8	ug/kg	7/21/2015	25,000	22,000	Yes	22	No
UPR-200-E-89	C8707	B320P2	5.0	6.5	non-Rad	Iron	7439-89-6	ug/kg	7/21/2015	3.30E+07	3.26E+07	Yes	25	No
UPR-200-E-89	C8707	B320P2	5.0	6.5	non-Rad	Molybdenum	7439-98-7	ug/kg	7/21/2015	2,340	470	Yes	20	No
UPR-200-E-89	C8707	B320P2	5.0	6.5	non-Rad	Silver	7440-22-4	ug/kg	7/21/2015	212	167	Yes	8.3	No
UPR-200-E-89	C8707	B320P2	5.0	6.5	non-Rad	Strontium	7440-24-6	ug/kg	7/21/2015	35,200	--	--	35	No
UPR-200-E-89	C8707	B320P2	5.0	6.5	Rad	Uranium-238	U-238	pCi/g	7/21/2015	2.1	1.1	Yes	0	Yes
UPR-200-E-89	C8707	B320N7	0	2.5	non-Rad	Nitrate	14797-55-8	ug/kg	7/21/2015	98,700	52,000	Yes	0	Yes
UPR-200-E-89	C8707	B320N6	0	2.5	Rad	Uranium-233/234	U-233/234	pCi/g	7/21/2015	1.4	1.1	Yes	0	Yes
UPR-200-E-89	C8711	B320W8	10	13	non-Rad	Antimony	7440-36-0	ug/kg	7/16/2015	1,280	130	Yes	45	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	7/16/2015	1,070	--	--	111	No
UPR-200-E-89	C8711	B320W3	10	13	non-Rad	Strontium	7440-24-6	ug/kg	7/16/2015	57,100	--	--	35	No
UPR-200-E-89	C9548	B320R5	84	86	non-Rad	Nitrate	14797-55-8	ug/kg	7/30/2015	1.55E+06	--	--	0	Yes
UPR-200-E-89	C9548	B320R5	84	86	non-Rad	Nitrite	14797-65-0	ug/kg	7/30/2015	3,280	--	--	0	Yes
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Aluminum	7429-90-5	ug/kg	7/30/2015	7.44E+06	--	--	1,500	No
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Antimony	7440-36-0	ug/kg	7/30/2015	1,880	--	--	45	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Arsenic	7440-38-2	ug/kg	7/30/2015	3,280	--	--	29	No
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Barium	7440-39-3	ug/kg	7/30/2015	56,400	--	--	41	No
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Beryllium	7440-41-7	ug/kg	7/30/2015	200	--	--	790	No
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Cadmium	7440-43-9	ug/kg	7/30/2015	47	--	--	6.7	No
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Cobalt	7440-48-4	ug/kg	7/30/2015	5,230	--	--	45	No
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Copper	7440-50-8	ug/kg	7/30/2015	12,000	--	--	22	No
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Cyanide	57-12-5	ug/kg	7/30/2015	1,060	--	--	9.9	No
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Manganese	7439-96-5	ug/kg	7/30/2015	292,000	--	--	65	No
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Mercury	7439-97-6	ug/kg	7/30/2015	68	--	--	52	No
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Molybdenum	7439-98-7	ug/kg	7/30/2015	1,610	--	--	20	No
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Nickel	7440-02-0	ug/kg	7/30/2015	13,000	--	--	65	No
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Selenium	7782-49-2	ug/kg	7/30/2015	515	--	--	5.0	No
UPR-200-E-89	C9548	B320R4	84	86	Rad	Technetium-99	14133-76-7	pCi/g	7/30/2015	41	--	--	0	Yes
UPR-200-E-89	C9548	B320R4	84	86	non-Rad	Uranium	7440-61-1	ug/kg	7/30/2015	464	--	--	0	Yes
UPR-200-E-89	C9548	B320R4	84	86	Rad	Uranium-233/234	U-233/234	pCi/g	7/30/2015	1.4	1.1	Yes	0	Yes
UPR-200-E-89	C9548	B320R2	64	66	non-Rad	Nitrate	14797-55-8	ug/kg	7/30/2015	8,150	--	--	0	Yes
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Aluminum	7429-90-5	ug/kg	7/30/2015	6.48E+06	--	--	1,500	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Antimony	7440-36-0	ug/kg	7/30/2015	1,540	--	--	45	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Arsenic	7440-38-2	ug/kg	7/30/2015	2,180	--	--	29	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Barium	7440-39-3	ug/kg	7/30/2015	62,800	--	--	41	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Beryllium	7440-41-7	ug/kg	7/30/2015	202	--	--	790	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Cadmium	7440-43-9	ug/kg	7/30/2015	39	--	--	6.7	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Cobalt	7440-48-4	ug/kg	7/30/2015	5,180	--	--	45	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Copper	7440-50-8	ug/kg	7/30/2015	10,600	--	--	22	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Cyanide	57-12-5	ug/kg	7/30/2015	204	--	--	9.9	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Manganese	7439-96-5	ug/kg	7/30/2015	273,000	--	--	65	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Mercury	7439-97-6	ug/kg	7/30/2015	105	--	--	52	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Molybdenum	7439-98-7	ug/kg	7/30/2015	516	--	--	20	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Nickel	7440-02-0	ug/kg	7/30/2015	9,110	--	--	65	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Selenium	7782-49-2	ug/kg	7/30/2015	781	--	--	5.0	No
UPR-200-E-89	C9548	B320R1	64	66	non-Rad	Uranium	7440-61-1	ug/kg	7/30/2015	1,680	--	--	0	Yes
UPR-200-E-89	C9548	B320R1	64	66	Rad	Uranium-233/234	U-233/234	pCi/g	7/30/2015	1.9	1.1	Yes	0	Yes
UPR-200-E-89	C9548	B320P9	48	50	non-Rad	Fluoride	16984-48-8	ug/kg	7/30/2015	502	--	--	150	No
UPR-200-E-89	C9548	B320P9	48	50	non-Rad	Nitrate	14797-55-8	ug/kg	7/30/2015	7,300	--	--	0	Yes
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Aluminum	7429-90-5	ug/kg	7/30/2015	7.23E+06	--	--	1,500	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Antimony	7440-36-0	ug/kg	7/30/2015	1,890	--	--	45	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Arsenic	7440-38-2	ug/kg	7/30/2015	2,410	--	--	29	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Barium	7440-39-3	ug/kg	7/30/2015	64,800	--	--	41	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Beryllium	7440-41-7	ug/kg	7/30/2015	221	--	--	790	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Cadmium	7440-43-9	ug/kg	7/30/2015	45	--	--	6.7	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Cobalt	7440-48-4	ug/kg	7/30/2015	4,820	--	--	45	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Copper	7440-50-8	ug/kg	7/30/2015	13,400	--	--	22	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Cyanide	57-12-5	ug/kg	7/30/2015	186	--	--	9.9	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Manganese	7439-96-5	ug/kg	7/30/2015	225,000	--	--	65	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Mercury	7439-97-6	ug/kg	7/30/2015	46	--	--	52	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Molybdenum	7439-98-7	ug/kg	7/30/2015	1,370	--	--	20	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Nickel	7440-02-0	ug/kg	7/30/2015	9,140	--	--	65	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Selenium	7782-49-2	ug/kg	7/30/2015	931	--	--	5.0	No
UPR-200-E-89	C9548	B320P8	48	50	non-Rad	Uranium	7440-61-1	ug/kg	7/30/2015	1,630	--	--	0	Yes
UPR-200-E-89	C9548	B320P8	48	50	Rad	Uranium-238	U-238	pCi/g	7/30/2015	1.2	1.1	Yes	0	Yes
UPR-200-E-89	C9549	B352X8	198	199	non-Rad	Aluminum	7429-90-5	ug/kg	4/25/2016	8.64E+06	--	--	1,500	No
UPR-200-E-89	C9549	B352X8	198	199	non-Rad	Arsenic	7440-38-2	ug/kg	4/25/2016	2,700	--	--	29	No
UPR-200-E-89	C9549	B352X8	198	199	non-Rad	Barium	7440-39-3	ug/kg	4/25/2016	127,000	--	--	41	No
UPR-200-E-89	C9549	B352X8	198	199	non-Rad	Cadmium	7440-43-9	ug/kg	4/25/2016	100	--	--	6.7	No
UPR-200-E-89	C9549	B352X8	198	199	non-Rad	Copper	7440-50-8	ug/kg	4/25/2016	22,700	--	--	22	No
UPR-200-E-89	C9549	B352X8	198	199	non-Rad	Cyanide	57-12-5	ug/kg	4/25/2016	740	--	--	9.9	No
UPR-200-E-89	C9549	B352X8	198	199	non-Rad	Fluoride	16984-48-8	ug/kg	4/25/2016	350	--	--	150	No
UPR-200-E-89	C9549	B352X8	198	199	non-Rad	Manganese	7439-96-5	ug/kg	4/25/2016	393,000	--	--	65	No
UPR-200-E-89	C9549	B352X8	198	199	non-Rad	Nickel	7440-02-0	ug/kg	4/25/2016	13,800	--	--	65	No
UPR-200-E-89	C9549	B352X8	198	199	non-Rad	Nitrate	14797-55-8	ug/kg	4/25/2016	1.02E+06	--	--	0	Yes
UPR-200-E-89	C9549	B352X8	198	199	non-Rad	Selenium	7782-49-2	ug/kg	4/25/2016	2,100	--	--	5.0	No
UPR-200-E-89	C9549	B352X8	198	199	non-Rad	Uranium	7440-61-1	ug/kg	4/25/2016	660	--	--	0	Yes
UPR-200-E-89	C9549	B352X7	198	199	Rad	Technetium-99	14133-76-7	pCi/g	4/25/2016	82	--	--	0	Yes
UPR-200-E-89	C9549	B352X6	187	188	non-Rad	Aluminum	7429-90-5	ug/kg	4/25/2016	1.00E+07	--	--	1,500	No
UPR-200-E-89	C9549	B352X6	187	188	non-Rad	Arsenic	7440-38-2	ug/kg	4/25/2016	4,100	--	--	29	No
UPR-200-E-89	C9549	B352X6	187	188	non-Rad	Barium	7440-39-3	ug/kg	4/25/2016	81,500	--	--	41	No
UPR-200-E-89	C9549	B352X6	187	188	non-Rad	Cadmium	7440-43-9	ug/kg	4/25/2016	220	--	--	6.7	No
UPR-200-E-89	C9549	B352X6	187	188	non-Rad	Copper	7440-50-8	ug/kg	4/25/2016	16,500	--	--	22	No
UPR-200-E-89	C9549	B352X6	187	188	non-Rad	Cyanide	57-12-5	ug/kg	4/25/2016	490	--	--	9.9	No
UPR-200-E-89	C9549	B352X6	187	188	non-Rad	Fluoride	16984-48-8	ug/kg	4/25/2016	170	--	--	150	No
UPR-200-E-89	C9549	B352X6	187	188	non-Rad	Manganese	7439-96-5	ug/kg	4/25/2016	403,000	--	--	65	No
UPR-200-E-89	C9549	B352X6	187	188	non-Rad	Nickel	7440-02-0	ug/kg	4/25/2016	16,600	--	--	65	No
UPR-200-E-89	C9549	B352X6	187	188	non-Rad	Nitrate	14797-55-8	ug/kg	4/25/2016	531,000	--	--	0	Yes
UPR-200-E-89	C9549	B352X6	187	188	non-Rad	Selenium	7782-49-2	ug/kg	4/25/2016	1,600	--	--	5.0	No
UPR-200-E-89	C9549	B352X6	187	188	non-Rad	Uranium	7440-61-1	ug/kg	4/25/2016	620	--	--	0	Yes
UPR-200-E-89	C9549	B352X5	187	188	Rad	Technetium-99	14133-76-7	pCi/g	4/25/2016	55	--	--	0	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C9549	B352X4	157	158	non-Rad	Aluminum	7429-90-5	ug/kg	4/25/2016	8.14E+06	--	--	1,500	No
UPR-200-E-89	C9549	B352X4	157	158	non-Rad	Arsenic	7440-38-2	ug/kg	4/25/2016	3,700	--	--	29	No
UPR-200-E-89	C9549	B352X4	157	158	non-Rad	Barium	7440-39-3	ug/kg	4/25/2016	113,000	--	--	41	No
UPR-200-E-89	C9549	B352X4	157	158	non-Rad	Copper	7440-50-8	ug/kg	4/25/2016	16,400	--	--	22	No
UPR-200-E-89	C9549	B352X4	157	158	non-Rad	Cyanide	57-12-5	ug/kg	4/25/2016	170	--	--	9.9	No
UPR-200-E-89	C9549	B352X4	157	158	non-Rad	Manganese	7439-96-5	ug/kg	4/25/2016	375,000	--	--	65	No
UPR-200-E-89	C9549	B352X4	157	158	non-Rad	Nickel	7440-02-0	ug/kg	4/25/2016	14,500	--	--	65	No
UPR-200-E-89	C9549	B352X4	157	158	non-Rad	Nitrate	14797-55-8	ug/kg	4/25/2016	1.02E+06	--	--	0	Yes
UPR-200-E-89	C9549	B352X4	157	158	non-Rad	Nitrite	14797-65-0	ug/kg	4/25/2016	723	--	--	0	Yes
UPR-200-E-89	C9549	B352X4	157	158	non-Rad	Selenium	7782-49-2	ug/kg	4/25/2016	1,400	--	--	5.0	No
UPR-200-E-89	C9549	B352X4	157	158	non-Rad	Uranium	7440-61-1	ug/kg	4/25/2016	790	--	--	0	Yes
UPR-200-E-89	C9549	B352X3	157	158	Rad	Technetium-99	14133-76-7	pCi/g	4/25/2016	119	--	--	0	Yes
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Aluminum	7429-90-5	ug/kg	4/21/2016	8.33E+06	--	--	1,500	No
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Arsenic	7440-38-2	ug/kg	4/21/2016	5,000	--	--	29	No
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Barium	7440-39-3	ug/kg	4/21/2016	91,600	--	--	41	No
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Cadmium	7440-43-9	ug/kg	4/21/2016	86	--	--	6.7	No
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Copper	7440-50-8	ug/kg	4/21/2016	18,200	--	--	22	No
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Cyanide	57-12-5	ug/kg	4/21/2016	580	--	--	9.9	No
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Fluoride	16984-48-8	ug/kg	4/21/2016	220	--	--	150	No
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Manganese	7439-96-5	ug/kg	4/21/2016	415,000	--	--	65	No
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Nickel	7440-02-0	ug/kg	4/21/2016	25,500	--	--	65	No
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Nitrate	14797-55-8	ug/kg	4/21/2016	1.15E+06	--	--	0	Yes
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Nitrite	14797-65-0	ug/kg	4/21/2016	361	--	--	0	Yes
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Selenium	7782-49-2	ug/kg	4/21/2016	1,100	--	--	5.0	No
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Silver	7440-22-4	ug/kg	4/21/2016	190	--	--	8.3	No
UPR-200-E-89	C9549	B352X2	127	128	non-Rad	Uranium	7440-61-1	ug/kg	4/21/2016	500	--	--	0	Yes
UPR-200-E-89	C9549	B352X1	127	128	Rad	Technetium-99	14133-76-7	pCi/g	4/21/2016	85	--	--	0	Yes
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Aluminum	7429-90-5	ug/kg	4/21/2016	1.87E+07	--	--	1,500	No
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Antimony	7440-36-0	ug/kg	4/21/2016	490	--	--	45	No
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Arsenic	7440-38-2	ug/kg	4/21/2016	15,400	--	--	29	No
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Barium	7440-39-3	ug/kg	4/21/2016	339,000	--	--	41	No
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Cadmium	7440-43-9	ug/kg	4/21/2016	290	--	--	6.7	No
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Copper	7440-50-8	ug/kg	4/21/2016	64,100	--	--	22	No
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Cyanide	57-12-5	ug/kg	4/21/2016	6,100	--	--	9.9	No
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Manganese	7439-96-5	ug/kg	4/21/2016	976,000	--	--	65	No
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Nickel	7440-02-0	ug/kg	4/21/2016	52,200	--	--	65	No
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Nitrate	14797-55-8	ug/kg	4/21/2016	1.42E+07	--	--	0	Yes
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Nitrite	14797-65-0	ug/kg	4/21/2016	3,150	--	--	0	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Selenium	7782-49-2	ug/kg	4/21/2016	2,200	--	--	5.0	No
UPR-200-E-89	C9549	B352X0	123	125	non-Rad	Uranium	7440-61-1	ug/kg	4/21/2016	1,100	--	--	0	Yes
UPR-200-E-89	C9549	B352W9	123	125	Rad	Technetium-99	14133-76-7	pCi/g	4/21/2016	441	--	--	0	Yes
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Aluminum	7429-90-5	ug/kg	4/21/2016	5.25E+06	--	--	1,500	No
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Arsenic	7440-38-2	ug/kg	4/21/2016	3,100	--	--	29	No
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Barium	7440-39-3	ug/kg	4/21/2016	50,400	--	--	41	No
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Cadmium	7440-43-9	ug/kg	4/21/2016	270	--	--	6.7	No
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Copper	7440-50-8	ug/kg	4/21/2016	10,700	--	--	22	No
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Cyanide	57-12-5	ug/kg	4/21/2016	1,400	--	--	9.9	No
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Manganese	7439-96-5	ug/kg	4/21/2016	265,000	--	--	65	No
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Nickel	7440-02-0	ug/kg	4/21/2016	12,000	--	--	65	No
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Nitrate	14797-55-8	ug/kg	4/21/2016	2.61E+06	--	--	0	Yes
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Nitrite	14797-65-0	ug/kg	4/21/2016	1,450	--	--	0	Yes
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Selenium	7782-49-2	ug/kg	4/21/2016	1,100	--	--	5.0	No
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Silver	7440-22-4	ug/kg	4/21/2016	230	--	--	8.3	No
UPR-200-E-89	C9549	B352W8	113	114	non-Rad	Uranium	7440-61-1	ug/kg	4/21/2016	560	--	--	0	Yes
UPR-200-E-89	C9549	B352W7	113	114	Rad	Technetium-99	14133-76-7	pCi/g	4/21/2016	134	--	--	0	Yes
UPR-200-E-89	C9549	B33122	7.2	9.7	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/6/2015	215	--	--	111	No
UPR-200-E-89	C9549	B33122	7.2	9.7	non-Rad	Cyanide	57-12-5	ug/kg	10/6/2015	126	--	--	9.9	No
UPR-200-E-89	C9549	B33122	7.2	9.7	Rad	Uranium-233/234	U-233/234	pCi/g	10/6/2015	1.2	1.1	Yes	0	Yes
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Aluminum	7429-90-5	ug/kg	3/29/2016	1.03E+07	--	--	1,500	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Antimony	7440-36-0	ug/kg	3/29/2016	310	--	--	45	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Arsenic	7440-38-2	ug/kg	3/29/2016	6,000	--	--	29	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Barium	7440-39-3	ug/kg	3/29/2016	72,400	--	--	41	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Cadmium	7440-43-9	ug/kg	3/29/2016	140	--	--	6.7	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Copper	7440-50-8	ug/kg	3/29/2016	22,700	--	--	22	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Cyanide	57-12-5	ug/kg	3/29/2016	260	--	--	9.9	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Fluoride	16984-48-8	ug/kg	3/29/2016	470	--	--	150	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Manganese	7439-96-5	ug/kg	3/29/2016	497,000	--	--	65	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Nickel	7440-02-0	ug/kg	3/29/2016	19,500	--	--	65	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Nitrate	14797-55-8	ug/kg	3/29/2016	620,000	--	--	0	Yes
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Nitrite	14797-65-0	ug/kg	3/29/2016	302	--	--	0	Yes
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Selenium	7782-49-2	ug/kg	3/29/2016	1,300	--	--	5.0	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Silver	7440-22-4	ug/kg	3/29/2016	170	--	--	8.3	No
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Uranium	7440-61-1	ug/kg	3/29/2016	680	--	--	0	Yes
UPR-200-E-89	C9550	B34T34	194	196	Rad	Technetium-99	14133-76-7	pCi/g	3/29/2016	16	--	--	0	Yes
UPR-200-E-89	C9550	B34T33	176	177	non-Rad	Aluminum	7429-90-5	ug/kg	3/29/2016	8.08E+06	--	--	1,500	No
UPR-200-E-89	C9550	B34T33	176	177	non-Rad	Arsenic	7440-38-2	ug/kg	3/29/2016	5,600	--	--	29	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C9550	B34T33	176	177	non-Rad	Barium	7440-39-3	ug/kg	3/29/2016	76,800	--	--	41	No
UPR-200-E-89	C9550	B34T33	176	177	non-Rad	Cadmium	7440-43-9	ug/kg	3/29/2016	170	--	--	6.7	No
UPR-200-E-89	C9550	B34T33	176	177	non-Rad	Copper	7440-50-8	ug/kg	3/29/2016	10,600	--	--	22	No
UPR-200-E-89	C9550	B34T33	176	177	non-Rad	Fluoride	16984-48-8	ug/kg	3/29/2016	160	--	--	150	No
UPR-200-E-89	C9550	B34T33	176	177	non-Rad	Manganese	7439-96-5	ug/kg	3/29/2016	358,000	--	--	65	No
UPR-200-E-89	C9550	B34T33	176	177	non-Rad	Nickel	7440-02-0	ug/kg	3/29/2016	12,300	--	--	65	No
UPR-200-E-89	C9550	B34T33	176	177	non-Rad	Nitrate	14797-55-8	ug/kg	3/29/2016	7,970	--	--	0	Yes
UPR-200-E-89	C9550	B34T33	176	177	non-Rad	Selenium	7782-49-2	ug/kg	3/29/2016	880	--	--	5.0	No
UPR-200-E-89	C9550	B34T33	176	177	non-Rad	Silver	7440-22-4	ug/kg	3/29/2016	190	--	--	8.3	No
UPR-200-E-89	C9550	B34T33	176	177	non-Rad	Uranium	7440-61-1	ug/kg	3/29/2016	500	--	--	0	Yes
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Aluminum	7429-90-5	ug/kg	3/25/2016	1.14E+07	--	--	1,500	No
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Arsenic	7440-38-2	ug/kg	3/25/2016	3,700	--	--	29	No
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Barium	7440-39-3	ug/kg	3/25/2016	94,800	--	--	41	No
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Copper	7440-50-8	ug/kg	3/25/2016	17,300	--	--	22	No
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Cyanide	57-12-5	ug/kg	3/25/2016	130	--	--	9.9	No
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Fluoride	16984-48-8	ug/kg	3/25/2016	210	--	--	150	No
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Manganese	7439-96-5	ug/kg	3/25/2016	416,000	--	--	65	No
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Nickel	7440-02-0	ug/kg	3/25/2016	15,400	--	--	65	No
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Nitrate	14797-55-8	ug/kg	3/25/2016	575,000	--	--	0	Yes
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Selenium	7782-49-2	ug/kg	3/25/2016	1,700	--	--	5.0	No
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Uranium	7440-61-1	ug/kg	3/25/2016	580	--	--	0	Yes
UPR-200-E-89	C9550	B34T30	154	155	Rad	Technetium-99	14133-76-7	pCi/g	3/25/2016	46	--	--	0	Yes
UPR-200-E-89	C9550	B34T29	130	131	non-Rad	Aluminum	7429-90-5	ug/kg	3/24/2016	9.47E+06	--	--	1,500	No
UPR-200-E-89	C9550	B34T29	130	131	non-Rad	Antimony	7440-36-0	ug/kg	3/24/2016	320	--	--	45	No
UPR-200-E-89	C9550	B34T29	130	131	non-Rad	Arsenic	7440-38-2	ug/kg	3/24/2016	4,500	--	--	29	No
UPR-200-E-89	C9550	B34T29	130	131	non-Rad	Barium	7440-39-3	ug/kg	3/24/2016	66,800	--	--	41	No
UPR-200-E-89	C9550	B34T29	130	131	non-Rad	Copper	7440-50-8	ug/kg	3/24/2016	16,300	--	--	22	No
UPR-200-E-89	C9550	B34T29	130	131	non-Rad	Fluoride	16984-48-8	ug/kg	3/24/2016	240	--	--	150	No
UPR-200-E-89	C9550	B34T29	130	131	non-Rad	Manganese	7439-96-5	ug/kg	3/24/2016	348,000	--	--	65	No
UPR-200-E-89	C9550	B34T29	130	131	non-Rad	Nickel	7440-02-0	ug/kg	3/24/2016	16,600	--	--	65	No
UPR-200-E-89	C9550	B34T29	130	131	non-Rad	Nitrate	14797-55-8	ug/kg	3/24/2016	620,000	--	--	0	Yes
UPR-200-E-89	C9550	B34T29	130	131	non-Rad	Nitrite	14797-65-0	ug/kg	3/24/2016	394	--	--	0	Yes
UPR-200-E-89	C9550	B34T29	130	131	non-Rad	Selenium	7782-49-2	ug/kg	3/24/2016	1,600	--	--	5.0	No
UPR-200-E-89	C9550	B34T29	130	131	non-Rad	Uranium	7440-61-1	ug/kg	3/24/2016	980	--	--	0	Yes
UPR-200-E-89	C9550	B34T28	130	131	Rad	Technetium-99	14133-76-7	pCi/g	3/24/2016	28	--	--	0	Yes
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Aluminum	7429-90-5	ug/kg	3/25/2016	1.03E+07	--	--	1,500	No
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Antimony	7440-36-0	ug/kg	3/25/2016	320	--	--	45	No
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Arsenic	7440-38-2	ug/kg	3/25/2016	5,700	--	--	29	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Barium	7440-39-3	ug/kg	3/25/2016	83,500	--	--	41	No
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Cadmium	7440-43-9	ug/kg	3/25/2016	81	--	--	6.7	No
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Copper	7440-50-8	ug/kg	3/25/2016	17,500	--	--	22	No
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Fluoride	16984-48-8	ug/kg	3/25/2016	360	--	--	150	No
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Manganese	7439-96-5	ug/kg	3/25/2016	422,000	--	--	65	No
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Nickel	7440-02-0	ug/kg	3/25/2016	23,400	--	--	65	No
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Nitrate	14797-55-8	ug/kg	3/25/2016	323,000	--	--	0	Yes
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Nitrite	14797-65-0	ug/kg	3/25/2016	292	--	--	0	Yes
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Selenium	7782-49-2	ug/kg	3/25/2016	1,500	--	--	5.0	No
UPR-200-E-89	C9550	B34T27	110	111	non-Rad	Uranium	7440-61-1	ug/kg	3/25/2016	640	--	--	0	Yes
UPR-200-E-89	C9550	B34T26	110	111	Rad	Technetium-99	14133-76-7	pCi/g	3/25/2016	11	--	--	0	Yes
UPR-200-E-89	C9550	B34T25	101	102	non-Rad	Aluminum	7429-90-5	ug/kg	3/24/2016	1.02E+07	--	--	1,500	No
UPR-200-E-89	C9550	B34T25	101	102	non-Rad	Arsenic	7440-38-2	ug/kg	3/24/2016	5,500	--	--	29	No
UPR-200-E-89	C9550	B34T25	101	102	non-Rad	Barium	7440-39-3	ug/kg	3/24/2016	125,000	--	--	41	No
UPR-200-E-89	C9550	B34T25	101	102	non-Rad	Cadmium	7440-43-9	ug/kg	3/24/2016	92	--	--	6.7	No
UPR-200-E-89	C9550	B34T25	101	102	non-Rad	Copper	7440-50-8	ug/kg	3/24/2016	15,400	--	--	22	No
UPR-200-E-89	C9550	B34T25	101	102	non-Rad	Fluoride	16984-48-8	ug/kg	3/24/2016	290	--	--	150	No
UPR-200-E-89	C9550	B34T25	101	102	non-Rad	Manganese	7439-96-5	ug/kg	3/24/2016	611,000	--	--	65	No
UPR-200-E-89	C9550	B34T25	101	102	non-Rad	Nickel	7440-02-0	ug/kg	3/24/2016	22,500	--	--	65	No
UPR-200-E-89	C9550	B34T25	101	102	non-Rad	Nitrate	14797-55-8	ug/kg	3/24/2016	4,870	--	--	0	Yes
UPR-200-E-89	C9550	B34T25	101	102	non-Rad	Selenium	7782-49-2	ug/kg	3/24/2016	1,500	--	--	5.0	No
UPR-200-E-89	C9550	B34T25	101	102	non-Rad	Silver	7440-22-4	ug/kg	3/24/2016	200	--	--	8.3	No
UPR-200-E-89	C9550	B34T25	101	102	non-Rad	Uranium	7440-61-1	ug/kg	3/24/2016	800	--	--	0	Yes
UPR-200-E-89	C9550	B34T24	101	102	Rad	Technetium-99	14133-76-7	pCi/g	3/24/2016	0.99	--	--	0	Yes
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Aluminum	7429-90-5	ug/kg	3/24/2016	9.53E+06	--	--	1,500	No
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Arsenic	7440-38-2	ug/kg	3/24/2016	2,900	--	--	29	No
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Barium	7440-39-3	ug/kg	3/24/2016	61,800	--	--	41	No
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Cadmium	7440-43-9	ug/kg	3/24/2016	120	--	--	6.7	No
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Copper	7440-50-8	ug/kg	3/24/2016	11,600	--	--	22	No
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Fluoride	16984-48-8	ug/kg	3/24/2016	310	--	--	150	No
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Manganese	7439-96-5	ug/kg	3/24/2016	287,000	--	--	65	No
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Nickel	7440-02-0	ug/kg	3/24/2016	11,800	--	--	65	No
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Nitrate	14797-55-8	ug/kg	3/24/2016	3,850	--	--	0	Yes
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Nitrite	14797-65-0	ug/kg	3/24/2016	263	--	--	0	Yes
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Selenium	7782-49-2	ug/kg	3/24/2016	1,300	--	--	5.0	No
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Silver	7440-22-4	ug/kg	3/24/2016	250	--	--	8.3	No
UPR-200-E-89	C9550	B34T23	67	68	non-Rad	Uranium	7440-61-1	ug/kg	3/24/2016	880	--	--	0	Yes
UPR-200-E-89	C9550	B34T21	50	52	non-Rad	Aluminum	7429-90-5	ug/kg	3/18/2016	9.04E+06	--	--	1,500	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-E-89	C9550	B34T21	50	52	non-Rad	Arsenic	7440-38-2	ug/kg	3/18/2016	2,900	--	--	29	No
UPR-200-E-89	C9550	B34T21	50	52	non-Rad	Barium	7440-39-3	ug/kg	3/18/2016	51,500	--	--	41	No
UPR-200-E-89	C9550	B34T21	50	52	non-Rad	Cadmium	7440-43-9	ug/kg	3/18/2016	85	--	--	6.7	No
UPR-200-E-89	C9550	B34T21	50	52	non-Rad	Copper	7440-50-8	ug/kg	3/18/2016	14,900	--	--	22	No
UPR-200-E-89	C9550	B34T21	50	52	non-Rad	Fluoride	16984-48-8	ug/kg	3/18/2016	200	--	--	150	No
UPR-200-E-89	C9550	B34T21	50	52	non-Rad	Manganese	7439-96-5	ug/kg	3/18/2016	381,000	--	--	65	No
UPR-200-E-89	C9550	B34T21	50	52	non-Rad	Nickel	7440-02-0	ug/kg	3/18/2016	16,500	--	--	65	No
UPR-200-E-89	C9550	B34T21	50	52	non-Rad	Nitrate	14797-55-8	ug/kg	3/18/2016	6,200	--	--	0	Yes
UPR-200-E-89	C9550	B34T21	50	52	non-Rad	Nitrite	14797-65-0	ug/kg	3/18/2016	217	--	--	0	Yes
UPR-200-E-89	C9550	B34T21	50	52	non-Rad	Selenium	7782-49-2	ug/kg	3/18/2016	880	--	--	5.0	No
UPR-200-E-89	C9550	B34T21	50	52	non-Rad	Uranium	7440-61-1	ug/kg	3/18/2016	750	--	--	0	Yes
UPR-200-E-89	C9550	B320W0	8.2	11	non-Rad	Antimony	7440-36-0	ug/kg	10/1/2015	1,650	130	Yes	45	No
UPR-200-E-89	C9550	B320W0	8.2	11	non-Rad	Molybdenum	7439-98-7	ug/kg	10/1/2015	2,210	470	Yes	20	No
UPR-200-E-89	C9550	B320W0	8.2	11	non-Rad	Silver	7440-22-4	ug/kg	10/1/2015	268	167	Yes	8.3	No
UPR-200-W-99	299-W14-15	B10Y93	236	238	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	11/20/2000	96	--	--	111	No
UPR-200-W-99	299-W14-15	B10Y93	236	238	non-Rad	Methylene chloride	75-09-2	ug/kg	11/20/2000	11	--	--	0.010	Yes
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Acetone	67-64-1	ug/kg	8/28/2000	14	--	--	5.75E-04	Yes
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Arsenic	7440-38-2	ug/kg	8/28/2000	890	--	--	29	No
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Barium	7440-39-3	ug/kg	8/28/2000	23,400	--	--	41	No
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Methylene chloride	75-09-2	ug/kg	8/28/2000	14	--	--	0.010	Yes
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Nitrate	14797-55-8	ug/kg	8/28/2000	1,600	--	--	0	Yes
UPR-200-W-99	299-W14-15	B0YVY9	236	238	Rad	Tritium	10028-17-8	pCi/g	8/28/2000	0.033	--	--	0	Yes
UPR-200-W-99	299-W14-15	B0YVY9	236	238	non-Rad	Uranium	7440-61-1	ug/kg	8/28/2000	568	--	--	0	Yes
UPR-200-W-99	299-W14-15	B0YVY8	222	225	Rad	Tritium	10028-17-8	pCi/g	8/28/2000	0.036	--	--	0	Yes
UPR-200-W-99	299-W14-15	B0YVY8	222	225	non-Rad	Uranium	7440-61-1	ug/kg	8/28/2000	908	--	--	0	Yes
UPR-200-W-99	299-W14-15	B0YVY7	5.0	10	non-Rad	2-Butanone	78-93-3	ug/kg	8/22/2000	1.0	--	--	0.0045	Yes
UPR-200-W-99	299-W14-15	B0YVY7	5.0	10	non-Rad	Acetone	67-64-1	ug/kg	8/22/2000	6.0	--	--	5.75E-04	Yes
UPR-200-W-99	299-W14-15	B0YVY7	5.0	10	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/22/2000	20	--	--	111	No
UPR-200-W-99	299-W14-15	B0YVY7	5.0	10	non-Rad	Methylene chloride	75-09-2	ug/kg	8/22/2000	9.0	--	--	0.010	Yes
UPR-200-W-99	299-W14-15	B0YVY7	5.0	10	Rad	Plutonium-239/240	PU-239/240	pCi/g	8/22/2000	0.031	0.025	Yes	200	No
UPR-200-W-99	299-W14-15	B0YVY6	6.0	10	Rad	Cesium-137	10045-97-3	pCi/g	8/22/2000	3.1	1.1	Yes	50	No
UPR-200-W-99	299-W14-15	B0YVY6	6.0	10	Rad	Strontium-90	10098-97-2	pCi/g	8/22/2000	7.2	0.18	Yes	25	No
UPR-200-W-99	299-W14-15	B0YVY5	5.0	5.0	Rad	Cesium-137	10045-97-3	pCi/g	8/22/2000	2.8	1.1	Yes	50	No
UPR-200-W-99	299-W14-15	B0YVY5	5.0	5.0	Rad	Strontium-90	10098-97-2	pCi/g	8/22/2000	0.43	0.18	Yes	25	No
UPR-200-W-99	299-W14-19	B15VT5	0	5.0	non-Rad	2-Chlorophenol	95-57-8	ug/kg	10/28/2002	23	--	--	0.39	Yes
UPR-200-W-99	299-W14-19	B15VT5	0	5.0	non-Rad	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/28/2002	22	--	--	0.49	Yes
UPR-200-W-99	299-W14-19	B15VT5	0	5.0	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/28/2002	790	--	--	111	No
UPR-200-W-99	299-W14-19	B15VT5	0	5.0	Rad	Carbon-14	14762-75-5	pCi/g	10/28/2002	3.3	--	--	0	Yes

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-W-99	299-W14-19	B15VT5	0	5.0	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/28/2002	740	--	--	0	Yes
UPR-200-W-99	299-W14-19	B15VT5	0	5.0	non-Rad	Methylene chloride	75-09-2	ug/kg	10/28/2002	12	--	--	0.010	Yes
UPR-200-W-99	299-W14-19	B15VT5	0	5.0	non-Rad	Molybdenum	7439-98-7	ug/kg	10/28/2002	480	470	Yes	20	No
UPR-200-W-99	299-W14-19	B15VT5	0	5.0	non-Rad	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/28/2002	19	--	--	0.024	Yes
UPR-200-W-99	299-W14-19	B15VT5	0	5.0	non-Rad	Phenol	108-95-2	ug/kg	10/28/2002	40	--	--	0.029	Yes
UPR-200-W-99	299-W14-19	B15VT5	0	5.0	non-Rad	Pyrene	129-00-0	ug/kg	10/28/2002	20	--	--	68	No
UPR-200-W-99	299-W14-19	B15VT5	0	5.0	non-Rad	Tin	7440-31-5	ug/kg	10/28/2002	1,700	--	--	250	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Antimony	7440-36-0	ug/kg	10/28/2002	260	--	--	45	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Arsenic	7440-38-2	ug/kg	10/28/2002	3,200	--	--	29	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Barium	7440-39-3	ug/kg	10/28/2002	73,700	--	--	41	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Beryllium	7440-41-7	ug/kg	10/28/2002	430	--	--	790	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/28/2002	41	--	--	111	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	Rad	Carbon-14	14762-75-5	pCi/g	10/28/2002	2.6	--	--	0	Yes
UPR-200-W-99	299-W14-19	B15VT4	0	30	Rad	Cesium-137	10045-97-3	pCi/g	10/28/2002	0.11	--	--	50	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Copper	7440-50-8	ug/kg	10/28/2002	14,400	--	--	22	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Manganese	7439-96-5	ug/kg	10/28/2002	320,000	--	--	65	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Methylene chloride	75-09-2	ug/kg	10/28/2002	16	--	--	0.010	Yes
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Molybdenum	7439-98-7	ug/kg	10/28/2002	1,500	--	--	20	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Nickel	7440-02-0	ug/kg	10/28/2002	10,100	--	--	65	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Nitrate	14797-55-8	ug/kg	10/28/2002	27,100	--	--	0	Yes
UPR-200-W-99	299-W14-19	B15VT4	0	30	Rad	Strontium-90	10098-97-2	pCi/g	10/28/2002	0.55	--	--	25	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Tin	7440-31-5	ug/kg	10/28/2002	2,500	--	--	250	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	Rad	Tin-126	15832-50-5	pCi/g	10/28/2002	0.22	--	--	31	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Vanadium	7440-62-2	ug/kg	10/28/2002	59,500	--	--	1,000	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Zinc	7440-66-6	ug/kg	10/28/2002	43,200	--	--	62	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	Rad	Americium-241	14596-10-2	pCi/g	5/12/2009	0.046	--	--	200	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	non-Rad	Aroclor-1260	11096-82-5	ug/kg	5/12/2009	110	--	--	822	No
UPR-200-W-99	299-W14-20	B20KP2	0	10	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	5/12/2009	220	--	--	111	No
UPR-200-W-99	299-W14-20	B1YMN0	218	219	non-Rad	2-Butanone	78-93-3	ug/kg	4/6/2009	32	--	--	0.0045	Yes
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Aluminum	7429-90-5	ug/kg	3/27/2009	8.35E+06	--	--	1,500	No
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Barium	7440-39-3	ug/kg	3/27/2009	92,500	--	--	41	No
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Cobalt	7440-48-4	ug/kg	3/27/2009	7,650	--	--	45	No
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Copper	7440-50-8	ug/kg	3/27/2009	19,100	--	--	22	No
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Iron	7439-89-6	ug/kg	3/27/2009	2.20E+07	--	--	25	No
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Lithium	7439-93-2	ug/kg	3/27/2009	7,320	--	--	300	No
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Manganese	7439-96-5	ug/kg	3/27/2009	330,000	--	--	65	No
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Nickel	7440-02-0	ug/kg	3/27/2009	11,300	--	--	65	No
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Strontium	7440-24-6	ug/kg	3/27/2009	37,400	--	--	35	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Thallium	7440-28-0	ug/kg	3/27/2009	36,700	--	--	71	No
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Vanadium	7440-62-2	ug/kg	3/27/2009	47,700	--	--	1,000	No
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Zinc	7440-66-6	ug/kg	3/27/2009	38,400	--	--	62	No
UPR-200-W-99	299-W14-20	B1YMC6	130	130	non-Rad	Zirconium	7440-67-7	ug/kg	3/27/2009	14,600	--	--	3,000	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Aluminum	7429-90-5	ug/kg	3/27/2009	9.56E+06	--	--	1,500	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Barium	7440-39-3	ug/kg	3/27/2009	70,400	--	--	41	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Beryllium	7440-41-7	ug/kg	3/27/2009	351	--	--	790	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Cobalt	7440-48-4	ug/kg	3/27/2009	9,980	--	--	45	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Copper	7440-50-8	ug/kg	3/27/2009	14,300	--	--	22	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Iron	7439-89-6	ug/kg	3/27/2009	1.70E+07	--	--	25	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Lithium	7439-93-2	ug/kg	3/27/2009	10,400	--	--	300	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Manganese	7439-96-5	ug/kg	3/27/2009	347,000	--	--	65	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Nickel	7440-02-0	ug/kg	3/27/2009	14,800	--	--	65	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Strontium	7440-24-6	ug/kg	3/27/2009	34,500	--	--	35	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Thallium	7440-28-0	ug/kg	3/27/2009	37,400	--	--	71	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Vanadium	7440-62-2	ug/kg	3/27/2009	39,200	--	--	1,000	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Zinc	7440-66-6	ug/kg	3/27/2009	40,400	--	--	62	No
UPR-200-W-99	299-W14-20	B1YMC5	125	125	non-Rad	Zirconium	7440-67-7	ug/kg	3/27/2009	6,690	--	--	3,000	No
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Aluminum	7429-90-5	ug/kg	3/27/2009	7.38E+06	--	--	1,500	No
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Barium	7440-39-3	ug/kg	3/27/2009	73,000	--	--	41	No
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Cobalt	7440-48-4	ug/kg	3/27/2009	6,480	--	--	45	No
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Copper	7440-50-8	ug/kg	3/27/2009	9,910	--	--	22	No
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Iron	7439-89-6	ug/kg	3/27/2009	1.22E+07	--	--	25	No
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Lithium	7439-93-2	ug/kg	3/27/2009	8,440	--	--	300	No
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Manganese	7439-96-5	ug/kg	3/27/2009	222,000	--	--	65	No
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Silver	7440-22-4	ug/kg	3/27/2009	1,740	--	--	8.3	No
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Strontium	7440-24-6	ug/kg	3/27/2009	97,900	--	--	35	No
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Vanadium	7440-62-2	ug/kg	3/27/2009	26,400	--	--	1,000	No
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Zinc	7440-66-6	ug/kg	3/27/2009	28,700	--	--	62	No
UPR-200-W-99	299-W14-20	B1YMC4	120	120	non-Rad	Zirconium	7440-67-7	ug/kg	3/27/2009	4,140	--	--	3,000	No
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Aluminum	7429-90-5	ug/kg	3/27/2009	7.59E+06	--	--	1,500	No
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Barium	7440-39-3	ug/kg	3/27/2009	66,300	--	--	41	No
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Cobalt	7440-48-4	ug/kg	3/27/2009	6,300	--	--	45	No
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Copper	7440-50-8	ug/kg	3/27/2009	9,300	--	--	22	No
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Iron	7439-89-6	ug/kg	3/27/2009	1.42E+07	--	--	25	No
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Lithium	7439-93-2	ug/kg	3/27/2009	8,310	--	--	300	No
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Manganese	7439-96-5	ug/kg	3/27/2009	238,000	--	--	65	No
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Nickel	7440-02-0	ug/kg	3/27/2009	15,200	--	--	65	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Strontium	7440-24-6	ug/kg	3/27/2009	53,200	--	--	35	No
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Thallium	7440-28-0	ug/kg	3/27/2009	50,900	--	--	71	No
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Vanadium	7440-62-2	ug/kg	3/27/2009	32,400	--	--	1,000	No
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Zinc	7440-66-6	ug/kg	3/27/2009	28,600	--	--	62	No
UPR-200-W-99	299-W14-20	B1YMC3	115	115	non-Rad	Zirconium	7440-67-7	ug/kg	3/27/2009	7,890	--	--	3,000	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Aluminum	7429-90-5	ug/kg	3/26/2009	1.03E+07	--	--	1,500	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Barium	7440-39-3	ug/kg	3/26/2009	112,000	--	--	41	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Beryllium	7440-41-7	ug/kg	3/26/2009	369	--	--	790	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Cobalt	7440-48-4	ug/kg	3/26/2009	6,060	--	--	45	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Copper	7440-50-8	ug/kg	3/26/2009	12,400	--	--	22	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Iron	7439-89-6	ug/kg	3/26/2009	1.38E+07	--	--	25	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Lithium	7439-93-2	ug/kg	3/26/2009	8,250	--	--	300	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Manganese	7439-96-5	ug/kg	3/26/2009	229,000	--	--	65	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Nickel	7440-02-0	ug/kg	3/26/2009	14,400	--	--	65	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Strontium	7440-24-6	ug/kg	3/26/2009	170,000	--	--	35	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Vanadium	7440-62-2	ug/kg	3/26/2009	31,600	--	--	1,000	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Zinc	7440-66-6	ug/kg	3/26/2009	24,600	--	--	62	No
UPR-200-W-99	299-W14-20	B1YMC2	110	110	non-Rad	Zirconium	7440-67-7	ug/kg	3/26/2009	12,600	--	--	3,000	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Aluminum	7429-90-5	ug/kg	3/26/2009	8.89E+06	--	--	1,500	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Barium	7440-39-3	ug/kg	3/26/2009	92,100	--	--	41	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Cobalt	7440-48-4	ug/kg	3/26/2009	6,310	--	--	45	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Copper	7440-50-8	ug/kg	3/26/2009	8,450	--	--	22	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Iron	7439-89-6	ug/kg	3/26/2009	1.41E+07	--	--	25	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Lithium	7439-93-2	ug/kg	3/26/2009	6,410	--	--	300	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Manganese	7439-96-5	ug/kg	3/26/2009	218,000	--	--	65	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Nickel	7440-02-0	ug/kg	3/26/2009	10,900	--	--	65	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Strontium	7440-24-6	ug/kg	3/26/2009	146,000	--	--	35	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Thallium	7440-28-0	ug/kg	3/26/2009	49,300	--	--	71	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Vanadium	7440-62-2	ug/kg	3/26/2009	43,900	--	--	1,000	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Zinc	7440-66-6	ug/kg	3/26/2009	25,200	--	--	62	No
UPR-200-W-99	299-W14-20	B1YMC1	105	105	non-Rad	Zirconium	7440-67-7	ug/kg	3/26/2009	13,300	--	--	3,000	No
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Aluminum	7429-90-5	ug/kg	3/26/2009	5.49E+06	--	--	1,500	No
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Barium	7440-39-3	ug/kg	3/26/2009	74,500	--	--	41	No
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Cobalt	7440-48-4	ug/kg	3/26/2009	7,930	--	--	45	No
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Copper	7440-50-8	ug/kg	3/26/2009	9,370	--	--	22	No
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Iron	7439-89-6	ug/kg	3/26/2009	8.61E+06	--	--	25	No
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Lithium	7439-93-2	ug/kg	3/26/2009	4,780	--	--	300	No
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Manganese	7439-96-5	ug/kg	3/26/2009	115,000	--	--	65	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Strontium	7440-24-6	ug/kg	3/26/2009	210,000	--	--	35	No
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Vanadium	7440-62-2	ug/kg	3/26/2009	23,400	--	--	1,000	No
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Zinc	7440-66-6	ug/kg	3/26/2009	16,200	--	--	62	No
UPR-200-W-99	299-W14-20	B1YMC0	100	100	non-Rad	Zirconium	7440-67-7	ug/kg	3/26/2009	6,920	--	--	3,000	No
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Aluminum	7429-90-5	ug/kg	3/26/2009	9.62E+06	--	--	1,500	No
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Barium	7440-39-3	ug/kg	3/26/2009	77,200	--	--	41	No
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Cobalt	7440-48-4	ug/kg	3/26/2009	5,440	--	--	45	No
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Copper	7440-50-8	ug/kg	3/26/2009	11,900	--	--	22	No
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Iron	7439-89-6	ug/kg	3/26/2009	1.27E+07	--	--	25	No
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Lithium	7439-93-2	ug/kg	3/26/2009	11,400	--	--	300	No
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Manganese	7439-96-5	ug/kg	3/26/2009	267,000	--	--	65	No
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Nickel	7440-02-0	ug/kg	3/26/2009	10,700	--	--	65	No
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Strontium	7440-24-6	ug/kg	3/26/2009	25,300	--	--	35	No
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Vanadium	7440-62-2	ug/kg	3/26/2009	21,100	--	--	1,000	No
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Zinc	7440-66-6	ug/kg	3/26/2009	31,200	--	--	62	No
UPR-200-W-99	299-W14-20	B1YMB9	95	95	non-Rad	Zirconium	7440-67-7	ug/kg	3/26/2009	5,630	--	--	3,000	No
UPR-200-W-99	299-W14-20	B1YM92	0	228	non-Rad	Aluminum	7429-90-5	ug/kg	4/10/2009	6.73E+06	--	--	1,500	No
UPR-200-W-99	299-W14-20	B1YM92	0	228	non-Rad	Arsenic	7440-38-2	ug/kg	4/10/2009	392	--	--	29	No
UPR-200-W-99	299-W14-20	B1YM92	0	228	non-Rad	Barium	7440-39-3	ug/kg	4/10/2009	58,700	--	--	41	No
UPR-200-W-99	299-W14-20	B1YM92	0	228	non-Rad	Cobalt	7440-48-4	ug/kg	4/10/2009	8,310	--	--	45	No
UPR-200-W-99	299-W14-20	B1YM92	0	228	non-Rad	Copper	7440-50-8	ug/kg	4/10/2009	7,950	--	--	22	No
UPR-200-W-99	299-W14-20	B1YM92	0	228	non-Rad	Fluoride	16984-48-8	ug/kg	4/10/2009	559	--	--	150	No
UPR-200-W-99	299-W14-20	B1YM92	0	228	non-Rad	Iron	7439-89-6	ug/kg	4/10/2009	1.81E+07	--	--	25	No
UPR-200-W-99	299-W14-20	B1YM92	0	228	non-Rad	Manganese	7439-96-5	ug/kg	4/10/2009	457,000	--	--	65	No
UPR-200-W-99	299-W14-20	B1YM92	0	228	non-Rad	Strontium	7440-24-6	ug/kg	4/10/2009	18,400	--	--	35	No
UPR-200-W-99	299-W14-20	B1YM92	0	228	non-Rad	Vanadium	7440-62-2	ug/kg	4/10/2009	26,700	--	--	1,000	No
UPR-200-W-99	299-W14-20	B1YM92	0	228	non-Rad	Zinc	7440-66-6	ug/kg	4/10/2009	31,700	--	--	62	No
UPR-200-W-99	299-W14-20	B1YM92	0	228	non-Rad	Zirconium	7440-67-7	ug/kg	4/10/2009	7,610	--	--	3,000	No
UPR-200-W-99	299-W14-20	B1YM91	218	219	non-Rad	Aluminum	7429-90-5	ug/kg	4/6/2009	6.98E+06	--	--	1,500	No
UPR-200-W-99	299-W14-20	B1YM91	218	219	non-Rad	Arsenic	7440-38-2	ug/kg	4/6/2009	416	--	--	29	No
UPR-200-W-99	299-W14-20	B1YM91	218	219	non-Rad	Barium	7440-39-3	ug/kg	4/6/2009	102,000	--	--	41	No
UPR-200-W-99	299-W14-20	B1YM91	218	219	non-Rad	Cobalt	7440-48-4	ug/kg	4/6/2009	9,730	--	--	45	No
UPR-200-W-99	299-W14-20	B1YM91	218	219	non-Rad	Copper	7440-50-8	ug/kg	4/6/2009	7,540	--	--	22	No
UPR-200-W-99	299-W14-20	B1YM91	218	219	non-Rad	Fluoride	16984-48-8	ug/kg	4/6/2009	531	--	--	150	No
UPR-200-W-99	299-W14-20	B1YM91	218	219	non-Rad	Iron	7439-89-6	ug/kg	4/6/2009	1.98E+07	--	--	25	No
UPR-200-W-99	299-W14-20	B1YM91	218	219	non-Rad	Manganese	7439-96-5	ug/kg	4/6/2009	500,000	--	--	65	No
UPR-200-W-99	299-W14-20	B1YM91	218	219	non-Rad	Strontium	7440-24-6	ug/kg	4/6/2009	19,100	--	--	35	No
UPR-200-W-99	299-W14-20	B1YM91	218	219	non-Rad	Vanadium	7440-62-2	ug/kg	4/6/2009	22,900	--	--	1,000	No

Table 14. 200-IA-1 Operable Unit Comparison of Analytes to Distribution Coefficients

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lognormal 90th Percentile Background Value	Is Measured Concentration > Lognormal 90th Percentile Background Value?	K_d (mL/g)	K_d < 2?
UPR-200-W-99	299-W14-20	B1YM91	218	219	non-Rad	Zinc	7440-66-6	ug/kg	4/6/2009	35,000	--	--	62	No
UPR-200-W-99	299-W14-20	B1YM91	218	219	non-Rad	Zirconium	7440-67-7	ug/kg	4/6/2009	8,440	--	--	3,000	No
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Arsenic	7440-38-2	ug/kg	3/26/2009	5,500	--	--	29	No
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Cadmium	7440-43-9	ug/kg	3/26/2009	67	--	--	6.7	No
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Fluoride	16984-48-8	ug/kg	3/26/2009	388	--	--	150	No
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Nitrate	14797-55-8	ug/kg	3/26/2009	55,400	--	--	0	Yes
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Nitrite	14797-65-0	ug/kg	3/26/2009	1,490	--	--	0	Yes
UPR-200-W-99	299-W14-20	B1YD16	0	228	non-Rad	Nitrate	14797-55-8	ug/kg	4/10/2009	40,300	--	--	0	Yes
UPR-200-W-99	299-W14-20	B1YD16	0	228	Rad	Technetium-99	14133-76-7	pCi/g	4/10/2009	2.4	--	--	0	Yes
UPR-200-W-99	299-W14-20	B1YD16	0	228	non-Rad	Uranium	7440-61-1	ug/kg	4/10/2009	390	--	--	0	Yes
UPR-200-W-99	299-W14-20	B1YD15	218	219	Rad	Technetium-99	14133-76-7	pCi/g	4/6/2009	0.39	--	--	0	Yes
UPR-200-W-99	299-W14-20	B1YD15	218	219	non-Rad	Uranium	7440-61-1	ug/kg	4/6/2009	440	--	--	0	Yes
UPR-200-W-99	299-W14-20	B1YD14	90	93	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	3/26/2009	300	--	--	0	Yes
UPR-200-W-99	299-W14-20	B1YD14	90	93	non-Rad	Nitrate	14797-55-8	ug/kg	3/26/2009	44,300	--	--	0	Yes
UPR-200-W-99	299-W14-20	B1YD14	90	93	Rad	Technetium-99	14133-76-7	pCi/g	3/26/2009	0.61	--	--	0	Yes
UPR-200-W-99	299-W14-20	B1YD14	90	93	Rad	Tritium	10028-17-8	pCi/g	3/26/2009	39	--	--	0	Yes
UPR-200-W-99	299-W14-20	B1YD14	90	93	non-Rad	Uranium	7440-61-1	ug/kg	3/26/2009	620	--	--	0	Yes

Table 15. Final Data Set for the Outdoor Worker Risk Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Analyte	Units	Measured Soil Concentration	Laboratory Qualifier
200-E-115	C7680	B26C26	5	7	8/27/2010	2,3',4,4',5-Pentachlorobiphenyl	ug/kg	5.00E-04	BJX
200-E-115	C7680	B26C26	5	7	8/27/2010	Amylene Hydrate	ug/kg	210	BJN
200-E-115	C7680	B26C26	5	7	8/27/2010	Antimony	ug/kg	202	B
200-E-115	C7680	B26C26	5	7	8/27/2010	Nitrite	ug/kg	736	B
200-E-115	C7680	B26C26	5	7	8/27/2010	Strontium	ug/kg	23,700	NM
200-E-115	C7680	B26C26	5	7	8/27/2010	Zirconium	ug/kg	14,300	N
200-E-115	C7680	B26C26	5	7	8/27/2010	Selenium-79	pCi/g	2.2	B
200-E-115	C7680	B26C27	5	7	8/27/2010	Styrene	ug/kg	0.33	BJ
200-E-115	C7680	B26C27	5	7	8/27/2010	Toluene	ug/kg	0.39	BJ
200-E-115	C7680	B26C28	10	12	8/29/2010	Amylene Hydrate	ug/kg	230	BJN
200-E-115	C7680	B26C28	10	12	8/29/2010	Nitrite	ug/kg	613	B
200-E-115	C7680	B26C28	10	12	8/29/2010	Selenium	ug/kg	965	B
200-E-115	C7680	B26C28	10	12	8/29/2010	Strontium	ug/kg	20,200	NM
200-E-115	C7680	B26C28	10	12	8/29/2010	Zirconium	ug/kg	19,300	N
200-E-115	C7680	B26C28	10	12	8/29/2010	Selenium-79	pCi/g	2.6	B
200-E-115	C7680	B26C30	14	16	8/29/2010	2,3',4,4',5-Pentachlorobiphenyl	ug/kg	5.10E-04	BJ
200-E-115	C7680	B26C30	14	16	8/29/2010	Amylene Hydrate	ug/kg	260	BJN
200-E-115	C7680	B26C30	14	16	8/29/2010	Chromium	ug/kg	26,800	M
200-E-115	C7680	B26C30	14	16	8/29/2010	Nitrite	ug/kg	1,120	B
200-E-115	C7680	B26C30	14	16	8/29/2010	Strontium	ug/kg	35,100	NM
200-E-115	C7680	B26C30	14	16	8/29/2010	Zirconium	ug/kg	18,700	N
200-E-115	C7680	B26C31	14	16	8/29/2010	Styrene	ug/kg	0.27	BJ
200-E-115	C7680	B26C31	14	16	8/29/2010	Toluene	ug/kg	0.60	BJ
200-E-115	C7680	B26JK8	0	1	8/26/2010	Antimony	ug/kg	214	B
200-E-115	C7680	B26JK8	0	1	8/26/2010	Nitrite	ug/kg	232	B
200-E-115	C7680	B26JK8	0	1	8/26/2010	Strontium	ug/kg	32,600	B
200-E-115	C7680	B26JK8	0	1	8/26/2010	Tungsten	ug/kg	39,500	B
200-E-115	C7680	B26JK8	0	1	8/26/2010	Zirconium	ug/kg	12,800	N
200-E-115	C7680	B26JK8	0	1	8/26/2010	Tritium	pCi/g	45	
200-E-115	C7680	B26JK9	0	1	8/26/2010	2,3,3',4,4'-Pentachlorobiphenyl	ug/kg	7.40E-04	J
200-E-115	C7680	B26JK9	0	1	8/26/2010	2,3',4,4',5-Pentachlorobiphenyl	ug/kg	0.0010	BJX
200-E-115	C7680	B26JK9	0	1	8/26/2010	3,3',4,4',5,5'-Hexachlorobiphenyl	ug/kg	0.0015	JX
200-E-115	C7680	B26JK9	0	1	8/26/2010	3,3',4,4',5-Pentachlorobiphenyl	ug/kg	4.30E-04	JX
200-E-115	C7680	B26JL8	0	1	8/26/2010	Styrene	ug/kg	0.31	BJ
200-E-115	C7680	B26JL8	0	1	8/26/2010	Toluene	ug/kg	0.27	BJ
200-E-115	C7682	B26C47	5	7	8/18/2010	2,3',4,4',5-Pentachlorobiphenyl	ug/kg	6.00E-04	BJX
200-E-115	C7682	B26C47	5	7	8/18/2010	Antimony	ug/kg	420	

Table 15. Final Data Set for the Outdoor Worker Risk Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Analyte	Units	Measured Soil Concentration	Laboratory Qualifier
200-E-115	C7682	B26C47	5	7	8/18/2010	Lead	ug/kg	11,300	
200-E-115	C7682	B26C47	5	7	8/18/2010	Selenium	ug/kg	1,000	
200-E-115	C7682	B26C47	5	7	8/18/2010	Strontium	ug/kg	21,500	
200-E-115	C7682	B26C47	5	7	8/18/2010	Zirconium	ug/kg	8,820	N
200-E-115	C7682	B26C47	5	7	8/18/2010	Carbon-14	pCi/g	3.5	
200-E-115	C7682	B26C48	5	7	8/18/2010	Styrene	ug/kg	0.33	BJ
200-E-115	C7682	B26C48	5	7	8/18/2010	Toluene	ug/kg	0.31	BJ
200-E-115	C7682	B26C50	10	12	8/18/2010	Styrene	ug/kg	0.36	BJ
200-E-115	C7682	B26C50	10	12	8/18/2010	Toluene	ug/kg	0.35	BJ
200-E-115	C7682	B26C51	12	14	8/18/2010	2,3,3',4,4'-Pentachlorobiphenyl	ug/kg	4.80E-04	JX
200-E-115	C7682	B26C51	12	14	8/18/2010	2,3',4,4',5-Pentachlorobiphenyl	ug/kg	9.00E-04	BJX
200-E-115	C7682	B26C51	12	14	8/18/2010	Molybdenum	ug/kg	1,980	B
200-E-115	C7682	B26C51	12	14	8/18/2010	Nitrite	ug/kg	1,850	B
200-E-115	C7682	B26C51	12	14	8/18/2010	Selenium	ug/kg	1,000	
200-E-115	C7682	B26C51	12	14	8/18/2010	Strontium	ug/kg	31,100	
200-E-115	C7682	B26C51	12	14	8/18/2010	Thallium	ug/kg	194	
200-E-115	C7682	B26C51	12	14	8/18/2010	Zirconium	ug/kg	5,790	
200-E-115	C7682	B26C51	12	14	8/18/2010	Tritium	pCi/g	1.7	
200-E-115	C7682	B26C53	14	16	8/19/2010	Butylbenzylphthalate	ug/kg	200	J
200-E-115	C7682	B26C53	14	16	8/19/2010	Molybdenum	ug/kg	2,000	B
200-E-115	C7682	B26C53	14	16	8/19/2010	Nitrite	ug/kg	1,340	B
200-E-115	C7682	B26C53	14	16	8/19/2010	Selenium	ug/kg	1,000	
200-E-115	C7682	B26C53	14	16	8/19/2010	Strontium	ug/kg	37,700	
200-E-115	C7682	B26C53	14	16	8/19/2010	Zirconium	ug/kg	11,900	N
200-E-115	C7682	B26C53	14	16	8/19/2010	Tritium	pCi/g	3.0	
200-E-115	C7682	B26C54	14	16	8/19/2010	Styrene	ug/kg	0.46	BJ
200-E-115	C7682	B26C54	14	16	8/19/2010	Toluene	ug/kg	1.1	B
200-E-115	C7682	B26JL0	0	1	8/17/2010	Amylene Hydrate	ug/kg	230	BJN
200-E-115	C7682	B26JL0	0	1	8/17/2010	Zirconium	ug/kg	9,310	N
200-E-115	C7682	B26JL1	0	1	8/17/2010	2,3,3',4,4'-Pentachlorobiphenyl	ug/kg	0.0012	JX
200-E-115	C7682	B26JL1	0	1	8/17/2010	2,3',4,4',5-Pentachlorobiphenyl	ug/kg	0.0032	BJ
200-E-115	C7682	B26JL1	0	1	8/17/2010	Antimony	ug/kg	218	
200-E-115	C7682	B26JL1	0	1	8/17/2010	Nitrate	ug/kg	54,600	
200-E-115	C7682	B26JL1	0	1	8/17/2010	Nitrite	ug/kg	1,210	B
200-E-115	C7682	B26JL1	0	1	8/17/2010	Selenium	ug/kg	1,000	
200-E-115	C7682	B26JL1	0	1	8/17/2010	Strontium	ug/kg	30,500	

Table 15. Final Data Set for the Outdoor Worker Risk Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Analyte	Units	Measured Soil Concentration	Laboratory Qualifier
200-E-115	C7682	B26JL1	0	1	8/17/2010	Total petroleum hydrocarbons - diesel range	ug/kg	12,000	BJ
200-E-115	C7682	B26JL1	0	1	8/17/2010	Tritium	pCi/g	1.7	
200-E-115	C7682	B26JM0	0	1	8/17/2010	Styrene	ug/kg	0.43	BJ
200-E-115	C7682	B26JM0	0	1	8/17/2010	Toluene	ug/kg	0.39	BJ
200-W-54	299-W22-84	B139C3	0	6	10/19/2001	Acetone	ug/kg	44	
200-W-54	299-W22-84	B139C3	0	6	10/19/2001	Tin	ug/kg	1,900	
200-W-54	299-W22-84	B139D1	0	6	10/19/2001	Hexavalent Chromium	ug/kg	490	
200-W-54	299-W22-84	B139D1	0	6	10/19/2001	Methylene chloride	ug/kg	11	B
200-W-54	299-W22-84	B139D1	0	6	10/19/2001	Molybdenum	ug/kg	530	
207-A-South	C4113	B17HR8	12.5	13.5	9/10/2003	Diethylphthalate	ug/kg	260	J
207-A-South	C4113	B17HR8	12.5	13.5	9/10/2003	Silver	ug/kg	2,040	
207-A-South	C4113	B17HR9	1	2	9/3/2003	Nitrogen in Nitrite and Nitrate	ug/kg	1,000	
207-A-South	C4113	B17HR9	1	2	9/3/2003	Strontium-90	pCi/g	0.46	
207-A-South	C4113	B17HR9	1	2	9/3/2003	Tritium	pCi/g	0.15	
207-A-South	C4113	B17HT0	2	3	9/3/2003	Nitrogen in Nitrite and Nitrate	ug/kg	5,100	
207-A-South	C4113	B17HT0	2	3	9/3/2003	Strontium-90	pCi/g	0.30	
207-A-South	C4113	B17HT0	2	3	9/3/2003	Tritium	pCi/g	0.33	
207-A-South	C4113	B17HT1	6	7	9/3/2003	Nitrogen in Nitrite and Nitrate	ug/kg	1,100	
207-A-South	C4113	B17HT2	12.5	13.5	9/10/2003	Nitrogen in Nitrite and Nitrate	ug/kg	530	
207-A-South	C4114	B17HX4	1	2	9/3/2003	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	ug/kg	3.3	
207-A-South	C4114	B17HX4	1	2	9/3/2003	Nitrogen in Nitrite and Nitrate	ug/kg	8,900	
207-A-South	C4114	B17HX4	1	2	9/3/2003	Strontium-90	pCi/g	0.94	
207-A-South	C4114	B17HX4	1	2	9/3/2003	Tritium	pCi/g	2.5	
207-A-South	C4114	B17HX5	2	3	9/3/2003	Nitrogen in Nitrite and Nitrate	ug/kg	20,900	D
207-A-South	C4114	B17HX5	2	3	9/3/2003	Strontium-90	pCi/g	0.90	
207-A-South	C4114	B17HX5	2	3	9/3/2003	Tritium	pCi/g	4.9	
207-A-South	C4114	B17HX6	6	7	9/4/2003	Nitrogen in Nitrite and Nitrate	ug/kg	4,500	
207-A-South	C4114	B17HX6	6	7	9/4/2003	Tritium	pCi/g	2.3	
207-A-South	C4114	B17HX7	12.5	13.5	9/10/2003	Nitrogen in Nitrite and Nitrate	ug/kg	2,400	
207-A-South	C4114	B17HX7	12.5	13.5	9/10/2003	Tritium	pCi/g	2.0	
207-A-South	C4114	B17HY3	12.5	13.5	9/10/2003	Diethylphthalate	ug/kg	210	J
207-A-South	C4114	B17HY3	12.5	13.5	9/10/2003	Americium-241	pCi/g	0.025	
207-A-South	C4115	B17HX8	1	2	9/3/2003	2,4-D(2,4-Dichlorophenoxyacetic acid)	ug/kg	7.1	
207-A-South	C4115	B17HX8	1	2	9/3/2003	Nitrogen in Nitrite and Nitrate	ug/kg	1,600	
207-A-South	C4115	B17HX8	1	2	9/3/2003	Strontium-90	pCi/g	0.82	

Table 15. Final Data Set for the Outdoor Worker Risk Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Analyte	Units	Measured Soil Concentration	Laboratory Qualifier
207-A-South	C4115	B17HX8	1	2	9/3/2003	Tritium	pCi/g	0.12	
207-A-South	C4115	B17HX9	2	3	9/3/2003	Nitrogen in Nitrite and Nitrate	ug/kg	920	
207-A-South	C4115	B17HX9	2	3	9/3/2003	Strontium-90	pCi/g	0.80	
207-A-South	C4115	B17HY4	6	7	9/4/2003	Nitrogen in Nitrite and Nitrate	ug/kg	13,200	D
207-A-South	C4115	B17HY4	6	7	9/4/2003	Tritium	pCi/g	6.6	
207-A-South	C4115	B17HY5	12.5	13.5	9/10/2003	Nitrogen in Nitrite and Nitrate	ug/kg	2,300	
207-A-South	C4115	B17HY5	12.5	13.5	9/10/2003	Tritium	pCi/g	2.4	
207-A-South	C4115	B17HY9	12.5	13.5	9/10/2003	Americium-241	pCi/g	0.019	
207-A-South	D074	S827942	0	1	6/3/2010	Europium-152	pCi/g	0.022	
207-A-South	D074	S827942	0	1	6/3/2010	Plutonium-238	pCi/g	0.0056	
207-A-South	D074	S827942	0	1	6/3/2010	Strontium-90	pCi/g	0.48	
207-T	299-W11-39	B10F90	10	14	11/30/2000	Acetone	ug/kg	7.0	JB
207-T	299-W11-39	B10F90	10	14	11/30/2000	Bis(2-ethylhexyl) phthalate	ug/kg	100	J
207-T	299-W11-39	B10F90	10	14	11/30/2000	Methylene chloride	ug/kg	14	B
207-T	299-W11-39	B10F90	10	14	11/30/2000	Phenol	ug/kg	35	J
207-T	299-W11-40	B105V3	5	7	9/27/2000	Technetium-99	pCi/g	0.61	J
207-T	299-W11-40	B105V5	7	15	9/29/2000	Tritium	pCi/g	0.082	J
207-T	299-W11-40	B105W3	5	15	9/27/2000	Methylene chloride	ug/kg	9.0	B
207-T/200-W-53	299-W11-41	B0YVX6	5	5	8/7/2000	Technetium-99	pCi/g	0.74	J
207-T/200-W-53	299-W11-41	B0YVX7	15	15	8/7/2000	Technetium-99	pCi/g	0.58	J
207-T/200-W-53	299-W11-41	B0YVX8	5	15	8/7/2000	Bis(2-ethylhexyl) phthalate	ug/kg	35	J
207-T/200-W-53	299-W11-41	B0YVX8	5	15	8/7/2000	Methylene chloride	ug/kg	14	B
207-T/200-W-53	D018	S336968	0	1	5/10/2000	Europium-152	pCi/g	0.0023	
207-T/200-W-53	D018	S336968	0	1	5/10/2000	Plutonium-238	pCi/g	0.015	
207-T/200-W-53	D018	S336968	0	1	5/10/2000	Plutonium-239/240	pCi/g	0.41	
207-T/200-W-53	D018	S336968	0	1	5/10/2000	Strontium-90	pCi/g	0.49	
207-T/200-W-53	D018	S423810	0	1	5/16/2002	Europium-152	pCi/g	4.05E-04	
207-T/200-W-53	D018	S423810	0	1	5/16/2002	Plutonium-238	pCi/g	0.011	
207-T/200-W-53	D018	S423810	0	1	5/16/2002	Plutonium-239/240	pCi/g	0.074	
207-T/200-W-53	D018	S609861	0	1	6/21/2004	Cesium-137	pCi/g	1.8	
207-T/200-W-53	D018	S609861	0	1	6/21/2004	Europium-152	pCi/g	0.0094	
207-T/200-W-53	D018	S609861	0	1	6/21/2004	Plutonium-239/240	pCi/g	0.12	
207-T/200-W-53	D018	S609861	0	1	6/21/2004	Strontium-90	pCi/g	0.45	
207-T/200-W-53	D018	S685043	0	1	5/22/2006	Europium-152	pCi/g	0.0021	
207-T/200-W-53	D018	S685043	0	1	5/22/2006	Plutonium-238	pCi/g	0.0081	
207-T/200-W-53	D018	S755553	0	1	5/27/2008	Europium-152	pCi/g	0.0061	
207-T/200-W-53	D018	S755553	0	1	5/27/2008	Plutonium-238	pCi/g	0.0040	

Table 15. Final Data Set for the Outdoor Worker Risk Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Analyte	Units	Measured Soil Concentration	Laboratory Qualifier
207-T/200-W-53	D018	S755553	0	1	5/27/2008	Strontium-90	pCi/g	0.32	
207-T/200-W-53	D018	S827914	0	1	5/27/2010	Europium-152	pCi/g	0.024	
207-T/200-W-53	D018	S827914	0	1	5/27/2010	Plutonium-238	pCi/g	0.0056	
207-T/200-W-53	D018	S827914	0	1	5/27/2010	Plutonium-239/240	pCi/g	0.097	
207-T/200-W-53	D018	S827914	0	1	5/27/2010	Strontium-90	pCi/g	1.1	
207-T/200-W-53	D018	S976724	0	1	6/9/2016	Cesium-137	pCi/g	1.5	
207-T/200-W-53	D018	S976724	0	1	6/9/2016	Plutonium-239/240	pCi/g	0.042	
216-A-34	C3245	B16RW5	14.5	17	4/4/2003	Nitrogen in Nitrite and Nitrate	ug/kg	544,000	
216-A-34	C3245	B16RW5	14.5	17	4/4/2003	Nickel-63	pCi/g	16	
216-A-34	C3245	B16RW5	14.5	17	4/4/2003	Strontium-90	pCi/g	11	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Bis(2-ethylhexyl) phthalate	ug/kg	660	J
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Boron	ug/kg	38,930	E
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Fluoride	ug/kg	5,620	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Nitrate	ug/kg	2.42E+06	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Total petroleum hydrocarbons - diesel range	ug/kg	230,000	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Tributyl phosphate	ug/kg	280,000	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Uranium	ug/kg	129,000	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Vanadium	ug/kg	96,100	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Americium-241	pCi/g	0.079	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Plutonium-239/240	pCi/g	0.18	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Uranium-233/234	pCi/g	6.0	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Uranium-234	pCi/g	6.0	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Uranium-235	pCi/g	0.94	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Uranium-238	pCi/g	51	
UPR-200-E-64	C5942	B1TFN9	4	6	2/11/2008	Americium-241	pCi/g	0.16	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Mercury	ug/kg	500	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Americium-241	pCi/g	8.9	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Cesium-137	pCi/g	2,831	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Europium-154	pCi/g	1.6	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Plutonium-238	pCi/g	0.24	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Plutonium-239/240	pCi/g	0.73	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Uranium-233/234	pCi/g	2.0	
UPR-200-E-89	299-E33-341	B1TP22	0	15	4/29/2008	Cesium-137	pCi/g	15	
UPR-200-E-89	C8706	B33B19	3.9	6.4	10/22/2015	Acetone	ug/kg	2.6	JT
UPR-200-E-89	C8706	B33B19	3.9	6.4	10/22/2015	Toluene	ug/kg	0.33	JT
UPR-200-E-89	C8706	B33B20	3.9	6.4	10/22/2015	Hexavalent Chromium	ug/kg	205	B

Table 15. Final Data Set for the Outdoor Worker Risk Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Analyte	Units	Measured Soil Concentration	Laboratory Qualifier
UPR-200-E-89	C8706	B33B20	3.9	6.4	10/22/2015	Molybdenum	ug/kg	698	D
UPR-200-E-89	C8706	B33B20	3.9	6.4	10/22/2015	Selenium	ug/kg	793	BD
UPR-200-E-89	C8706	B33B20	3.9	6.4	10/22/2015	Strontium-90	pCi/g	1.7	
UPR-200-E-89	C8706	B33B24	3.9	6.4	10/22/2015	Antimony	ug/kg	1,350	
UPR-200-E-89	C8706	B33B24	3.9	6.4	10/22/2015	Cyanide	ug/kg	455	
UPR-200-E-89	C8706	B33B28	5.9	8.4	10/22/2015	Acetone	ug/kg	2.4	JT
UPR-200-E-89	C8706	B33B29	5.9	8.4	10/22/2015	Antimony	ug/kg	1,140	
UPR-200-E-89	C8706	B33B29	5.9	8.4	10/22/2015	Molybdenum	ug/kg	1,730	D
UPR-200-E-89	C8706	B33B29	5.9	8.4	10/22/2015	Total petroleum hydrocarbons - diesel range	ug/kg	2,570	JT
UPR-200-E-89	C8707	B320N6	0	2.5	7/21/2015	Uranium-233/234	pCi/g	1.4	
UPR-200-E-89	C8707	B320N7	0	2.5	7/21/2015	Nitrate	ug/kg	98,700	
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	Antimony	ug/kg	2,970	
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	Barium	ug/kg	139,000	*D
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	Copper	ug/kg	25,000	DMN
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	Iron	ug/kg	3.30E+07	D
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	Molybdenum	ug/kg	2,340	D
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	Silver	ug/kg	212	B
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	Strontium	ug/kg	35,200	D
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	Uranium-238	pCi/g	2.1	
UPR-200-E-89	C8711	B320W3	10	13	7/16/2015	Bis(2-ethylhexyl) phthalate	ug/kg	1,070	
UPR-200-E-89	C8711	B320W3	10	13	7/16/2015	Strontium	ug/kg	57,100	D*
UPR-200-E-89	C8711	B320W8	10	13	7/16/2015	Antimony	ug/kg	1,280	
UPR-200-E-89	C9549	B33122	7.2	9.7	10/6/2015	Bis(2-ethylhexyl) phthalate	ug/kg	215	J
UPR-200-E-89	C9549	B33122	7.2	9.7	10/6/2015	Cyanide	ug/kg	126	B
UPR-200-E-89	C9549	B33122	7.2	9.7	10/6/2015	Uranium-233/234	pCi/g	1.2	
UPR-200-E-89	C9550	B320W0	8.2	10.7	10/1/2015	Antimony	ug/kg	1,650	
UPR-200-E-89	C9550	B320W0	8.2	10.7	10/1/2015	Molybdenum	ug/kg	2,210	D*
UPR-200-E-89	C9550	B320W0	8.2	10.7	10/1/2015	Silver	ug/kg	268	B
UPR-200-W-99	299-W14-15	B0YVY5	0	0	8/22/2000	Cesium-137	pCi/g	2.8	
UPR-200-W-99	299-W14-15	B0YVY5	0	0	8/22/2000	Strontium-90	pCi/g	0.43	J
UPR-200-W-99	299-W14-15	B0YVY6	6	10	8/22/2000	Cesium-137	pCi/g	3.1	
UPR-200-W-99	299-W14-15	B0YVY6	6	10	8/22/2000	Strontium-90	pCi/g	7.2	
UPR-200-W-99	299-W14-15	B0YVY7	0	0	8/22/2000	2-Butanone	ug/kg	1.0	JB
UPR-200-W-99	299-W14-15	B0YVY7	0	0	8/22/2000	Acetone	ug/kg	6.0	JB
UPR-200-W-99	299-W14-15	B0YVY7	0	0	8/22/2000	Bis(2-ethylhexyl) phthalate	ug/kg	20	JB
UPR-200-W-99	299-W14-15	B0YVY7	0	0	8/22/2000	Methylene chloride	ug/kg	9.0	B

Table 15. Final Data Set for the Outdoor Worker Risk Screening Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Analyte	Units	Measured Soil Concentration	Laboratory Qualifier
UPR-200-W-99	299-W14-15	B0YVY7	0	0	8/22/2000	Plutonium-239/240	pCi/g	0.031	J
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	2-Chlorophenol	ug/kg	23	J
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	4-Chloro-3-methylphenol	ug/kg	22	J
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	Bis(2-ethylhexyl) phthalate	ug/kg	790	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	Hexavalent Chromium	ug/kg	740	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	Methylene chloride	ug/kg	12	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	Molybdenum	ug/kg	480	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	n-Nitrosodi-n-propylamine	ug/kg	19	J
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	Phenol	ug/kg	40	J
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	Pyrene	ug/kg	20	J
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	Tin	ug/kg	1,700	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	Total petroleum hydrocarbons	ug/kg	24,200	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	Carbon-14	pCi/g	3.3	
UPR-200-W-99	299-W14-20	B20KP2	0	10	5/12/2009	Aroclor-1260	ug/kg	110	
UPR-200-W-99	299-W14-20	B20KP2	0	10	5/12/2009	Bis(2-ethylhexyl) phthalate	ug/kg	220	
UPR-200-W-99	299-W14-20	B20KP2	0	10	5/12/2009	Americium-241	pCi/g	0.046	

Defintion of Lab Qualifiers

B - INORGANICS and WETCHEM - The analyte was detected at a value less than the contract required detection limit (RDL), but greater than or equal to the IDL/MDL (as appropriate).

B - ORGANICS - The analyte was detected in both the associated QC blank and in the sample.

C - INORGANICS/WETCHEM: The analyte was detected in both the sample and the associated QC blank, and the sample concentration was <= 5X the blank concentration.

D - All - Analyte was reported at a secondary dilution factor, typically DF>1 (i.e., the primary preparation required dilution to either bring the analyte within the calibration range or to minimize interference). Required for organics/wetchem if the sample was diluted.

E - INORGANICS - Reported value is estimated because of interference. See comment on cover page, hardcopy case narrative, or specific inorganic hardcopy data sheet.

J - ORGANICS - Estimated value; (1) constituent detected at a level less than the RDL or PQL and greater than or equal to the MDL, (2) estimated concentration for tentatively identified compounds (TICs).

M - INORGANICS - Duplicate precision criteria not met.

N - ALL (except GC/MS based analysis) - Spike and/or spike duplicate sample recovery is outside control limits.

T - Organics (GC/MS only) - Spike and/or spike duplicate sample recovery is outside control limits.

X - ALL – The result-specific translation of this qualifier code is provided in the hardcopy data report and/or case narrative. Additional result-specific translation information may also be found in the RESULT_COMMENT field for this record.

* - INORGANICS - Duplicate analysis not within control limits

Table 17. COPCs for the Outdoor Worker Screening Level Risk Evaluation for Each Representative Waste Site

Representative Waste Site	Radiological COPCs	Nonradiological COPCs
200-E-115	Carbon-14, Selenium-79, Tritium	2,3,3',4,4'-Pentachlorobiphenyl, 2,3',4,4',5-Pentachlorobiphenyl, 3,3',4,4',5,5'-Hexachlorobiphenyl, 3,3',4,4',5-Pentachlorobiphenyl,, Amylene Hydrate, Antimony, Butylbenzylphthalate, Chromium, Lead, Molybdenum, Nitrate, Nitrite, Selenium, Strontium, Styrene, Thallium, Toluene, Total petroleum hydrocarbons-diesel range, Tungsten, Zirconium
200-W-53 (Based on D018, Co-located with 207-T)	Cesium-137, Europium-152, Plutonium-238, Plutonium-239/240, Strontium-90	Samples were not analyzed for nonradiological contaminants
200-W-54	None	Acetone, Hexavalent Chromium, Methylene chloride, Molybdenum, Tin
207-A-South	Americium-241, Europium-152, Plutonium-238, Strontium-90, Tritium	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex, 2,4-D(2,4-Dichlorophenoxyacetic acid), Diethylphthalate, Nitrogen in Nitrite and Nitrate, Silver
207-T	Cesium-137, Europium-152, Plutonium-238, Plutonium-239/240, Strontium-90, Technetium-99, Tritium	Acetone, Bis(2-ethylhexyl) phthalate, Methylene chloride, Phenol
216-A-34	Americium-241, Nickel-63, Plutonium-239/240, Strontium-90, Uranium-233/234, Uranium-234, Uranium-235, Uranium-238	Bis(2-ethylhexyl) phthalate, Boron, Fluoride, Nitrate, Nitrogen in Nitrite and Nitrate, Total petroleum hydrcarbons-diesel range, Tributyl phosphate, Uranium, Vanadium
UPR-200-E-64	Americium-241, Cesium-137, Europium-154, Plutonium-238, Plutonium-239/240, Uranium-233/234	Mercury
UPR-200-E-89	Cesium-137, Strontium-90, Uranium-233/234, Uranium-238	Acetone, Antimony, Barium, Bis(2-ethylhexyl) phthalate, Copper, Cyanide, Hexavalent Chromium, Iron, Molybdenum, Nitrate, Selenium, Silver, Strontium, Toluene, Total petroleum hydrcarbons-diesel range
UPR-200-W-99	Americium-241, Carbon-14, Cesium-137, Plutonium-239/240, Strontium-90	2-Butanone, 2-Chlorophenol, 4-Chloro-3-methylphenol, Acetone, Aroclor-1260, Bis(2-ethylhexyl) phthalate, Hexavalent Chromium, Methylene chloride, Molybdenum, n-Nitrosodi-n-propylamine, Phenol, Pyrene, Tin, Total petreoleum hydrocarbons

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
200-E-115	299-E27-26	B34JR9	99.8	102.3	non-Rad	Nitrate	14797-55-8	ug/kg	2/19/2016	7,700	
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Nitrate	14797-55-8	ug/kg	2/22/2016	2,890	C
200-E-115	299-E27-26	B34JP7	244	246	non-Rad	Nitrite	14797-65-0	ug/kg	2/22/2016	850	B
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Nitrate	14797-55-8	ug/kg	2/22/2016	11,000	
200-E-115	299-E27-26	B34JP2	152	154.5	non-Rad	Nitrite	14797-65-0	ug/kg	2/22/2016	890	B
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Nitrate	14797-55-8	ug/kg	2/19/2016	4,990	C
200-E-115	299-E27-26	B34JN6	133.9	136.4	non-Rad	Nitrite	14797-65-0	ug/kg	2/19/2016	760	B
200-E-115	C7680	B26JL8	0	1	non-Rad	Styrene	100-42-5	ug/kg	8/26/2010	0.31	BJ
200-E-115	C7680	B26JL8	0	1	non-Rad	Toluene	108-88-3	ug/kg	8/26/2010	0.27	BJ
200-E-115	C7680	B26JK8	0	1	non-Rad	Nitrite	14797-65-0	ug/kg	8/26/2010	232	B
200-E-115	C7680	B26JK8	0	1	Rad	Tritium	10028-17-8	pCi/g	8/26/2010	45	
200-E-115	C7680	B26C41	142	144	non-Rad	Toluene	108-88-3	ug/kg	9/1/2010	0.30	J
200-E-115	C7680	B26C40	142	144	non-Rad	Nitrate	14797-55-8	ug/kg	9/1/2010	15,200	
200-E-115	C7680	B26C40	142	144	non-Rad	Nitrite	14797-65-0	ug/kg	9/1/2010	808	B
200-E-115	C7680	B26C39	116	118	non-Rad	Styrene	100-42-5	ug/kg	9/1/2010	0.30	BJ
200-E-115	C7680	B26C39	116	118	non-Rad	Toluene	108-88-3	ug/kg	9/1/2010	0.27	J
200-E-115	C7680	B26C38	116	118	non-Rad	Nitrate	14797-55-8	ug/kg	9/1/2010	5,900	
200-E-115	C7680	B26C38	116	118	non-Rad	Nitrite	14797-65-0	ug/kg	9/1/2010	437	B
200-E-115	C7680	B26C38	116	118	Rad	Tritium	10028-17-8	pCi/g	9/1/2010	53	
200-E-115	C7680	B26C36	92	94	non-Rad	Nitrate	14797-55-8	ug/kg	9/1/2010	6,020	
200-E-115	C7680	B26C36	92	94	non-Rad	Nitrite	14797-65-0	ug/kg	9/1/2010	712	B
200-E-115	C7680	B26C35	43	45	non-Rad	Styrene	100-42-5	ug/kg	8/31/2010	0.34	BJ
200-E-115	C7680	B26C35	43	45	non-Rad	Toluene	108-88-3	ug/kg	8/31/2010	0.37	BJ
200-E-115	C7680	B26C34	43	45	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/31/2010	220	BJN
200-E-115	C7680	B26C34	43	45	non-Rad	Nitrate	14797-55-8	ug/kg	8/31/2010	9,550	
200-E-115	C7680	B26C34	43	45	non-Rad	Nitrite	14797-65-0	ug/kg	8/31/2010	715	B
200-E-115	C7680	B26C33	17	19	non-Rad	Styrene	100-42-5	ug/kg	8/29/2010	0.35	BJ
200-E-115	C7680	B26C33	17	19	non-Rad	Toluene	108-88-3	ug/kg	8/29/2010	0.42	BJ
200-E-115	C7680	B26C32	17	19	non-Rad	Nitrate	14797-55-8	ug/kg	8/29/2010	7,060	
200-E-115	C7680	B26C32	17	19	non-Rad	Nitrite	14797-65-0	ug/kg	8/29/2010	684	B
200-E-115	C7680	B26C31	14	16	non-Rad	Styrene	100-42-5	ug/kg	8/29/2010	0.27	BJ
200-E-115	C7680	B26C31	14	16	non-Rad	Toluene	108-88-3	ug/kg	8/29/2010	0.60	BJ
200-E-115	C7680	B26C30	14	16	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/29/2010	260	BJN
200-E-115	C7680	B26C30	14	16	non-Rad	Nitrite	14797-65-0	ug/kg	8/29/2010	1,120	B
200-E-115	C7680	B26C28	10	12	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/29/2010	230	BJN
200-E-115	C7680	B26C28	10	12	non-Rad	Nitrite	14797-65-0	ug/kg	8/29/2010	613	B

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
200-E-115	C7680	B26C27	5	7	non-Rad	Styrene	100-42-5	ug/kg	8/27/2010	0.33	BJ
200-E-115	C7680	B26C27	5	7	non-Rad	Toluene	108-88-3	ug/kg	8/27/2010	0.39	BJ
200-E-115	C7680	B26C26	5	7	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/27/2010	210	BJN
200-E-115	C7680	B26C26	5	7	non-Rad	Nitrite	14797-65-0	ug/kg	8/27/2010	736	B
200-E-115	C7682	B26JM0	0	1	non-Rad	Styrene	100-42-5	ug/kg	8/17/2010	0.43	BJ
200-E-115	C7682	B26JM0	0	1	non-Rad	Toluene	108-88-3	ug/kg	8/17/2010	0.39	BJ
200-E-115	C7682	B26JL1	0	1	non-Rad	Nitrate	14797-55-8	ug/kg	8/17/2010	54,600	
200-E-115	C7682	B26JL1	0	1	non-Rad	Nitrite	14797-65-0	ug/kg	8/17/2010	1,210	B
200-E-115	C7682	B26JL1	0	1	non-Rad	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	8/17/2010	12,000	BJ
200-E-115	C7682	B26JL1	0	1	Rad	Tritium	10028-17-8	pCi/g	8/17/2010	1.7	
200-E-115	C7682	B26JL0	0	1	non-Rad	Amylene Hydrate	75-85-4	ug/kg	8/17/2010	230	BJN
200-E-115	C7682	B26C61	122	124	non-Rad	Nitrate	14797-55-8	ug/kg	8/25/2010	5,850	
200-E-115	C7682	B26C61	122	124	non-Rad	Nitrite	14797-65-0	ug/kg	8/25/2010	276	CB
200-E-115	C7682	B26C60	88	90	non-Rad	Styrene	100-42-5	ug/kg	8/24/2010	0.42	BJ
200-E-115	C7682	B26C60	88	90	non-Rad	Toluene	108-88-3	ug/kg	8/24/2010	0.44	BJ
200-E-115	C7682	B26C59	88	90	non-Rad	Nitrate	14797-55-8	ug/kg	8/24/2010	19,200	
200-E-115	C7682	B26C59	88	90	non-Rad	Nitrite	14797-65-0	ug/kg	8/24/2010	1,240	B
200-E-115	C7682	B26C59	88	90	Rad	Tritium	10028-17-8	pCi/g	8/24/2010	1.6	
200-E-115	C7682	B26C58	45	47	non-Rad	Styrene	100-42-5	ug/kg	8/23/2010	0.34	BJ
200-E-115	C7682	B26C58	45	47	non-Rad	Toluene	108-88-3	ug/kg	8/23/2010	0.50	BJ
200-E-115	C7682	B26C57	45	47	non-Rad	Nitrate	14797-55-8	ug/kg	8/23/2010	9,340	
200-E-115	C7682	B26C57	45	47	non-Rad	Nitrite	14797-65-0	ug/kg	8/23/2010	842	B
200-E-115	C7682	B26C56	18	20	non-Rad	Toluene	108-88-3	ug/kg	8/19/2010	0.39	BJ
200-E-115	C7682	B26C55	18	20	non-Rad	Nitrate	14797-55-8	ug/kg	8/19/2010	16,900	
200-E-115	C7682	B26C54	14	16	non-Rad	Styrene	100-42-5	ug/kg	8/19/2010	0.46	BJ
200-E-115	C7682	B26C54	14	16	non-Rad	Toluene	108-88-3	ug/kg	8/19/2010	1.1	B
200-E-115	C7682	B26C53	14	16	non-Rad	Nitrite	14797-65-0	ug/kg	8/19/2010	1,340	B
200-E-115	C7682	B26C53	14	16	Rad	Tritium	10028-17-8	pCi/g	8/19/2010	3.0	
200-E-115	C7682	B26C51	12	14	non-Rad	Nitrite	14797-65-0	ug/kg	8/18/2010	1,850	B
200-E-115	C7682	B26C51	12	14	Rad	Tritium	10028-17-8	pCi/g	8/18/2010	1.7	
200-E-115	C7682	B26C50	10	12	non-Rad	Styrene	100-42-5	ug/kg	8/18/2010	0.36	BJ
200-E-115	C7682	B26C50	10	12	non-Rad	Toluene	108-88-3	ug/kg	8/18/2010	0.35	BJ
200-E-115	C7682	B26C48	5	7	non-Rad	Styrene	100-42-5	ug/kg	8/18/2010	0.33	BJ
200-E-115	C7682	B26C48	5	7	non-Rad	Toluene	108-88-3	ug/kg	8/18/2010	0.31	BJ
200-E-115	C7682	B26C47	5	7	Rad	Carbon-14	14762-75-5	pCi/g	8/18/2010	3.5	
200-W-54	299-W22-84	B139D1	0	6	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/19/2001	490	

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
200-W-54	299-W22-84	B139D1	0	6	non-Rad	Methylene chloride	75-09-2	ug/kg	10/19/2001	11	B
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/19/2001	1,500	
200-W-54	299-W22-84	B139C4	234	239	non-Rad	Methylene chloride	75-09-2	ug/kg	10/19/2001	12	B
200-W-54	299-W22-84	B139C3	0	6	non-Rad	Acetone	67-64-1	ug/kg	10/19/2001	44	
200-W-54	299-W22-90	B2L7W6	237	242	Rad	Technetium-99	14133-76-7	pCi/g	6/26/2012	1.1	
207-A-South	C4113	B17HT2	12.5	13.5	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/10/2003	530	
207-A-South	C4113	B17HT1	6	7	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	1,100	
207-A-South	C4113	B17HT0	2	3	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	5,100	
207-A-South	C4113	B17HT0	2	3	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	0.33	
207-A-South	C4113	B17HR9	1	2	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	1,000	
207-A-South	C4113	B17HR9	1	2	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	0.15	
207-A-South	C4113	B17HR8	12.5	13.5	non-Rad	Diethylphthalate	84-66-2	ug/kg	9/10/2003	260	J
207-A-South	C4114	B17HY3	12.5	13.5	non-Rad	Diethylphthalate	84-66-2	ug/kg	9/10/2003	210	J
207-A-South	C4114	B17HX7	12.5	13.5	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/10/2003	2,400	
207-A-South	C4114	B17HX7	12.5	13.5	Rad	Tritium	10028-17-8	pCi/g	9/10/2003	2.0	
207-A-South	C4114	B17HX6	6	7	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/4/2003	4,500	
207-A-South	C4114	B17HX6	6	7	Rad	Tritium	10028-17-8	pCi/g	9/4/2003	2.3	
207-A-South	C4114	B17HX5	2	3	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	20,900	D
207-A-South	C4114	B17HX5	2	3	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	4.9	
207-A-South	C4114	B17HX4	1	2	non-Rad	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	93-72-1	ug/kg	9/3/2003	3.3	J
207-A-South	C4114	B17HX4	1	2	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	8,900	
207-A-South	C4114	B17HX4	1	2	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	2.5	
207-A-South	C4115	B17HY5	12.5	13.5	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/10/2003	2,300	
207-A-South	C4115	B17HY5	12.5	13.5	Rad	Tritium	10028-17-8	pCi/g	9/10/2003	2.4	
207-A-South	C4115	B17HY4	6	7	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/4/2003	13,200	D
207-A-South	C4115	B17HY4	6	7	Rad	Tritium	10028-17-8	pCi/g	9/4/2003	6.6	
207-A-South	C4115	B17HX9	2	3	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	920	
207-A-South	C4115	B17HX8	1	2	non-Rad	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	9/3/2003	7.1	J
207-A-South	C4115	B17HX8	1	2	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9/3/2003	1,600	
207-A-South	C4115	B17HX8	1	2	Rad	Tritium	10028-17-8	pCi/g	9/3/2003	0.12	
207-T	299-W11-39	B10F91	247.25	247.25	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	12/4/2000	560	
207-T	299-W11-39	B10F91	247.25	247.25	non-Rad	Methylene chloride	75-09-2	ug/kg	12/4/2000	19	B
207-T	299-W11-39	B10F90	10	14	non-Rad	Acetone	67-64-1	ug/kg	11/30/2000	7.0	JB
207-T	299-W11-39	B10F90	10	14	non-Rad	Methylene chloride	75-09-2	ug/kg	11/30/2000	14	B
207-T	299-W11-39	B10F90	10	14	non-Rad	Phenol	108-95-2	ug/kg	11/30/2000	35	J
207-T	299-W11-39	B10F79	252.5	252.5	Rad	Tritium	10028-17-8	pCi/g	12/4/2000	0.12	J

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
207-T	299-W11-39	B10F79	252.5	252.5	non-Rad	Uranium	7440-61-1	ug/kg	12/4/2000	893	J
207-T	299-W11-39	B10F78	242.5	242.5	non-Rad	Uranium	7440-61-1	ug/kg	12/4/2000	933	J
207-T	299-W11-40	B105W4	250	250	non-Rad	Methylene chloride	75-09-2	ug/kg	9/29/2000	21	B
207-T	299-W11-40	B105W4	250	250	non-Rad	Nitrate	14797-55-8	ug/kg	9/29/2000	2,900	
207-T	299-W11-40	B105W3	5	15	non-Rad	Methylene chloride	75-09-2	ug/kg	9/27/2000	9.0	B
207-T	299-W11-40	B105V6	259	259	Rad	Tritium	10028-17-8	pCi/g	9/29/2000	1.3	J
207-T	299-W11-40	B105V6	259	259	non-Rad	Uranium	7440-61-1	ug/kg	9/29/2000	901	J
207-T	299-W11-40	B105V5	7	15	Rad	Tritium	10028-17-8	pCi/g	9/29/2000	0.082	J
207-T	299-W11-40	B105V4	235	245	non-Rad	Uranium	7440-61-1	ug/kg	9/27/2000	1,060	
207-T	299-W11-40	B105V3	5	7	Rad	Technetium-99	14133-76-7	pCi/g	9/27/2000	0.61	J
207-T/200-W-53	299-W11-41	B10Y96	262	264	non-Rad	Methylene chloride	75-09-2	ug/kg	11/20/2000	11	B
207-T/200-W-53	299-W11-41	B10Y95	248	248	non-Rad	Methylene chloride	75-09-2	ug/kg	11/20/2000	8.0	B
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Acetone	67-64-1	ug/kg	8/11/2000	10	JB
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Chloroform	67-66-3	ug/kg	8/11/2000	1.0	J
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Methylene chloride	75-09-2	ug/kg	8/11/2000	15	B
207-T/200-W-53	299-W11-41	B0YVY1	248	264	non-Rad	Nitrate	14797-55-8	ug/kg	8/11/2000	52,000	
207-T/200-W-53	299-W11-41	B0YVY0	262	264	Rad	Technetium-99	14133-76-7	pCi/g	8/11/2000	0.70	J
207-T/200-W-53	299-W11-41	B0YVY0	262	264	Rad	Tritium	10028-17-8	pCi/g	8/11/2000	1.6	J
207-T/200-W-53	299-W11-41	B0YVX9	248	248	Rad	Technetium-99	14133-76-7	pCi/g	8/11/2000	0.83	J
207-T/200-W-53	299-W11-41	B0YVX9	248	248	Rad	Tritium	10028-17-8	pCi/g	8/11/2000	3.0	J
207-T/200-W-53	299-W11-41	B0YVX8	5	15	non-Rad	Methylene chloride	75-09-2	ug/kg	8/7/2000	14	B
207-T/200-W-53	299-W11-41	B0YVX7	15	15	Rad	Technetium-99	14133-76-7	pCi/g	8/7/2000	0.58	J
207-T/200-W-53	299-W11-41	B0YVX6	5	5	Rad	Technetium-99	14133-76-7	pCi/g	8/7/2000	0.74	J
216-A-34	C3245	B16VV9	248	250.5	non-Rad	Nitrate	14797-55-8	ug/kg	4/17/2003	11,200	
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/17/2003	760	B
216-A-34	C3245	B16RY5	242.5	245	non-Rad	Nitrate	14797-55-8	ug/kg	4/17/2003	23,200	
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/16/2003	630	BJ
216-A-34	C3245	B16RY4	207.5	210	non-Rad	Nitrate	14797-55-8	ug/kg	4/16/2003	31,100	
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/9/2003	930	B
216-A-34	C3245	B16RY3	97.5	100	non-Rad	Nitrate	14797-55-8	ug/kg	4/9/2003	116,000	
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/7/2003	600	BJ
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Nitrate	14797-55-8	ug/kg	4/7/2003	14,300	
216-A-34	C3245	B16RY2	47.5	50	non-Rad	Uranium	7440-61-1	ug/kg	4/7/2003	2,760	
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/7/2003	1,000	B
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Nitrate	14797-55-8	ug/kg	4/7/2003	4.65E+06	
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Nitrite	14797-65-0	ug/kg	4/7/2003	3,680	

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
216-A-34	C3245	B16RY1	32.5	35	non-Rad	Uranium	7440-61-1	ug/kg	4/7/2003	19,100	
216-A-34	C3245	B16RY1	32.5	35	Rad	Uranium-235	15117-96-1	pCi/g	4/7/2003	0.13	
216-A-34	C3245	B16RY1	32.5	35	Rad	Uranium-238	U-238	pCi/g	4/7/2003	7.4	
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/7/2003	790	B
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Nitrate	14797-55-8	ug/kg	4/7/2003	4.36E+07	
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Nitrite	14797-65-0	ug/kg	4/7/2003	3,280	
216-A-34	C3245	B16RY0	27.5	30	non-Rad	Uranium	7440-61-1	ug/kg	4/7/2003	66,000	
216-A-34	C3245	B16RY0	27.5	30	Rad	Uranium-233/234	U-233/234	pCi/g	4/7/2003	2.6	
216-A-34	C3245	B16RY0	27.5	30	Rad	Uranium-235	15117-96-1	pCi/g	4/7/2003	0.34	
216-A-34	C3245	B16RY0	27.5	30	Rad	Uranium-238	U-238	pCi/g	4/7/2003	22	
216-A-34	C3245	B16RX9	22.5	25	non-Rad	Uranium	7440-61-1	ug/kg	4/4/2003	130,000	
216-A-34	C3245	B16RX9	22.5	25	Rad	Uranium-233/234	U-233/234	pCi/g	4/4/2003	5.4	
216-A-34	C3245	B16RX9	22.5	25	Rad	Uranium-235	15117-96-1	pCi/g	4/4/2003	0.65	
216-A-34	C3245	B16RX9	22.5	25	Rad	Uranium-238	U-238	pCi/g	4/4/2003	41	
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Nitrate	14797-55-8	ug/kg	4/4/2003	1.98E+06	
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Nitrite	14797-65-0	ug/kg	4/4/2003	1,480	B
216-A-34	C3245	B16RX8	22.5	25	non-Rad	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/4/2003	7,800	J
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Diethylphthalate	84-66-2	ug/kg	4/4/2003	420	J
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Nitrate	14797-55-8	ug/kg	4/4/2003	1.83E+06	
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/4/2003	300,000	D
216-A-34	C3245	B16RX7	17.5	20	non-Rad	Uranium	7440-61-1	ug/kg	4/4/2003	39,600	
216-A-34	C3245	B16RX7	17.5	20	Rad	Uranium-233/234	U-233/234	pCi/g	4/4/2003	1.8	
216-A-34	C3245	B16RX7	17.5	20	Rad	Uranium-235	15117-96-1	pCi/g	4/4/2003	0.22	
216-A-34	C3245	B16RX7	17.5	20	Rad	Uranium-238	U-238	pCi/g	4/4/2003	14	
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Nitrate	14797-55-8	ug/kg	4/4/2003	2.42E+06	
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	4/4/2003	230,000	
216-A-34	C3245	B16RX6	14.5	17	non-Rad	Uranium	7440-61-1	ug/kg	4/4/2003	129,000	
216-A-34	C3245	B16RX6	14.5	17	Rad	Uranium-233/234	U-233/234	pCi/g	4/4/2003	6.0	
216-A-34	C3245	B16RX6	14.5	17	Rad	Uranium-234	13966-29-5	pCi/g	4/4/2003	6.0	
216-A-34	C3245	B16RX6	14.5	17	Rad	Uranium-235	15117-96-1	pCi/g	4/4/2003	0.94	
216-A-34	C3245	B16RX6	14.5	17	Rad	Uranium-238	U-238	pCi/g	4/4/2003	51	
216-A-34	C3245	B16RX5	248	250	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/17/2003	2,000	
216-A-34	C3245	B16RX5	248	250	Rad	Tritium	10028-17-8	pCi/g	4/17/2003	0.17	
216-A-34	C3245	B16RX4	242.5	245	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/17/2003	4,500	
216-A-34	C3245	B16RX3	207.5	210	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/16/2003	7,800	
216-A-34	C3245	B16RX2	97.5	100	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/9/2003	24,800	

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
216-A-34	C3245	B16RX1	47.5	50	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/7/2003	3,100	
216-A-34	C3245	B16RX0	32.5	35	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/7/2003	1.12E+06	
216-A-34	C3245	B16RW9	27.5	30	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/7/2003	861,000	
216-A-34	C3245	B16RW8	22.5	25	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/4/2003	501,000	
216-A-34	C3245	B16RW6	17.5	20	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/4/2003	476,000	
216-A-34	C3245	B16RW5	14.5	17	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4/4/2003	544,000	
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	2/22/2010	110	
UPR-200-E-64	299-E28-30	B23PW1	0	357.1	non-Rad	Uranium	7440-61-1	ug/kg	2/22/2010	400	C
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	non-Rad	Nitrate	14797-55-8	ug/kg	2/12/2010	62,900	DN
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	Rad	Tritium	10028-17-8	pCi/g	2/12/2010	16	
UPR-200-E-64	299-E28-30	B23PW0	329.4	331.9	non-Rad	Uranium	7440-61-1	ug/kg	2/12/2010	430	
UPR-200-E-64	299-E28-30	B23PV9	314.1	316.6	non-Rad	Uranium	7440-61-1	ug/kg	2/9/2010	260	
UPR-200-E-64	299-E28-30	B23PV8	314.1	316.6	non-Rad	Nitrate	14797-55-8	ug/kg	2/9/2010	25,300	DN
UPR-200-E-64	299-E28-30	B23PV8	314.1	316.6	non-Rad	Trichloromonofluoromethane	75-69-4	ug/kg	2/9/2010	4.1	
UPR-200-E-64	299-E28-30	B235T8	0	299.7	non-Rad	Nitrate	14797-55-8	ug/kg	2/8/2010	1,540	
UPR-200-E-64	299-E28-30	B235R9	0	278	non-Rad	Nitrate	14797-55-8	ug/kg	2/3/2010	10,900	
UPR-200-E-64	299-E28-30	B235R2	0	259.5	non-Rad	Nitrate	14797-55-8	ug/kg	2/1/2010	16,500	
UPR-200-E-64	299-E28-30	B235R2	0	259.5	non-Rad	Nitrite	14797-65-0	ug/kg	2/1/2010	3,870	
UPR-200-E-64	299-E28-30	B235N9	0	227.5	non-Rad	Nitrate	14797-55-8	ug/kg	1/28/2010	22,200	
UPR-200-E-64	299-E28-30	B235L9	0	177	non-Rad	Nitrate	14797-55-8	ug/kg	1/25/2010	528,000	
UPR-200-E-64	299-E28-30	B235K5	0	142	non-Rad	Nitrate	14797-55-8	ug/kg	1/19/2010	972,000	
UPR-200-E-64	299-E28-30	B235K1	0	132	non-Rad	Nitrate	14797-55-8	ug/kg	1/19/2010	2.57E+06	
UPR-200-E-64	299-E28-30	B235J6	0	120	non-Rad	Nitrate	14797-55-8	ug/kg	1/15/2010	1.40E+06	
UPR-200-E-64	299-E28-30	B235J0	102.8	105.3	non-Rad	Nitrate	14797-55-8	ug/kg	1/14/2010	792,000	
UPR-200-E-64	299-E28-30	B235H1	0	82.6	non-Rad	Nitrate	14797-55-8	ug/kg	1/13/2010	339,000	
UPR-200-E-64	C5942	B1TFT1	27.5	30	Rad	Tritium	10028-17-8	pCi/g	2/14/2008	0.012	
UPR-200-E-64	C5942	B1TFP8	17	19.5	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	2/13/2008	320	
UPR-200-E-64	C5942	B1TFP4	47.5	50	non-Rad	Nitrate	14797-55-8	ug/kg	2/19/2008	1,440	BD
UPR-200-E-64	C5942	B1TFP3	27.5	30	non-Rad	Nitrate	14797-55-8	ug/kg	2/14/2008	3,520	BD
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	Rad	Uranium-233/234	U-233/234	pCi/g	2/12/2008	2.0	
UPR-200-E-64	C5942	B1TFN0	17	19.5	non-Rad	Methylene chloride	75-09-2	ug/kg	2/13/2008	6.6	B
UPR-200-E-89	299-E33-341	B1TT53	230	232.5	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	5/22/2008	560	
UPR-200-E-89	299-E33-341	B1TT53	230	232.5	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	5/22/2008	15,300	D
UPR-200-E-89	299-E33-341	B1TT53	230	232.5	Rad	Technetium-99	14133-76-7	pCi/g	5/22/2008	4.8	
UPR-200-E-89	299-E33-341	B1TP94	0	232.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/22/2008	69,300	
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Nitrate	14797-55-8	ug/kg	5/22/2008	81,000	

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
UPR-200-E-89	299-E33-341	B1TP93	0	230	non-Rad	Nitrite	14797-65-0	ug/kg	5/22/2008	1,610	
UPR-200-E-89	299-E33-341	B1TP89	0	220	non-Rad	Nitrate	14797-55-8	ug/kg	5/20/2008	1,970	
UPR-200-E-89	299-E33-341	B1TP86	0	212.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/16/2008	2,010	
UPR-200-E-89	299-E33-341	B1TP84	0	195	non-Rad	Nitrate	14797-55-8	ug/kg	5/16/2008	18,200	
UPR-200-E-89	299-E33-341	B1TP84	0	195	non-Rad	Nitrite	14797-65-0	ug/kg	5/16/2008	4,320	
UPR-200-E-89	299-E33-341	B1TP82	0	190	non-Rad	Nitrate	14797-55-8	ug/kg	5/13/2008	27,600	
UPR-200-E-89	299-E33-341	B1TP78	0	180	non-Rad	Nitrate	14797-55-8	ug/kg	5/13/2008	6,160	
UPR-200-E-89	299-E33-341	B1TP67	0	145	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	48,200	
UPR-200-E-89	299-E33-341	B1TP64	0	137.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	1.03E+06	
UPR-200-E-89	299-E33-341	B1TP62	0	132.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	817,000	
UPR-200-E-89	299-E33-341	B1TP61	0	130	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	10,300	
UPR-200-E-89	299-E33-341	B1TP59	0	125	non-Rad	Nitrate	14797-55-8	ug/kg	5/9/2008	7,840	
UPR-200-E-89	299-E33-341	B1TP55	0	115	non-Rad	Nitrate	14797-55-8	ug/kg	5/8/2008	188,000	
UPR-200-E-89	299-E33-341	B1TP53	0	110	non-Rad	Nitrate	14797-55-8	ug/kg	5/8/2008	1.68E+06	
UPR-200-E-89	299-E33-341	B1TP52	0	107.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/8/2008	1.16E+06	
UPR-200-E-89	299-E33-341	B1TP51	0	105	non-Rad	Nitrate	14797-55-8	ug/kg	5/8/2008	6.36E+06	
UPR-200-E-89	299-E33-341	B1TP49	0	100	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	1.59E+06	
UPR-200-E-89	299-E33-341	B1TP47	0	95	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	20,000	
UPR-200-E-89	299-E33-341	B1TP45	0	90	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	1.06E+06	
UPR-200-E-89	299-E33-341	B1TP43	0	85	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	36,100	
UPR-200-E-89	299-E33-341	B1TP42	0	82.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	256,000	
UPR-200-E-89	299-E33-341	B1TP40	0	77.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/1/2008	15,900	
UPR-200-E-89	299-E33-341	B1TP35	0	65	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	13,200	
UPR-200-E-89	299-E33-341	B1TP30	0	35	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	40,100	
UPR-200-E-89	299-E33-341	B1TP29	0	32.5	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	18,900	
UPR-200-E-89	299-E33-341	B1TP28	0	30	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	17,100	
UPR-200-E-89	299-E33-341	B1TP26	0	25	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	5,570	
UPR-200-E-89	299-E33-341	B1TP24	0	20	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	14,700	
UPR-200-E-89	299-E33-341	B1TNX1	0	202.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/16/2008	6,120	
UPR-200-E-89	299-E33-341	B1TNW5	0	52.5	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	14,500	
UPR-200-E-89	299-E33-341	B1TNW3	0	47.5	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	864,000	
UPR-200-E-89	299-E33-341	B1TNW1	0	42.5	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	6.97E+06	
UPR-200-E-89	299-E33-341	B1TNW0	0	40	non-Rad	Nitrate	14797-55-8	ug/kg	4/30/2008	4.12E+06	
UPR-200-E-89	299-E33-341	B1TNV9	0	37.5	non-Rad	Nitrate	14797-55-8	ug/kg	4/29/2008	532,000	
UPR-200-E-89	299-E33-341	B1TNT2	227.5	230	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	5/22/2008	25,200	D
UPR-200-E-89	299-E33-341	B1TNT2	227.5	230	Rad	Technetium-99	14133-76-7	pCi/g	5/22/2008	3.0	

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Nitrate	14797-55-8	ug/kg	1/6/2011	45,300	
UPR-200-E-89	C8132	B29J34	184	186	non-Rad	Nitrite	14797-65-0	ug/kg	1/6/2011	1,070	B
UPR-200-E-89	C8132	B29J34	184	186	Rad	Tritium	10028-17-8	pCi/g	1/6/2011	2.9	
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Nitrate	14797-55-8	ug/kg	1/5/2011	11,300	
UPR-200-E-89	C8132	B29J33	121	123	non-Rad	Nitrite	14797-65-0	ug/kg	1/5/2011	428	CB
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Nitrate	14797-55-8	ug/kg	1/4/2011	5,110	
UPR-200-E-89	C8132	B29J32	93	95	non-Rad	Nitrite	14797-65-0	ug/kg	1/4/2011	1,180	B
UPR-200-E-89	C8132	B29J32	93	95	Rad	Tritium	10028-17-8	pCi/g	1/4/2011	2.8	
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Nitrate	14797-55-8	ug/kg	3/16/2011	59,400	
UPR-200-E-89	C8134	B29J37	165	167	non-Rad	Nitrite	14797-65-0	ug/kg	3/16/2011	283	B
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Nitrate	14797-55-8	ug/kg	3/15/2011	39,400	
UPR-200-E-89	C8134	B29J36	99	101	non-Rad	Nitrite	14797-65-0	ug/kg	3/15/2011	5,750	
UPR-200-E-89	C8134	B29J35	57	59	non-Rad	Nitrate	14797-55-8	ug/kg	3/11/2011	2,490	B
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Nitrate	14797-55-8	ug/kg	2/10/2011	89,200	
UPR-200-E-89	C8136	B2BDT0	186	188	non-Rad	Nitrite	14797-65-0	ug/kg	2/10/2011	1,600	B
UPR-200-E-89	C8136	B2BDT0	186	188	Rad	Tritium	10028-17-8	pCi/g	2/10/2011	3.1	
UPR-200-E-89	C8136	B29J40	169	171	Rad	Carbon-14	14762-75-5	pCi/g	2/9/2011	2.9	
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Nitrate	14797-55-8	ug/kg	2/9/2011	51,300	
UPR-200-E-89	C8136	B29J40	169	171	non-Rad	Nitrite	14797-65-0	ug/kg	2/9/2011	842	CB
UPR-200-E-89	C8136	B29J40	169	171	Rad	Tritium	10028-17-8	pCi/g	2/9/2011	3.1	
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Nitrate	14797-55-8	ug/kg	2/2/2011	7,710	
UPR-200-E-89	C8136	B29J39	98	100	non-Rad	Nitrite	14797-65-0	ug/kg	2/2/2011	466	CB
UPR-200-E-89	C8136	B29J39	98	100	Rad	Tritium	10028-17-8	pCi/g	2/2/2011	2.9	
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Nitrate	14797-55-8	ug/kg	2/1/2011	10,900	
UPR-200-E-89	C8136	B29J38	48	50	non-Rad	Nitrite	14797-65-0	ug/kg	2/1/2011	968	B
UPR-200-E-89	C8136	B29J38	48	50	Rad	Tritium	10028-17-8	pCi/g	2/1/2011	2.3	
UPR-200-E-89	C8138	B2BH80	175	177	Rad	Carbon-14	14762-75-5	pCi/g	3/30/2011	3.5	
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Nitrate	14797-55-8	ug/kg	3/30/2011	66,200	
UPR-200-E-89	C8138	B2BH80	175	177	non-Rad	Nitrite	14797-65-0	ug/kg	3/30/2011	1,050	B
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Nitrate	14797-55-8	ug/kg	3/28/2011	11,300	
UPR-200-E-89	C8138	B29J43	163	165	non-Rad	Nitrite	14797-65-0	ug/kg	3/28/2011	837	B
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Nitrate	14797-55-8	ug/kg	3/25/2011	208,000	
UPR-200-E-89	C8138	B29J42	96	98	non-Rad	Nitrite	14797-65-0	ug/kg	3/25/2011	1,240	B
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Nitrate	14797-55-8	ug/kg	3/23/2011	5,850	
UPR-200-E-89	C8138	B29J41	47	49	non-Rad	Nitrite	14797-65-0	ug/kg	3/23/2011	491	B
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Nitrate	14797-55-8	ug/kg	3/3/2011	33,400	

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
UPR-200-E-89	C8140	B29J65	178.5	180.5	non-Rad	Nitrite	14797-65-0	ug/kg	3/3/2011	1,030	B
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Nitrate	14797-55-8	ug/kg	3/2/2011	37,100	
UPR-200-E-89	C8140	B29J64	170	172	non-Rad	Nitrite	14797-65-0	ug/kg	3/2/2011	3,130	
UPR-200-E-89	C8140	B29J63	124	126	non-Rad	Nitrate	14797-55-8	ug/kg	2/25/2011	18,600	
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Nitrate	14797-55-8	ug/kg	6/1/2016	372,000	D
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Phenol	108-95-2	ug/kg	6/1/2016	56	J
UPR-200-E-89	C8706	B35NB2	198.3	201.3	non-Rad	Uranium	7440-61-1	ug/kg	6/1/2016	650	D
UPR-200-E-89	C8706	B35NB1	198.3	201.3	Rad	Carbon-14	14762-75-5	pCi/g	6/1/2016	0.66	
UPR-200-E-89	C8706	B35NB1	198.3	201.3	Rad	Technetium-99	14133-76-7	pCi/g	6/1/2016	17	
UPR-200-E-89	C8706	B35NB1	198.3	201.3	Rad	Tritium	10028-17-8	pCi/g	6/1/2016	15	
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Nitrate	14797-55-8	ug/kg	6/1/2016	53,100	D
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Phenol	108-95-2	ug/kg	6/1/2016	70	J
UPR-200-E-89	C8706	B35NB0	183.3	185.3	non-Rad	Uranium	7440-61-1	ug/kg	6/1/2016	470	BD
UPR-200-E-89	C8706	B35N99	183.3	185.3	Rad	Carbon-14	14762-75-5	pCi/g	6/1/2016	0.39	
UPR-200-E-89	C8706	B35N99	183.3	185.3	Rad	Technetium-99	14133-76-7	pCi/g	6/1/2016	4.1	
UPR-200-E-89	C8706	B35N99	183.3	185.3	Rad	Tritium	10028-17-8	pCi/g	6/1/2016	24	
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Nitrate	14797-55-8	ug/kg	5/26/2016	10,600	
UPR-200-E-89	C8706	B35N98	158.5	160.5	non-Rad	Uranium	7440-61-1	ug/kg	5/26/2016	460	BD
UPR-200-E-89	C8706	B35N97	158.5	160.5	Rad	Carbon-14	14762-75-5	pCi/g	5/26/2016	0.32	
UPR-200-E-89	C8706	B35N97	158.5	160.5	Rad	Technetium-99	14133-76-7	pCi/g	5/26/2016	1.6	
UPR-200-E-89	C8706	B35N97	158.5	160.5	Rad	Tritium	10028-17-8	pCi/g	5/26/2016	29	
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Nitrate	14797-55-8	ug/kg	5/26/2016	18,600	
UPR-200-E-89	C8706	B35N96	132.4	137.4	non-Rad	Uranium	7440-61-1	ug/kg	5/26/2016	400	BD
UPR-200-E-89	C8706	B35N95	132.4	137.4	Rad	Carbon-14	14762-75-5	pCi/g	5/26/2016	3.5	
UPR-200-E-89	C8706	B35N95	132.4	137.4	Rad	Technetium-99	14133-76-7	pCi/g	5/26/2016	2.3	
UPR-200-E-89	C8706	B35N95	132.4	137.4	Rad	Tritium	10028-17-8	pCi/g	5/26/2016	18	
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Nitrate	14797-55-8	ug/kg	5/25/2016	2.04E+06	D
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Nitrite	14797-65-0	ug/kg	5/25/2016	19,700	DN
UPR-200-E-89	C8706	B35N94	108.2	110.2	non-Rad	Uranium	7440-61-1	ug/kg	5/25/2016	720	D
UPR-200-E-89	C8706	B35N93	108.2	110.2	Rad	Carbon-14	14762-75-5	pCi/g	5/25/2016	2.6	
UPR-200-E-89	C8706	B35N93	108.2	110.2	Rad	Technetium-99	14133-76-7	pCi/g	5/25/2016	83	
UPR-200-E-89	C8706	B35N93	108.2	110.2	Rad	Tritium	10028-17-8	pCi/g	5/25/2016	20	
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Nitrate	14797-55-8	ug/kg	5/25/2016	9.74E+06	D
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Nitrite	14797-65-0	ug/kg	5/25/2016	46,000	DN
UPR-200-E-89	C8706	B35N92	78	80.4	non-Rad	Uranium	7440-61-1	ug/kg	5/25/2016	17,500	D
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Carbon-14	14762-75-5	pCi/g	5/25/2016	37	

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
UPR-200-E-89	C8706	B35N91	78	80.4	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	5/25/2016	310	B
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Technetium-99	14133-76-7	pCi/g	5/25/2016	289	
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Tritium	10028-17-8	pCi/g	5/25/2016	62	
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Uranium-233/234	U-233/234	pCi/g	5/25/2016	4.7	
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Uranium-234	13966-29-5	pCi/g	5/25/2016	4.7	
UPR-200-E-89	C8706	B35N91	78	80.4	Rad	Uranium-238	U-238	pCi/g	5/25/2016	5.1	
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Nitrate	14797-55-8	ug/kg	5/25/2016	3.14E+06	D
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Nitrite	14797-65-0	ug/kg	5/25/2016	591	BN
UPR-200-E-89	C8706	B35N90	162.9	164.9	non-Rad	Uranium	7440-61-1	ug/kg	5/25/2016	930	D
UPR-200-E-89	C8706	B35N89	162.9	164.9	Rad	Carbon-14	14762-75-5	pCi/g	5/25/2016	15	
UPR-200-E-89	C8706	B35N89	162.9	164.9	Rad	Technetium-99	14133-76-7	pCi/g	5/25/2016	251	
UPR-200-E-89	C8706	B35N89	162.9	164.9	Rad	Tritium	10028-17-8	pCi/g	5/25/2016	19	
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Nitrate	14797-55-8	ug/kg	6/2/2016	75,300	D
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Nitrite	14797-65-0	ug/kg	6/2/2016	493	BN
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Phenol	108-95-2	ug/kg	6/2/2016	170	J
UPR-200-E-89	C8706	B35N88	45.5	47	non-Rad	Uranium	7440-61-1	ug/kg	6/2/2016	2,300	D
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Carbon-14	14762-75-5	pCi/g	6/2/2016	33	
UPR-200-E-89	C8706	B35N87	45.5	47	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	6/2/2016	220	B
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Technetium-99	14133-76-7	pCi/g	6/2/2016	4.3	
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Tritium	10028-17-8	pCi/g	6/2/2016	4.7	
UPR-200-E-89	C8706	B35N87	45.5	47	Rad	Uranium-233/234	U-233/234	pCi/g	6/2/2016	1.4	
UPR-200-E-89	C8706	B33B29	5.9	8.4	non-Rad	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/22/2015	2,570	JT
UPR-200-E-89	C8706	B33B28	5.9	8.4	non-Rad	Acetone	67-64-1	ug/kg	10/22/2015	2.4	JT
UPR-200-E-89	C8706	B33B20	3.9	6.4	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/22/2015	205	B
UPR-200-E-89	C8706	B33B19	3.9	6.4	non-Rad	Acetone	67-64-1	ug/kg	10/22/2015	2.6	JT
UPR-200-E-89	C8706	B33B19	3.9	6.4	non-Rad	Toluene	108-88-3	ug/kg	10/22/2015	0.33	JT
UPR-200-E-89	C8707	B320P2	5	6.5	Rad	Uranium-238	U-238	pCi/g	7/21/2015	2.1	
UPR-200-E-89	C8707	B320N7	0	2.5	non-Rad	Nitrate	14797-55-8	ug/kg	7/21/2015	98,700	
UPR-200-E-89	C8707	B320N6	0	2.5	Rad	Uranium-233/234	U-233/234	pCi/g	7/21/2015	1.4	
UPR-200-E-89	C9548	B320R5	84.4	86.4	non-Rad	Nitrate	14797-55-8	ug/kg	7/30/2015	1.55E+06	D
UPR-200-E-89	C9548	B320R5	84.4	86.4	non-Rad	Nitrite	14797-65-0	ug/kg	7/30/2015	3,280	B
UPR-200-E-89	C9548	B320R4	84.4	86.4	Rad	Technetium-99	14133-76-7	pCi/g	7/30/2015	41	
UPR-200-E-89	C9548	B320R4	84.4	86.4	non-Rad	Uranium	7440-61-1	ug/kg	7/30/2015	464	D*
UPR-200-E-89	C9548	B320R4	84.4	86.4	Rad	Uranium-233/234	U-233/234	pCi/g	7/30/2015	1.4	
UPR-200-E-89	C9548	B320R2	64.4	66.4	non-Rad	Nitrate	14797-55-8	ug/kg	7/30/2015	8,150	
UPR-200-E-89	C9548	B320R1	64.4	66.4	non-Rad	Uranium	7440-61-1	ug/kg	7/30/2015	1,680	D*

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
UPR-200-E-89	C9548	B320R1	64.4	66.4	Rad	Uranium-233/234	U-233/234	pCi/g	7/30/2015	1.9	
UPR-200-E-89	C9548	B320P9	47.5	49.5	non-Rad	Nitrate	14797-55-8	ug/kg	7/30/2015	7,300	
UPR-200-E-89	C9548	B320P8	47.5	49.5	non-Rad	Uranium	7440-61-1	ug/kg	7/30/2015	1,630	D
UPR-200-E-89	C9548	B320P8	47.5	49.5	Rad	Uranium-238	U-238	pCi/g	7/30/2015	1.2	
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Nitrate	14797-55-8	ug/kg	4/25/2016	1.02E+06	D
UPR-200-E-89	C9549	B352X8	197.9	199.2	non-Rad	Uranium	7440-61-1	ug/kg	4/25/2016	660	D
UPR-200-E-89	C9549	B352X7	197.9	199.2	Rad	Technetium-99	14133-76-7	pCi/g	4/25/2016	82	
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Nitrate	14797-55-8	ug/kg	4/25/2016	531,000	D
UPR-200-E-89	C9549	B352X6	186.8	187.8	non-Rad	Uranium	7440-61-1	ug/kg	4/25/2016	620	D
UPR-200-E-89	C9549	B352X5	186.8	187.8	Rad	Technetium-99	14133-76-7	pCi/g	4/25/2016	55	
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Nitrate	14797-55-8	ug/kg	4/25/2016	1.02E+06	D
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Nitrite	14797-65-0	ug/kg	4/25/2016	723	
UPR-200-E-89	C9549	B352X4	156.6	157.6	non-Rad	Uranium	7440-61-1	ug/kg	4/25/2016	790	D
UPR-200-E-89	C9549	B352X3	156.6	157.6	Rad	Technetium-99	14133-76-7	pCi/g	4/25/2016	119	
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Nitrate	14797-55-8	ug/kg	4/21/2016	1.15E+06	D
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Nitrite	14797-65-0	ug/kg	4/21/2016	361	B
UPR-200-E-89	C9549	B352X2	127.2	128.3	non-Rad	Uranium	7440-61-1	ug/kg	4/21/2016	500	D
UPR-200-E-89	C9549	B352X1	127.2	128.3	Rad	Technetium-99	14133-76-7	pCi/g	4/21/2016	85	
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Nitrate	14797-55-8	ug/kg	4/21/2016	1.42E+07	D
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Nitrite	14797-65-0	ug/kg	4/21/2016	3,150	
UPR-200-E-89	C9549	B352X0	123.4	124.7	non-Rad	Uranium	7440-61-1	ug/kg	4/21/2016	1,100	D
UPR-200-E-89	C9549	B352W9	123.4	124.7	Rad	Technetium-99	14133-76-7	pCi/g	4/21/2016	441	
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Nitrate	14797-55-8	ug/kg	4/21/2016	2.61E+06	D
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Nitrite	14797-65-0	ug/kg	4/21/2016	1,450	
UPR-200-E-89	C9549	B352W8	112.6	113.6	non-Rad	Uranium	7440-61-1	ug/kg	4/21/2016	560	D
UPR-200-E-89	C9549	B352W7	112.6	113.6	Rad	Technetium-99	14133-76-7	pCi/g	4/21/2016	134	
UPR-200-E-89	C9549	B33122	7.2	9.7	Rad	Uranium-233/234	U-233/234	pCi/g	10/6/2015	1.2	
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Nitrate	14797-55-8	ug/kg	3/29/2016	620,000	D
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Nitrite	14797-65-0	ug/kg	3/29/2016	302	BN
UPR-200-E-89	C9550	B34T35	194	196	non-Rad	Uranium	7440-61-1	ug/kg	3/29/2016	680	D
UPR-200-E-89	C9550	B34T34	194	196	Rad	Technetium-99	14133-76-7	pCi/g	3/29/2016	16	
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Nitrate	14797-55-8	ug/kg	3/29/2016	7,970	
UPR-200-E-89	C9550	B34T33	175.5	176.5	non-Rad	Uranium	7440-61-1	ug/kg	3/29/2016	500	BD
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Nitrate	14797-55-8	ug/kg	3/25/2016	575,000	D
UPR-200-E-89	C9550	B34T31	154	155	non-Rad	Uranium	7440-61-1	ug/kg	3/25/2016	580	D
UPR-200-E-89	C9550	B34T30	154	155	Rad	Technetium-99	14133-76-7	pCi/g	3/25/2016	46	

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Nitrate	14797-55-8	ug/kg	3/24/2016	620,000	D
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Nitrite	14797-65-0	ug/kg	3/24/2016	394	B
UPR-200-E-89	C9550	B34T29	129.5	130.5	non-Rad	Uranium	7440-61-1	ug/kg	3/24/2016	980	D
UPR-200-E-89	C9550	B34T28	129.5	130.5	Rad	Technetium-99	14133-76-7	pCi/g	3/24/2016	28	
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Nitrate	14797-55-8	ug/kg	3/25/2016	323,000	D
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Nitrite	14797-65-0	ug/kg	3/25/2016	292	B
UPR-200-E-89	C9550	B34T27	110.2	111.2	non-Rad	Uranium	7440-61-1	ug/kg	3/25/2016	640	D
UPR-200-E-89	C9550	B34T26	110.2	111.2	Rad	Technetium-99	14133-76-7	pCi/g	3/25/2016	11	
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Nitrate	14797-55-8	ug/kg	3/24/2016	4,870	
UPR-200-E-89	C9550	B34T25	100.8	101.8	non-Rad	Uranium	7440-61-1	ug/kg	3/24/2016	800	D
UPR-200-E-89	C9550	B34T24	100.8	101.8	Rad	Technetium-99	14133-76-7	pCi/g	3/24/2016	0.99	
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Nitrate	14797-55-8	ug/kg	3/24/2016	3,850	
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Nitrite	14797-65-0	ug/kg	3/24/2016	263	B
UPR-200-E-89	C9550	B34T23	66.6	67.6	non-Rad	Uranium	7440-61-1	ug/kg	3/24/2016	880	D
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Nitrate	14797-55-8	ug/kg	3/18/2016	6,200	
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Nitrite	14797-65-0	ug/kg	3/18/2016	217	B
UPR-200-E-89	C9550	B34T21	49.9	51.9	non-Rad	Uranium	7440-61-1	ug/kg	3/18/2016	750	D
UPR-200-W-99	299-W14-15	B10Y93	236	238	non-Rad	Methylene chloride	75-09-2	ug/kg	11/20/2000	11	B
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Acetone	67-64-1	ug/kg	8/28/2000	14	B
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Methylene chloride	75-09-2	ug/kg	8/28/2000	14	B
UPR-200-W-99	299-W14-15	B0YW00	222	238	non-Rad	Nitrate	14797-55-8	ug/kg	8/28/2000	1,600	
UPR-200-W-99	299-W14-15	B0YVY9	236	238	Rad	Tritium	10028-17-8	pCi/g	8/28/2000	0.033	J
UPR-200-W-99	299-W14-15	B0YVY9	236	238	non-Rad	Uranium	7440-61-1	ug/kg	8/28/2000	568	J
UPR-200-W-99	299-W14-15	B0YVY8	222	225	Rad	Tritium	10028-17-8	pCi/g	8/28/2000	0.036	J
UPR-200-W-99	299-W14-15	B0YVY8	222	225	non-Rad	Uranium	7440-61-1	ug/kg	8/28/2000	908	J
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	2-Butanone	78-93-3	ug/kg	8/22/2000	1.0	JB
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	Acetone	67-64-1	ug/kg	8/22/2000	6.0	JB
UPR-200-W-99	299-W14-15	B0YVY7	5	10	non-Rad	Methylene chloride	75-09-2	ug/kg	8/22/2000	9.0	B
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	2-Chlorophenol	95-57-8	ug/kg	10/28/2002	23	J
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/28/2002	22	J
UPR-200-W-99	299-W14-19	B15VT5	0	5	Rad	Carbon-14	14762-75-5	pCi/g	10/28/2002	3.3	
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	10/28/2002	740	
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Methylene chloride	75-09-2	ug/kg	10/28/2002	12	
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/28/2002	19	J
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Total petroleum hydrocarbons	TPH	ug/kg	10/28/2002	24,200	
UPR-200-W-99	299-W14-19	B15VT5	0	5	non-Rad	Phenol	108-95-2	ug/kg	10/28/2002	40	J

Table 16. Final Data Set for the Future Groundwater Protection Evaluation

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte Group	Analyte	CAS#	Units	Sample Date	Measured Concentration	Lab Qualifier
UPR-200-W-99	299-W14-19	B15VT4	0	30	Rad	Carbon-14	14762-75-5	pCi/g	10/28/2002	2.6	
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Methylene chloride	75-09-2	ug/kg	10/28/2002	16	
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Nitrate	14797-55-8	ug/kg	10/28/2002	27,100	
UPR-200-W-99	299-W14-19	B15VT4	0	30	non-Rad	Total petroleum hydrocarbons	TPH	ug/kg	10/28/2002	18,800	
UPR-200-W-99	299-W14-20	B1YMN0	217.7	218.7	non-Rad	2-Butanone	78-93-3	ug/kg	4/6/2009	32	
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Nitrate	14797-55-8	ug/kg	3/26/2009	55,400	
UPR-200-W-99	299-W14-20	B1YM90	0	95	non-Rad	Nitrite	14797-65-0	ug/kg	3/26/2009	1,490	
UPR-200-W-99	299-W14-20	B1YD16	0	227.65	non-Rad	Nitrate	14797-55-8	ug/kg	4/10/2009	40,300	
UPR-200-W-99	299-W14-20	B1YD16	0	227.65	Rad	Technetium-99	14133-76-7	pCi/g	4/10/2009	2.4	
UPR-200-W-99	299-W14-20	B1YD16	0	227.65	non-Rad	Uranium	7440-61-1	ug/kg	4/10/2009	390	
UPR-200-W-99	299-W14-20	B1YD15	217.7	218.7	Rad	Technetium-99	14133-76-7	pCi/g	4/6/2009	0.39	
UPR-200-W-99	299-W14-20	B1YD15	217.7	218.7	non-Rad	Uranium	7440-61-1	ug/kg	4/6/2009	440	C
UPR-200-W-99	299-W14-20	B1YD14	90	92.5	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	3/26/2009	300	N
UPR-200-W-99	299-W14-20	B1YD14	90	92.5	non-Rad	Nitrate	14797-55-8	ug/kg	3/26/2009	44,300	
UPR-200-W-99	299-W14-20	B1YD14	90	92.5	Rad	Technetium-99	14133-76-7	pCi/g	3/26/2009	0.61	
UPR-200-W-99	299-W14-20	B1YD14	90	92.5	Rad	Tritium	10028-17-8	pCi/g	3/26/2009	39	
UPR-200-W-99	299-W14-20	B1YD14	90	92.5	non-Rad	Uranium	7440-61-1	ug/kg	3/26/2009	620	
UPR-200-W-99	299-W14-20	B1YMN0	217.7	218.7	non-Rad	2-Butanone	78-93-3	ug/kg	4/6/2009	32	

Defintion of Lab Qualifier

B - INORGANICS and WETCHEM - The analyte was detected at a value less than the contract required detection limit (RDL), but greater than or equal to the IDL/MDL (as appropriate).

B - ORGANICS - The analyte was detected in both the associated QC blank and in the sample.

C - INORGANICS/WETCHEM: The analyte was detected in both the sample and the associated QC blank, and the sample concentration was <= 5X the blank concentration.

D - All - Analyte was reported at a secondary dilution factor, typically DF>1 (i.e., the primary preparation required dilution to either bring the analyte within the calibration range or to minimize interference). Required for organics/wetchem if the sample was diluted.

E - INORGANICS - Reported value is estimated because of interference. See comment on cover page, hardcopy case narrative, or specific inorganic hardcopy data sheet.

J - ORGANICS - Estimated value; (1) constituent detected at a level less than the RDL or PQL and greater than or equal to the MDL, (2) estimated concentration for tentatively identified compounds (TICs).

M - INORGANICS - Duplicate precision criteria not met.

N - ALL (except GC/MS based analysis) - Spike and/or spike duplicate sample recovery is outside control limits.

T - Organics (GC/MS only) - Spike and/or spike duplicate sample recovery is outside control limits.

X - ALL – The result-specific translation of this qualifier code is provided in the hardcopy data report and/or case narrative. Additional result-specific translation information may also be found in the RESULT_COMMENT field for this record.

* - INORGANICS - Duplicate analysis not within control limits

Table 18. Future Groundwater Protection Radiological and Nonradiological COPCs for Each Representative Waste Site

Representative Waste Site	Radiological COPCs	Nonradiological COPCs
200-E-115	Carbon-14, Tritium	Amylene Hydrate, Nitrate, Nitrite, Styrene, Toluene, Total petroleum hydrocarbons-diesel range
200-W-54	Technetium-99	Acetone, Hexavalent Chromium, Methylene chloride
207-A-South	Tritium	2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex, 2,4-D(2,4-Dichlorophenoxyacetic acid), Diethylphthalate, Nitrogen in Nitrite and Nitrate
207-T	Technetium-99, Tritium	Acetone, Chloroform, Hexavalent Chromium, Methylene chloride, Nitrate, Phenol, Uranium
216-A-34	Tritium, Uranium-233/234, Uranium-234, Uranium-235, Uranium-238	Diethylphthalate, Nitrate, Nitrite, Nitrogen in Nitrite and Nitrate, Total petroleum hydrocarbons-diesel range, Uranium
UPR-200-E-64	Tritium, Uranium-233/234	Hexavalent Chromium, Methylene chloride, Nitrate, Nitrite, Trichloromonofluoromethane, Uranium
UPR-200-E-89	Carbon-14, Technetium-99, Tritium, Uranium-233/234, Uranium-234, Uranium-238	Acetone, Hexavalent Chromium, Nitrate, Nitrite, Nitrogen in Nitrite and Nitrate, Phenol, Toluene, Total petroleum hydrocarbons-diesel, Uranium
UPR-200-W-99	Carbon-14, Technetium-99, Tritium	2-Butanone, 2-Chlorophenol, 4-Chloro-3-methylphenol, Acetone, Hexavalent Chromium, Methylene chloride, Nitrate, Nitrite, n-Nitrosodi-n-propylamine, Phenol, Total petroleum hydrocarbons, Uranium

Table 19. Outdoor Worker Scenario Risk Estimates and Noncancer Hazards for the 200-IA-1 OU Representative Waste Sites

Site	Borehole	Sample Number	Top Depth (ft)	Bottom Depth (ft)	Sample Collection Date	Analyte Group	Analyte Name	CAS No.	Units	Max Concentration	Cancer Effects PRG	Cancer Risk Estimate	Percent Contribution	Noncancer Effects PRG	Noncancer Hazard Quotient	Percent Contribution
200-E-115	C7680	B26JK9	0	1	8/26/2010	non-Rad	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	7.40E-04	5.22E+02	1.42E-12	0.03%	1.86E+04	3.98E-08	0.00%
200-E-115	C7680	B26JK9	0	1	8/26/2010	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	1.00E-03	5.21E+02	1.92E-12	0.04%	1.86E+04	5.38E-08	0.00%
200-E-115	C7680	B26JK9	0	1	8/26/2010	non-Rad	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	ug/kg	1.50E-03	5.59E-01	2.68E-09	49.76%	1.87E+01	8.03E-05	0.05%
200-E-115	C7680	B26JK9	0	1	8/26/2010	non-Rad	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	ug/kg	4.30E-04	1.59E-01	2.70E-09	50.18%	5.67E+00	7.58E-05	0.05%
200-E-115	C7680	B26JK8	0	1	8/26/2010	non-Rad	Antimony	7440-36-0	ug/kg	2.14E+02	--	--	--	5.19E+05	4.12E-04	0.25%
200-E-115	C7680	B26JK8	0	1	8/26/2010	non-Rad	Nitrite	14797-65-0	ug/kg	2.32E+02	--	--	--	1.30E+08	1.79E-06	0.00%
200-E-115	C7680	B26JK8	0	1	8/26/2010	non-Rad	Strontium	7440-24-6	ug/kg	3.26E+04	--	--	--	7.79E+08	4.19E-05	0.03%
200-E-115	C7680	B26JL8	0	1	8/26/2010	non-Rad	Styrene	100-42-5	ug/kg	3.08E-01	--	--	--	3.65E+07	8.43E-09	0.00%
200-E-115	C7680	B26JL8	0	1	8/26/2010	non-Rad	Toluene	108-88-3	ug/kg	2.67E-01	--	--	--	3.87E+07	6.90E-09	0.00%
200-E-115	C7680	B26JK8	0	1	8/26/2010	non-Rad	Tungsten	7440-33-7	ug/kg	3.95E+04	--	--	--	1.04E+06	3.80E-02	23.49%
200-E-115	C7680	B26JK8	0	1	8/26/2010	non-Rad	Zirconium	7440-67-7	ug/kg	1.28E+04	--	--	--	1.04E+05	1.23E-01	76.13%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												5.39E-09			1.62E-01	
200-E-115	C7680	B26JK8	0	1	8/26/2010	Rad	Tritium	10028-17-8	pCi/g	4.48E+01	1.26E+04	3.56E-07	100.00%			
Total Radiological Risk Estimate												3.56E-07				
Total Non-Radiological and Radiological Risk Estimate												3.61E-07				

200-E-115	C7680	B26C28	10	12	8/29/2010	non-Rad	Amylene Hydrate	75-85-4	ug/kg	2.30E+02	--	--	--	4.01E+05	5.74E-04	0.31%
200-E-115	C7680	B26C28	10	12	8/29/2010	non-Rad	Nitrite	14797-65-0	ug/kg	6.13E+02	--	--	--	1.30E+08	4.72E-06	0.00%
200-E-115	C7680	B26C28	10	12	8/29/2010	non-Rad	Selenium	7782-49-2	ug/kg	9.65E+02	--	--	--	6.49E+06	1.49E-04	0.08%
200-E-115	C7680	B26C28	10	12	8/29/2010	non-Rad	Strontium	7440-24-6	ug/kg	2.02E+04	--	--	--	7.79E+08	2.59E-05	0.01%
200-E-115	C7680	B26C28	10	12	8/29/2010	non-Rad	Zirconium	7440-67-7	ug/kg	1.93E+04	--	--	--	1.04E+05	1.86E-01	99.60%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			1.87E-01	
200-E-115	C7680	B26C28	10	12	8/29/2010	Rad	Selenium-79	15758-45-9	pCi/g	2.65E+00	5.68E+04	4.66E-09	100.00%			
Total Radiological Risk Estimate												4.66E-09				
Total Non-Radiological and Radiological Risk Estimate												4.66E-09				

200-E-115	C7680	B26C30	14	16	8/29/2010	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	5.10E-04	5.21E+02	9.79E-13	100.00%	1.86E+04	2.74E-08	0.00%
200-E-115	C7680	B26C30	14	16	8/29/2010	non-Rad	Amylene Hydrate	75-85-4	ug/kg	2.60E+02				4.01E+05	6.49E-04	0.36%
200-E-115	C7680	B26C30	14	16	8/29/2010	non-Rad	Chromium	7440-47-3	ug/kg	2.68E+04				1.95E+08	1.37E-04	0.08%
200-E-115	C7680	B26C30	14	16	8/29/2010	non-Rad	Nitrite	14797-65-0	ug/kg	1.12E+03				1.30E+08	8.63E-06	0.00%
200-E-115	C7680	B26C30	14	16	8/29/2010	non-Rad	Strontium	7440-24-6	ug/kg	3.51E+04				7.79E+08	4.51E-05	0.02%
200-E-115	C7680	B26C31	14	16	8/29/2010	non-Rad	Styrene	100-42-5	ug/kg	2.73E-01				3.65E+07	7.47E-09	0.00%
200-E-115	C7680	B26C31	14	16	8/29/2010	non-Rad	Toluene	108-88-3	ug/kg	6.01E-01				3.87E+07	1.55E-08	0.00%
200-E-115	C7680	B26C30	14	16	8/29/2010	non-Rad	Zirconium	7440-67-7	ug/kg	1.87E+04				1.04E+05	1.80E-01	99.54%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												9.79E-13			1.81E-01	
Total Non-Radiological and Radiological Risk Estimate												9.79E-13				

Table 19. Outdoor Worker Scenario Risk Estimates and Noncancer Hazards for the 200-IA-1 OU Representative Waste Sites

Site	Borehole	Sample Number	Top Depth (ft)	Bottom Depth (ft)	Sample Collection Date	Analyte Group	Analyte Name	CAS No.	Units	Max Concentration	Cancer Effects PRG	Cancer Risk Estimate	Percent Contribution	Noncancer Effects PRG	Noncancer Hazard Quotient	Percent Contribution
200-E-115	C7680	B26C26	5	7	8/27/2010	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	5.00E-04	5.21E+02	9.60E-13	100.00%	1.86E+04	2.69E-08	0.00%
200-E-115	C7680	B26C26	5	7	8/27/2010	non-Rad	Amylene Hydrate	75-85-4	ug/kg	2.10E+02	--	--	--	4.01E+05	5.24E-04	0.38%
200-E-115	C7680	B26C26	5	7	8/27/2010	non-Rad	Antimony	7440-36-0	ug/kg	2.02E+02	--	--	--	5.19E+05	3.89E-04	0.28%
200-E-115	C7680	B26C26	5	7	8/27/2010	non-Rad	Nitrite	14797-65-0	ug/kg	7.36E+02	--	--	--	1.30E+08	5.67E-06	0.00%
200-E-115	C7680	B26C26	5	7	8/27/2010	non-Rad	Strontium	7440-24-6	ug/kg	2.37E+04	--	--	--	7.79E+08	3.04E-05	0.02%
200-E-115	C7680	B26C27	5	7	8/27/2010	non-Rad	Styrene	100-42-5	ug/kg	3.33E-01	--	--	--	3.65E+07	9.11E-09	0.00%
200-E-115	C7680	B26C27	5	7	8/27/2010	non-Rad	Toluene	108-88-3	ug/kg	3.87E-01	--	--	--	3.87E+07	1.00E-08	0.00%
200-E-115	C7680	B26C26	5	7	8/27/2010	non-Rad	Zirconium	7440-67-7	ug/kg	1.43E+04	--	--	--	1.04E+05	1.38E-01	99.32%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												9.60E-13			1.39E-01	
200-E-115	C7680	B26C26	5	7	8/27/2010	Rad	Selenium-79	15758-45-9	pCi/g	2.23E+00	5.68E+04	3.92E-09	100.00%			
Total Radiological Risk Estimate												3.92E-09				
Total Non-Radiological and Radiological Risk Estimate												3.93E-09				

200-E-115	C7682	B26JL1	0	1	8/17/2010	non-Rad	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	1.20E-03	5.22E+02	2.30E-12	27.23%	1.86E+04	6.45E-08	0.00%
200-E-115	C7682	B26JL1	0	1	8/17/2010	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	3.20E-03	5.21E+02	6.14E-12	72.77%	1.86E+04	1.72E-07	0.00%
200-E-115	C7682	B26JL0	0	1	8/17/2010	non-Rad	Amylene Hydrate	75-85-4	ug/kg	2.30E+02	--	--	--	4.01E+05	5.74E-04	0.63%
200-E-115	C7682	B26JL1	0	1	8/17/2010	non-Rad	Antimony	7440-36-0	ug/kg	2.18E+02	--	--	--	5.19E+05	4.20E-04	0.46%
200-E-115	C7682	B26JL1	0	1	8/17/2010	non-Rad	Nitrate	14797-55-8	ug/kg	5.46E+04	--	--	--	2.08E+09	2.63E-05	0.03%
200-E-115	C7682	B26JL1	0	1	8/17/2010	non-Rad	Nitrite	14797-65-0	ug/kg	1.21E+03	--	--	--	1.30E+08	9.32E-06	0.01%
200-E-115	C7682	B26JL1	0	1	8/17/2010	non-Rad	Selenium	7782-49-2	ug/kg	1.00E+03	--	--	--	6.49E+06	1.54E-04	0.17%
200-E-115	C7682	B26JL1	0	1	8/17/2010	non-Rad	Strontium	7440-24-6	ug/kg	3.05E+04	--	--	--	7.79E+08	3.92E-05	0.04%
200-E-115	C7682	B26JM0	0	1	8/17/2010	non-Rad	Styrene	100-42-5	ug/kg	4.30E-01	--	--	--	3.65E+07	1.18E-08	0.00%
200-E-115	C7682	B26JM0	0	1	8/17/2010	non-Rad	Toluene	108-88-3	ug/kg	3.86E-01	--	--	--	3.87E+07	9.97E-09	0.00%
200-E-115	C7682	B26JL0	0	1	8/17/2010	non-Rad	Zirconium	7440-67-7	ug/kg	9.31E+03	--	--	--	1.04E+05	8.97E-02	98.65%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												8.44E-12			9.09E-02	
200-E-115	C7682	B26JL1	0	1	8/17/2010	Rad	Tritium	10028-17-8	pCi/g	1.72E+00	1.26E+04	1.36E-08	100.00%			
Total Radiological Risk Estimate												1.36E-08				
Total Non-Radiological and Radiological Risk Estimate												1.36E-08				

200-E-115	C7682	B26C50	10	12	8/18/2010	non-Rad	Styrene	100-42-5	ug/kg	3.59E-01	--	--	--	3.65E+07	9.82E-09	52.29%
200-E-115	C7682	B26C50	10	12	8/18/2010	non-Rad	Toluene	108-88-3	ug/kg	3.47E-01	--	--	--	3.87E+07	8.96E-09	47.71%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			1.88E-08	
Total Non-Radiological and Radiological Risk Estimate												0.00E+00				

200-E-115	C7682	B26C51	12	14	8/18/2010	non-Rad	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	ug/kg	4.80E-04	5.22E+02	9.20E-13	34.74%	1.86E+04	2.58E-08	0.00%
200-E-115	C7682	B26C51	12	14	8/18/2010	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	9.00E-04	5.21E+02	1.73E-12	65.26%	1.86E+04	4.84E-08	0.00%

Table 19. Outdoor Worker Scenario Risk Estimates and Noncancer Hazards for the 200-IA-1 OU Representative Waste Sites

Site	Borehole	Sample Number	Top Depth (ft)	Bottom Depth (ft)	Sample Collection Date	Analyte Group	Analyte Name	CAS No.	Units	Max Concentration	Cancer Effects PRG	Cancer Risk Estimate	Percent Contribution	Noncancer Effects PRG	Noncancer Hazard Quotient	Percent Contribution
200-E-115	C7682	B26C51	12	14	8/18/2010	non-Rad	Molybdenum	7439-98-7	ug/kg	1.98E+03	--	--	--	6.49E+06	3.05E-04	0.43%
200-E-115	C7682	B26C51	12	14	8/18/2010	non-Rad	Nitrite	14797-65-0	ug/kg	1.85E+03	--	--	--	1.30E+08	1.43E-05	0.02%
200-E-115	C7682	B26C51	12	14	8/18/2010	non-Rad	Selenium	7782-49-2	ug/kg	1.00E+03	--	--	--	6.49E+06	1.54E-04	0.22%
200-E-115	C7682	B26C51	12	14	8/18/2010	non-Rad	Strontium	7440-24-6	ug/kg	3.11E+04	--	--	--	7.79E+08	3.99E-05	0.06%
200-E-115	C7682	B26C51	12	14	8/18/2010	non-Rad	Thallium	7440-28-0	ug/kg	1.94E+02	--	--	--	1.30E+04	1.49E-02	20.99%
200-E-115	C7682	B26C51	12	14	8/18/2010	non-Rad	Zirconium	7440-67-7	ug/kg	5.79E+03	--	--	--	1.04E+05	5.58E-02	78.29%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												2.65E-12			7.12E-02	
200-E-115	C7682	B26C51	12	14	8/18/2010	Rad	Tritium	10028-17-8	pCi/g	1.73E+00	1.26E+04	1.37E-08	100.00%			
Total Radiological Risk Estimate												1.37E-08				
Total Non-Radiological and Radiological Risk Estimate												1.37E-08				

200-E-115	C7682	B26C53	14	16	8/19/2010	non-Rad	Butylbenzylphthalate	85-68-7	ug/kg	2.00E+02	1.34E+06	1.49E-10	100.00%	1.82E+08	1.10E-06	0.00%
200-E-115	C7682	B26C53	14	16	8/19/2010	non-Rad	Molybdenum	7439-98-7	ug/kg	2.00E+03	--	--	--	6.49E+06	3.08E-04	0.27%
200-E-115	C7682	B26C53	14	16	8/19/2010	non-Rad	Nitrite	14797-65-0	ug/kg	1.34E+03	--	--	--	1.30E+08	1.03E-05	0.01%
200-E-115	C7682	B26C53	14	16	8/19/2010	non-Rad	Selenium	7782-49-2	ug/kg	1.00E+03	--	--	--	6.49E+06	1.54E-04	0.13%
200-E-115	C7682	B26C53	14	16	8/19/2010	non-Rad	Strontium	7440-24-6	ug/kg	3.77E+04	--	--	--	7.79E+08	4.84E-05	0.04%
200-E-115	C7682	B26C54	14	16	8/19/2010	non-Rad	Styrene	100-42-5	ug/kg	4.64E-01	--	--	--	3.65E+07	1.27E-08	0.00%
200-E-115	C7682	B26C54	14	16	8/19/2010	non-Rad	Toluene	108-88-3	ug/kg	1.05E+00	--	--	--	3.87E+07	2.71E-08	0.00%
200-E-115	C7682	B26C53	14	16	8/19/2010	non-Rad	Zirconium	7440-67-7	ug/kg	1.19E+04	--	--	--	1.04E+05	1.15E-01	99.55%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												1.49E-10			1.15E-01	
200-E-115	C7682	B26C53	14	16	8/19/2010	Rad	Tritium	10028-17-8	pCi/g	2.99E+00	1.26E+04	2.37E-08	100.00%			
Total Radiological Risk Estimate												2.37E-08				
Total Non-Radiological and Radiological Risk Estimate												2.39E-08				

200-E-115	C7682	B26C47	5	7	8/18/2010	non-Rad	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	ug/kg	6.00E-04	5.21E+02	1.15E-12	100.00%	1.86E+04	3.23E-08	0.00%
200-E-115	C7682	B26C47	5	7	8/18/2010	non-Rad	Antimony	7440-36-0	ug/kg	4.20E+02	--	--	--	5.19E+05	8.09E-04	0.94%
200-E-115	C7682	B26C47	5	7	8/18/2010	non-Rad	Selenium	7782-49-2	ug/kg	1.00E+03	--	--	--	6.49E+06	1.54E-04	0.18%
200-E-115	C7682	B26C47	5	7	8/18/2010	non-Rad	Strontium	7440-24-6	ug/kg	2.15E+04	--	--	--	7.79E+08	2.76E-05	0.03%
200-E-115	C7682	B26C48	5	7	8/18/2010	non-Rad	Styrene	100-42-5	ug/kg	3.26E-01	--	--	--	3.65E+07	8.92E-09	0.00%
200-E-115	C7682	B26C48	5	7	8/18/2010	non-Rad	Toluene	108-88-3	ug/kg	3.08E-01	--	--	--	3.87E+07	7.96E-09	0.00%
200-E-115	C7682	B26C47	5	7	8/18/2010	non-Rad	Zirconium	7440-67-7	ug/kg	8.82E+03	--	--	--	1.04E+05	8.50E-02	98.85%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												1.15E-12			8.59E-02	
200-E-115	C7682	B26C47	5	7	8/18/2010	Rad	Carbon-14	14762-75-5	pCi/g	3.49E+00	5.70E+05	6.11E-10	100.00%			
Total Radiological Risk Estimate												6.11E-10				
Total Non-Radiological and Radiological Risk Estimate												6.13E-10				

200-W-54	299-W22-84	B139C3	0	6	10/19/2001	non-Rad	Acetone	67-64-1	ug/kg	4.40E+01	--	--	--	7.47E+08	5.89E-08	0.03%
200-W-54	299-W22-84	B139D1	0	6	10/19/2001	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	4.90E+02	7.26E+03	6.75E-08	99.99%	3.89E+06	1.26E-04	59.05%

Table 19. Outdoor Worker Scenario Risk Estimates and Noncancer Hazards for the 200-IA-1 OU Representative Waste Sites

Site	Borehole	Sample Number	Top Depth (ft)	Bottom Depth (ft)	Sample Collection Date	Analyte Group	Analyte Name	CAS No.	Units	Max Concentration	Cancer Effects PRG	Cancer Risk Estimate	Percent Contribution	Noncancer Effects PRG	Noncancer Hazard Quotient	Percent Contribution
200-W-54	299-W22-84	B139D1	0	6	10/19/2001	non-Rad	Methylene chloride	75-09-2	ug/kg	1.10E+01	1.13E+06	9.73E-12	0.01%	3.52E+06	3.13E-06	1.47%
200-W-54	299-W22-84	B139D1	0	6	10/19/2001	non-Rad	Molybdenum	7439-98-7	ug/kg	5.30E+02	--	--	--	6.49E+06	8.17E-05	38.31%
200-W-54	299-W22-84	B139C3	0	6	10/19/2001	non-Rad	Tin	7440-31-5	ug/kg	1.90E+03	--	--	--	7.79E+08	2.44E-06	1.14%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												6.75E-08			2.13E-04	
Total Non-Radiological and Radiological Risk Estimate												6.75E-08				
207-A-South	C4113	B17HR9	1	2	9/3/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	1.00E+03	--	--	--	2.08E+09	4.82E-07	100.00%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			4.82E-07	
207-A-South	C4113	B17HR9	1	2	9/3/2003	Rad	Strontium-90	10098-97-2	pCi/g	4.56E-01	1.19E+03	3.83E-08	96.92%			
207-A-South	C4113	B17HR9	1	2	9/3/2003	Rad	Tritium	10028-17-8	pCi/g	1.54E-01	1.26E+04	1.22E-09	3.08%			
Total Radiological Risk Estimate												3.96E-08				
Total Non-Radiological and Radiological Risk Estimate												3.96E-08				
207-A-South	C4113	B17HR8	12.5	13.5	9/10/2003	non-Rad	Diethylphthalate	84-66-2	ug/kg	2.60E+02	--	--	--	7.29E+08	3.56E-07	0.11%
207-A-South	C4113	B17HT2	12.5	13.5	9/10/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	5.30E+02	--	--	--	2.08E+09	2.55E-07	0.08%
207-A-South	C4113	B17HR8	12.5	13.5	9/10/2003	non-Rad	Silver	7440-22-4	ug/kg	2.04E+03	--	--	--	6.49E+06	3.14E-04	99.81%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			3.15E-04	
Total Non-Radiological and Radiological Risk Estimate												0.00E+00				
207-A-South	C4113	B17HT0	2	3	9/3/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	5.10E+03	--	--	--	2.08E+09	2.46E-06	100.00%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			2.46E-06	
207-A-South	C4113	B17HT0	2	3	9/3/2003	Rad	Strontium-90	10098-97-2	pCi/g	3.01E-01	1.19E+03	2.53E-08	90.69%			
207-A-South	C4113	B17HT0	2	3	9/3/2003	Rad	Tritium	10028-17-8	pCi/g	3.27E-01	1.26E+04	2.60E-09	9.31%			
Total Radiological Risk Estimate												2.79E-08				
Total Non-Radiological and Radiological Risk Estimate												2.79E-08				
207-A-South	C4113	B17HT1	6	7	9/3/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	1.10E+03	--	--	--	2.08E+09	5.30E-07	100.00%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			5.30E-07	
Total Non-Radiological and Radiological Risk Estimate												0.00E+00				
207-A-South	C4114	B17HX4	1	2	9/3/2003	non-Rad	2-(2,4,5-Trichlorophenoxy)propionic ac	93-72-1	ug/kg	3.30E+00	--	--	--	7.29E+06	4.52E-07	9.55%
207-A-South	C4114	B17HX4	1	2	9/3/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	8.90E+03	--	--	--	2.08E+09	4.29E-06	90.45%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			4.74E-06	
207-A-South	C4114	B17HX4	1	2	9/3/2003	Rad	Strontium-90	10098-97-2	pCi/g	9.45E-01	1.19E+03	7.94E-08	80.06%			
207-A-South	C4114	B17HX4	1	2	9/3/2003	Rad	Tritium	10028-17-8	pCi/g	2.49E+00	1.26E+04	1.98E-08	19.94%			
Total Radiological Risk Estimate												9.92E-08				

Table 19. Outdoor Worker Scenario Risk Estimates and Noncancer Hazards for the 200-IA-1 OU Representative Waste Sites

Site	Borehole	Sample Number	Top Depth (ft)	Bottom Depth (ft)	Sample Collection Date	Analyte Group	Analyte Name	CAS No.	Units	Max Concentration	Cancer Effects PRG	Cancer Risk Estimate	Percent Contribution	Noncancer Effects PRG	Noncancer Hazard Quotient	Percent Contribution
Total Non-Radiological and Radiological Risk Estimate												9.92E-08				
207-A-South	C4114	B17HY3	12.5	13.5	9/10/2003	non-Rad	Diethylphthalate	84-66-2	ug/kg	2.10E+02	--	--	--	7.29E+08	2.88E-07	19.94%
207-A-South	C4114	B17HX7	12.5	13.5	9/10/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	2.40E+03	--	--	--	2.08E+09	1.16E-06	80.06%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			1.44E-06	
207-A-South	C4114	B17HY3	12.5	13.5	9/10/2003	Rad	Americium-241	14596-10-2	pCi/g	2.53E-02	6.13E+02	4.13E-09	20.67%			
207-A-South	C4114	B17HX7	12.5	13.5	9/10/2003	Rad	Tritium	10028-17-8	pCi/g	2.00E+00	1.26E+04	1.59E-08	79.33%			
Total Radiological Risk Estimate												2.00E-08				
Total Non-Radiological and Radiological Risk Estimate												2.00E-08				
207-A-South	C4114	B17HX5	2	3	9/3/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	2.09E+04	--	--	--	2.08E+09	1.01E-05	100.00%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			1.01E-05	
207-A-South	C4114	B17HX5	2	3	9/3/2003	Rad	Strontium-90	10098-97-2	pCi/g	9.04E-01	1.19E+03	7.60E-08	65.92%			
207-A-South	C4114	B17HX5	2	3	9/3/2003	Rad	Tritium	10028-17-8	pCi/g	4.95E+00	1.26E+04	3.93E-08	34.08%			
Total Radiological Risk Estimate												1.15E-07				
Total Non-Radiological and Radiological Risk Estimate												1.15E-07				
207-A-South	C4114	B17HX6	6	7	9/4/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	4.50E+03	--	--	--	2.08E+09	2.17E-06	100.00%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			2.17E-06	
207-A-South	C4114	B17HX6	6	7	9/4/2003	Rad	Tritium	10028-17-8	pCi/g	2.27E+00	1.26E+04	1.80E-08	100.00%			
Total Radiological Risk Estimate												1.80E-08				
Total Non-Radiological and Radiological Risk Estimate												1.80E-08				
207-A-South	C4115	B17HX8	1	2	9/3/2003	non-Rad	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	7.10E+00	--	--	--	1.07E+07	6.63E-07	46.24%
207-A-South	C4115	B17HX8	1	2	9/3/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	1.60E+03	--	--	--	2.08E+09	7.71E-07	53.76%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			1.43E-06	
207-A-South	C4115	B17HX8	1	2	9/3/2003	Rad	Strontium-90	10098-97-2	pCi/g	8.23E-01	1.19E+03	6.92E-08	98.67%			
207-A-South	C4115	B17HX8	1	2	9/3/2003	Rad	Tritium	10028-17-8	pCi/g	1.18E-01	1.26E+04	9.35E-10	1.33%			
Total Radiological Risk Estimate												7.01E-08				
Total Non-Radiological and Radiological Risk Estimate												7.01E-08				
207-A-South	C4115	B17HY5	12.5	13.5	9/10/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	2.30E+03	--	--	--	2.08E+09	1.11E-06	100.00%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			1.11E-06	
207-A-South	C4115	B17HY9	12.5	13.5	9/10/2003	Rad	Americium-241	14596-10-2	pCi/g	1.85E-02	6.13E+02	3.02E-09	13.56%			
207-A-South	C4115	B17HY5	12.5	13.5	9/10/2003	Rad	Tritium	10028-17-8	pCi/g	2.42E+00	1.26E+04	1.93E-08	86.44%			
Total Radiological Risk Estimate												2.23E-08				
Total Non-Radiological and Radiological Risk Estimate												2.23E-08				

Table 19. Outdoor Worker Scenario Risk Estimates and Noncancer Hazards for the 200-IA-1 OU Representative Waste Sites

Site	Borehole	Sample Number	Top Depth (ft)	Bottom Depth (ft)	Sample Collection Date	Analyte Group	Analyte Name	CAS No.	Units	Max Concentration	Cancer Effects PRG	Cancer Risk Estimate	Percent Contribution	Noncancer Effects PRG	Noncancer Hazard Quotient	Percent Contribution
207-A-South	C4115	B17HX9	2	3	9/3/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	9.20E+02	--	--	--	2.08E+09	4.43E-07	100.00%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			4.43E-07	
207-A-South	C4115	B17HX9	2	3	9/3/2003	Rad	Strontium-90	10098-97-2	pCi/g	7.96E-01	1.19E+03	6.69E-08	100.00%			
Total Radiological Risk Estimate												6.69E-08				
Total Non-Radiological and Radiological Risk Estimate												6.69E-08				
207-A-South	C4115	B17HY4	6	7	9/4/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	1.32E+04	--	--	--	2.08E+09	6.36E-06	100.00%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			6.36E-06	
207-A-South	C4115	B17HY4	6	7	9/4/2003	Rad	Tritium	10028-17-8	pCi/g	6.63E+00	1.26E+04	5.26E-08	100.00%			
Total Radiological Risk Estimate												5.26E-08				
Total Non-Radiological and Radiological Risk Estimate												5.26E-08				
207-A-South	D074	S827942	0	1	6/3/2010	Rad	Europium-152	14683-23-9	pCi/g	2.24E-02	6.80E+00	3.29E-07	88.96%			
207-A-South	D074	S827942	0	1	6/3/2010	Rad	Plutonium-238	13981-16-3	pCi/g	5.56E-03	3.44E+03	1.62E-10	0.04%			
207-A-South	D074	S827942	0	1	6/3/2010	Rad	Strontium-90	10098-97-2	pCi/g	4.84E-01	1.19E+03	4.07E-08	11.00%			
Total Radiological Risk Estimate												3.70E-07				
Total Non-Radiological and Radiological Risk Estimate												3.70E-07				
207-T	299-W11-39	B10F90	10	14	11/30/2000	non-Rad	Acetone	67-64-1	ug/kg	7.00E+00	--	--	--	7.47E+08	9.37E-09	0.10%
207-T	299-W11-39	B10F90	10	14	11/30/2000	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	1.00E+02	1.82E+05	5.48E-10	97.79%	1.82E+07	5.48E-06	55.60%
207-T	299-W11-39	B10F90	10	14	11/30/2000	non-Rad	Methylene chloride	75-09-2	ug/kg	1.40E+01	1.13E+06	1.24E-11	2.21%	3.52E+06	3.98E-06	40.38%
207-T	299-W11-39	B10F90	10	14	11/30/2000	non-Rad	Phenol	108-95-2	ug/kg	3.50E+01	--	--	--	9.04E+07	3.87E-07	3.92%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												5.61E-10			9.86E-06	
Total Non-Radiological and Radiological Risk Estimate												5.61E-10				
207-T	299-W11-40	B105W3	5	15	9/27/2000	non-Rad	Methylene chloride	75-09-2	ug/kg	9.00E+00	1.13E+06	7.96E-12	100.00%	3.52E+06	2.56E-06	100.00%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												7.96E-12			2.56E-06	
Total Non-Radiological and Radiological Risk Estimate												7.96E-12				
207-T	299-W11-40	B105V3	5	7	9/27/2000	Rad	Technetium-99	14133-76-7	pCi/g	6.15E-01	1.17E+05	5.25E-10	100.00%			
Total Radiological Risk Estimate												5.25E-10				
Total Non-Radiological and Radiological Risk Estimate												5.25E-10				

Table 19. Outdoor Worker Scenario Risk Estimates and Noncancer Hazards for the 200-IA-1 OU Representative Waste Sites

Site	Borehole	Sample Number	Top Depth (ft)	Bottom Depth (ft)	Sample Collection Date	Analyte Group	Analyte Name	CAS No.	Units	Max Concentration	Cancer Effects PRG	Cancer Risk Estimate	Percent Contribution	Noncancer Effects PRG	Noncancer Hazard Quotient	Percent Contribution
207-T	299-W11-40	B105V5	7	15	9/29/2000	Rad	Tritium	10028-17-8	pCi/g	8.22E-02	1.26E+04	6.53E-10	100.00%			
Total Radiological Risk Estimate												6.53E-10				
Total Non-Radiological and Radiological Risk Estimate												6.53E-10				
207-T/200-W-53	299-W11-41	B0YVX7	15	15	8/7/2000	Rad	Technetium-99	14133-76-7	pCi/g	5.82E-01	1.17E+05	4.97E-10	100.00%			
Total Radiological Risk Estimate												4.97E-10				
Total Non-Radiological and Radiological Risk Estimate												4.97E-10				
207-T/200-W-53	299-W11-41	B0YVX8	5	15	8/7/2000	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	3.50E+01	1.82E+05	1.92E-10	94.10%	1.82E+07	1.92E-06	33.14%
207-T/200-W-53	299-W11-41	B0YVX8	5	15	8/7/2000	non-Rad	Methylene chloride	75-09-2	ug/kg	1.36E+01	1.13E+06	1.20E-11	5.90%	3.52E+06	3.87E-06	66.86%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												2.04E-10			5.79E-06	
Total Non-Radiological and Radiological Risk Estimate												2.04E-10				
207-T/200-W-53	299-W11-41	B0YVX6	5	5	8/7/2000	Rad	Technetium-99	14133-76-7	pCi/g	7.38E-01	1.17E+05	6.30E-10	100.00%			
Total Radiological Risk Estimate												6.30E-10				
Total Non-Radiological and Radiological Risk Estimate												6.30E-10				
207-T/200-W-53	D018	S336968	0	1	5/10/2000	Rad	Europium-152	14683-23-9	pCi/g	0.002	6.80E+00	3.38E-08	38%			
207-T/200-W-53	D018	S336968	0	1	5/10/2000	Rad	Plutonium-238	13981-16-3	pCi/g	0.02	3.44E+03	4.48E-10	1%			
207-T/200-W-53	D018	S336968	0	1	5/10/2000	Rad	Plutonium-239/240	PU-239/240	pCi/g	0.41	2.97E+03	1.38E-08	16%			
207-T/200-W-53	D018	S336968	0	1	5/10/2000	Rad	Strontium-90	10098-97-2	pCi/g	0.49	1.19E+03	4.08E-08	46%			
Total Radiological Risk Estimate												8.89E-08				
Total Non-Radiological and Radiological Risk Estimate												8.89E-08				
207-T/200-W-53	D018	S423810	0	1	5/16/2002	Rad	Europium-152	14683-23-9	pCi/g	0.0004	6.80E+00	5.96E-09	68%			
207-T/200-W-53	D018	S423810	0	1	5/16/2002	Rad	Plutonium-238	13981-16-3	pCi/g	0.01	3.44E+03	3.29E-10	4%			
207-T/200-W-53	D018	S423810	0	1	5/16/2002	Rad	Plutonium-239/240	PU-239/240	pCi/g	0.07	2.97E+03	2.49E-09	28%			
Total Radiological Risk Estimate												8.78E-09				
Total Non-Radiological and Radiological Risk Estimate												8.78E-09				
207-T/200-W-53	D018	S609861	0	1	6/21/2004	Rad	Cesium-137	10045-97-3	pCi/g	1.78	1.08E+01	1.65E-05	99%			
207-T/200-W-53	D018	S609861	0	1	6/21/2004	Rad	Europium-152	14683-23-9	pCi/g	0.009	6.80E+00	1.38E-07	1%			
207-T/200-W-53	D018	S609861	0	1	6/21/2004	Rad	Plutonium-239/240	PU-239/240	pCi/g	0.12	2.97E+03	4.04E-09	0%			
207-T/200-W-53	D018	S609861	0	1	6/21/2004	Rad	Strontium-90	10098-97-2	pCi/g	0.45	1.19E+03	3.82E-08	0%			

Table 19. Outdoor Worker Scenario Risk Estimates and Noncancer Hazards for the 200-IA-1 OU Representative Waste Sites

Site	Borehole	Sample Number	Top Depth (ft)	Bottom Depth (ft)	Sample Collection Date	Analyte Group	Analyte Name	CAS No.	Units	Max Concentration	Cancer Effects PRG	Cancer Risk Estimate	Percent Contribution	Noncancer Effects PRG	Noncancer Hazard Quotient	Percent Contribution
Total Radiological Risk Estimate												1.66E-05				
Total Non-Radiological and Radiological Risk Estimate												1.66E-05				
207-T/200-W-53	D018	S685043	0	1	5/22/2006	Rad	Europium-152	14683-23-9	pCi/g	0.002	6.80E+00	3.16E-08	99%			
207-T/200-W-53	D018	S685043	0	1	5/22/2006	Rad	Plutonium-238	13981-16-3	pCi/g	8.08E-03	3.44E+03	2.35E-10	1%			
Total Radiological Risk Estimate												3.18E-08				
Total Non-Radiological and Radiological Risk Estimate												3.18E-08				
207-T/200-W-53	D018	S755553	0	1	5/27/2008	Rad	Europium-152	14683-23-9	pCi/g	0.006	6.80E+00	8.92E-08	77%			
207-T/200-W-53	D018	S755553	0	1	5/27/2008	Rad	Plutonium-238	13981-16-3	pCi/g	4.01E-03	3.44E+03	1.17E-10	0%			
207-T/200-W-53	D018	S755553	0	1	5/27/2008	Rad	Strontium-90	10098-97-2	pCi/g	3.18E-01	1.19E+03	2.67E-08	23%			
Total Radiological Risk Estimate												1.16E-07				
Total Non-Radiological and Radiological Risk Estimate												1.16E-07				
207-T/200-W-53	D018	S827914	0	1	5/27/2010	Rad	Europium-152	14683-23-9	pCi/g	0.024	6.80E+00	3.59E-07	79%			
207-T/200-W-53	D018	S827914	0	1	5/27/2010	Rad	Plutonium-238	13981-16-3	pCi/g	0.006	3.44E+03	1.62E-10	0%			
207-T/200-W-53	D018	S827914	0	1	5/27/2010	Rad	Plutonium-239/240	PU-239/240	pCi/g	0.10	2.97E+03	3.27E-09	1%			
207-T/200-W-53	D018	S827914	0	1	5/27/2010	Rad	Strontium-90	10098-97-2	pCi/g	1.11E+00	1.19E+03	9.34E-08	20%			
Total Radiological Risk Estimate												4.56E-07				
Total Non-Radiological and Radiological Risk Estimate												4.56E-07				
207-T/200-W-53	D018	S976724	0	1	6/9/2016	Rad	Cesium-137	10045-97-3	pCi/g	1.49	1.08E+01	1.38E-05	100%			
207-T/200-W-53	D018	S976724	0	1	6/9/2016	Rad	Plutonium-239/240	PU-239/240	pCi/g	0.04	2.97E+03	1.42E-09	0%			
Total Radiological Risk Estimate												1.38E-05				
Total Non-Radiological and Radiological Risk Estimate												1.38E-05				
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	6.60E+02	1.82E+05	3.62E-09	0.37%	1.82E+07	3.62E-05	0.01%
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	non-Rad	Boron	7440-42-8	ug/kg	3.89E+04	--	--	--	2.60E+08	1.50E-04	0.03%
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	non-Rad	Fluoride	16984-48-8	ug/kg	5.62E+03	--	--	--	5.19E+07	1.08E-04	0.02%
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	non-Rad	Nitrate	14797-55-8	ug/kg	2.42E+06	--	--	--	2.08E+09	1.17E-03	0.21%
216-A-34	C3245	B16RW5	14.5	17	4/4/2003	non-Rad	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	ug/kg	5.44E+05	--	--	--	2.08E+09	2.62E-04	0.05%
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	non-Rad	Tributyl phosphate	126-73-8	ug/kg	2.80E+05	2.84E+05	9.87E-07	99.63%	9.12E+06	3.07E-02	5.64%
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	non-Rad	Uranium	7440-61-1	ug/kg	1.29E+05	--	--	--	2.60E+05	4.97E-01	91.32%
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	non-Rad	Vanadium	7440-62-2	ug/kg	9.61E+04	--	--	--	6.49E+06	1.48E-02	2.72%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												9.91E-07			5.44E-01	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Rad	Americium-241	14596-10-2	pCi/g	7.89E-02	6.13E+02	1.29E-08	0.04%			

Table 19. Outdoor Worker Scenario Risk Estimates and Noncancer Hazards for the 200-IA-1 OU Representative Waste Sites

Site	Borehole	Sample Number	Top Depth (ft)	Bottom Depth (ft)	Sample Collection Date	Analyte Group	Analyte Name	CAS No.	Units	Max Concentration	Cancer Effects PRG	Cancer Risk Estimate	Percent Contribution	Noncancer Effects PRG	Noncancer Hazard Quotient	Percent Contribution
216-A-34	C3245	B16RW5	14.5	17	4/4/2003	Rad	Nickel-63	13981-37-8	pCi/g	1.57E+01	6.00E+05	2.61E-09	0.01%			
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Rad	Plutonium-239/240	PU-239/240	pCi/g	1.80E-01	2.97E+03	6.06E-09	0.02%			
216-A-34	C3245	B16RW5	14.5	17	4/4/2003	Rad	Strontium-90	10098-97-2	pCi/g	1.08E+01	1.19E+03	9.04E-07	2.65%			
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Rad	Uranium-233/234	U-233/234	pCi/g	6.00E+00	2.20E+03	2.73E-07	0.80%			
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Rad	Uranium-234	13966-29-5	pCi/g	6.00E+00	2.20E+03	2.73E-07	0.80%			
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Rad	Uranium-235	15117-96-1	pCi/g	9.40E-01	3.60E+01	2.61E-06	7.66%			
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	Rad	Uranium-238	U-238	pCi/g	5.10E+01	1.70E+02	3.00E-05	88.02%			
Total Radiological Risk Estimate												3.41E-05				
Total Non-Radiological and Radiological Risk Estimate												3.51E-05				

UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	non-Rad	Mercury	7439-97-6	ug/kg	5.00E+02	--	--	--	3.89E+05	1.28E-03	100.00%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			1.28E-03	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Rad	Americium-241	14596-10-2	pCi/g	8.93E+00	6.13E+02	1.46E-06	0.01%			
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Rad	Cesium-137	10045-97-3	pCi/g	2.83E+03	1.08E+01	2.62E-02	99.92%			
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Rad	Europium-154	15585-10-1	pCi/g	1.57E+00	8.20E+00	1.92E-05	0.07%			
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Rad	Plutonium-238	13981-16-3	pCi/g	2.37E-01	3.44E+03	6.88E-09	0.00%			
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Rad	Plutonium-239/240	PU-239/240	pCi/g	7.30E-01	2.97E+03	2.46E-08	0.00%			
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	Rad	Uranium-233/234	U-233/234	pCi/g	2.00E+00	2.20E+03	9.09E-08	0.00%			
Total Radiological Risk Estimate												2.62E-02				
Total Non-Radiological and Radiological Risk Estimate												2.62E-02				

UPR-200-E-64	C5942	B1TFN9	4	6	2/11/2008	Rad	Americium-241	14596-10-2	pCi/g	1.57E-01	6.13E+02	2.56E-08	100.00%			
Total Radiological Risk Estimate												2.56E-08				
Total Non-Radiological and Radiological Risk Estimate												2.56E-08				

UPR-200-E-89	299-E33-341	B1TP22	0	15	4/29/2008	Rad	Cesium-137	10045-97-3	pCi/g	1.54E+01	1.08E+01	1.42E-04	100.00%			
Total Radiological Risk Estimate												1.42E-04				
Total Non-Radiological and Radiological Risk Estimate												1.42E-04				

UPR-200-E-89	C8706	B33B19	3.9	6.4	10/22/2015	non-Rad	Acetone	67-64-1	ug/kg	2.64E+00	--	--	--	7.47E+08	3.53E-09	0.00%
UPR-200-E-89	C8706	B33B24	3.9	6.4	10/22/2015	non-Rad	Antimony	7440-36-0	ug/kg	1.35E+03	--	--	--	5.19E+05	2.60E-03	48.01%
UPR-200-E-89	C8706	B33B24	3.9	6.4	10/22/2015	non-Rad	Cyanide	57-12-5	ug/kg	4.55E+02	--	--	--	1.80E+05	2.53E-03	46.78%
UPR-200-E-89	C8706	B33B20	3.9	6.4	10/22/2015	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	2.05E+02	7.26E+03	2.82E-08	100.00%	3.89E+06	5.27E-05	0.97%
UPR-200-E-89	C8706	B33B20	3.9	6.4	10/22/2015	non-Rad	Molybdenum	7439-98-7	ug/kg	6.98E+02	--	--	--	6.49E+06	1.08E-04	1.99%
UPR-200-E-89	C8706	B33B20	3.9	6.4	10/22/2015	non-Rad	Selenium	7782-49-2	ug/kg	7.93E+02	--	--	--	6.49E+06	1.22E-04	2.26%
UPR-200-E-89	C8706	B33B19	3.9	6.4	10/22/2015	non-Rad	Toluene	108-88-3	ug/kg	3.26E-01	--	--	--	3.87E+07	8.42E-09	0.00%

Table 19. Outdoor Worker Scenario Risk Estimates and Noncancer Hazards for the 200-IA-1 OU Representative Waste Sites

Site	Borehole	Sample Number	Top Depth (ft)	Bottom Depth (ft)	Sample Collection Date	Analyte Group	Analyte Name	CAS No.	Units	Max Concentration	Cancer Effects PRG	Cancer Risk Estimate	Percent Contribution	Noncancer Effects PRG	Noncancer Hazard Quotient	Percent Contribution
Total Non-Radiological Risk Estimate and Hazard Index Estimate												2.82E-08			5.42E-03	
UPR-200-E-89	C8706	B33B20	3.9	6.4	10/22/2015	Rad	Strontium-90	10098-97-2	pCi/g	1.71E+00	1.19E+03	1.44E-07	100.00%			
Total Radiological Risk Estimate												1.44E-07				
Total Non-Radiological and Radiological Risk Estimate												1.72E-07				
UPR-200-E-89	C8706	B33B28	5.9	8.4	10/22/2015	non-Rad	Acetone	67-64-1	ug/kg	2.44E+00	--	--	--	7.47E+08	3.27E-09	0.00%
UPR-200-E-89	C8706	B33B29	5.9	8.4	10/22/2015	non-Rad	Antimony	7440-36-0	ug/kg	1.14E+03	--	--	--	5.19E+05	2.20E-03	89.17%
UPR-200-E-89	C8706	B33B29	5.9	8.4	10/22/2015	non-Rad	Molybdenum	7439-98-7	ug/kg	1.73E+03	--	--	--	6.49E+06	2.67E-04	10.83%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			2.46E-03	
Total Non-Radiological and Radiological Risk Estimate												0.00E+00				
UPR-200-E-89	C8707	B320N7	0	2.5	7/21/2015	non-Rad	Nitrate	14797-55-8	ug/kg	9.87E+04	--	--	--	2.08E+09	4.75E-05	100.00%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			4.75E-05	
UPR-200-E-89	C8707	B320N6	0	2.5	7/21/2015	Rad	Uranium-233/234	U-233/234	pCi/g	1.40E+00	2.20E+03	6.36E-08	100.00%			
Total Radiological Risk Estimate												6.36E-08				
Total Non-Radiological and Radiological Risk Estimate												6.36E-08				
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	non-Rad	Antimony	7440-36-0	ug/kg	2.97E+03	--	--	--	5.19E+05	5.72E-03	13.15%
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	non-Rad	Barium	7440-39-3	ug/kg	1.39E+05	--	--	--	2.59E+08	5.36E-04	1.23%
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	non-Rad	Copper	7440-50-8	ug/kg	2.50E+04	--	--	--	5.19E+07	4.82E-04	1.11%
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	non-Rad	Iron	7439-89-6	ug/kg	3.30E+07	--	--	--	9.08E+08	3.63E-02	83.50%
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	non-Rad	Molybdenum	7439-98-7	ug/kg	2.34E+03	--	--	--	6.49E+06	3.61E-04	0.83%
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	non-Rad	Silver	7440-22-4	ug/kg	2.12E+02	--	--	--	6.49E+06	3.27E-05	0.08%
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	non-Rad	Strontium	7440-24-6	ug/kg	3.52E+04	--	--	--	7.79E+08	4.52E-05	0.10%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			4.35E-02	
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	Rad	Uranium-238	U-238	pCi/g	2.14E+00	1.70E+02	1.26E-06	100.00%			
Total Radiological Risk Estimate												1.26E-06				
Total Non-Radiological and Radiological Risk Estimate												1.26E-06				
UPR-200-E-89	C8711	B320W8	10	13	7/16/2015	non-Rad	Antimony	7440-36-0	ug/kg	1.28E+03	--	--	--	5.19E+05	2.47E-03	94.92%
UPR-200-E-89	C8711	B320W3	10	13	7/16/2015	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	1.07E+03	1.82E+05	5.87E-09	100.00%	1.82E+07	5.87E-05	2.26%
UPR-200-E-89	C8711	B320W3	10	13	7/16/2015	non-Rad	Strontium	7440-24-6	ug/kg	5.71E+04	--	--	--	7.79E+08	7.33E-05	2.82%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												5.87E-09			2.60E-03	
Total Non-Radiological and Radiological Risk Estimate												5.87E-09				
UPR-200-E-89	C9549	B33122	7.2	9.7	10/6/2015	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	2.15E+02	1.82E+05	1.18E-09	100.00%	1.82E+07	1.18E-05	1.65%

Table 19. Outdoor Worker Scenario Risk Estimates and Noncancer Hazards for the 200-IA-1 OU Representative Waste Sites

Site	Borehole	Sample Number	Top Depth (ft)	Bottom Depth (ft)	Sample Collection Date	Analyte Group	Analyte Name	CAS No.	Units	Max Concentration	Cancer Effects PRG	Cancer Risk Estimate	Percent Contribution	Noncancer Effects PRG	Noncancer Hazard Quotient	Percent Contribution
UPR-200-E-89	C9549	B33122	7.2	9.7	10/6/2015	non-Rad	Cyanide	57-12-5	ug/kg	1.26E+02	--	--	--	1.80E+05	7.02E-04	98.35%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												1.18E-09			7.13E-04	
UPR-200-E-89	C9549	B33122	7.2	9.7	10/6/2015	Rad	Uranium-233/234	U-233/234	pCi/g	1.22E+00	2.20E+03	5.54E-08	100.00%			
Total Radiological Risk Estimate												5.54E-08				
Total Non-Radiological and Radiological Risk Estimate												5.66E-08				
UPR-200-E-89	C9550	B320W0	8.2	10.7	10/1/2015	non-Rad	Antimony	7440-36-0	ug/kg	1.65E+03	--	--	--	5.19E+05	3.18E-03	89.27%
UPR-200-E-89	C9550	B320W0	8.2	10.7	10/1/2015	non-Rad	Molybdenum	7439-98-7	ug/kg	2.21E+03	--	--	--	6.49E+06	3.41E-04	9.57%
UPR-200-E-89	C9550	B320W0	8.2	10.7	10/1/2015	non-Rad	Silver	7440-22-4	ug/kg	2.68E+02	--	--	--	6.49E+06	4.13E-05	1.16%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												0.00E+00			3.56E-03	
Total Non-Radiological and Radiological Risk Estimate												0.00E+00				
UPR-200-W-99	299-W14-15	B0YVY7	5	10	8/22/2000	non-Rad	2-Butanone	78-93-3	ug/kg	1.00E+00	--	--	--	2.21E+08	4.52E-09	0.12%
UPR-200-W-99	299-W14-15	B0YVY7	5	10	8/22/2000	non-Rad	Acetone	67-64-1	ug/kg	6.00E+00	--	--	--	7.47E+08	8.03E-09	0.22%
UPR-200-W-99	299-W14-15	B0YVY7	5	10	8/22/2000	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	2.00E+01	1.82E+05	1.10E-10	93.23%	1.82E+07	1.10E-06	29.89%
UPR-200-W-99	299-W14-15	B0YVY7	5	10	8/22/2000	non-Rad	Methylene chloride	75-09-2	ug/kg	9.00E+00	1.13E+06	7.96E-12	6.77%	3.52E+06	2.56E-06	69.77%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												1.18E-10			3.67E-06	
UPR-200-W-99	299-W14-15	B0YVY7	5	10	8/22/2000	Rad	Plutonium-239/240	PU-239/240	pCi/g	3.10E-02	2.97E+03	1.04E-09	100.00%			
Total Radiological Risk Estimate												1.04E-09				
Total Non-Radiological and Radiological Risk Estimate												1.16E-09				
UPR-200-W-99	299-W14-15	B0YVY5	5	5	8/22/2000	Rad	Cesium-137	10045-97-3	pCi/g	2.79E+00	1.08E+01	2.59E-05	99.86%			
UPR-200-W-99	299-W14-15	B0YVY5	5	5	8/22/2000	Rad	Strontium-90	10098-97-2	pCi/g	4.30E-01	1.19E+03	3.62E-08	0.14%			
Total Radiological Risk Estimate												2.59E-05				
Total Non-Radiological and Radiological Risk Estimate												2.59E-05				
UPR-200-W-99	299-W14-15	B0YVY6	6	10	8/22/2000	Rad	Cesium-137	10045-97-3	pCi/g	3.11E+00	1.08E+01	2.88E-05	97.94%			
UPR-200-W-99	299-W14-15	B0YVY6	6	10	8/22/2000	Rad	Strontium-90	10098-97-2	pCi/g	7.22E+00	1.19E+03	6.06E-07	2.06%			
Total Radiological Risk Estimate												2.94E-05				
Total Non-Radiological and Radiological Risk Estimate												2.94E-05				
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	non-Rad	2-Chlorophenol	95-57-8	ug/kg	2.30E+01	--	--	--	6.49E+06	3.54E-06	1.11%
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	non-Rad	4-Chloro-3-methylphenol	59-50-7	ug/kg	2.20E+01	--	--	--	9.12E+07	2.41E-07	0.08%
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	7.90E+02	1.82E+05	4.33E-09	2.74%	1.82E+07	4.33E-05	13.62%

Table 19. Outdoor Worker Scenario Risk Estimates and Noncancer Hazards for the 200-IA-1 OU Representative Waste Sites

Site	Borehole	Sample Number	Top Depth (ft)	Bottom Depth (ft)	Sample Collection Date	Analyte Group	Analyte Name	CAS No.	Units	Max Concentration	Cancer Effects PRG	Cancer Risk Estimate	Percent Contribution	Noncancer Effects PRG	Noncancer Hazard Quotient	Percent Contribution
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	non-Rad	Hexavalent Chromium	18540-29-9	ug/kg	7.40E+02	7.26E+03	1.02E-07	64.35%	3.89E+06	1.90E-04	59.78%
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	non-Rad	Methylene chloride	75-09-2	ug/kg	1.20E+01	1.13E+06	1.06E-11	0.01%	3.52E+06	3.41E-06	1.07%
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	non-Rad	Molybdenum	7439-98-7	ug/kg	4.80E+02	--	--	--	6.49E+06	7.40E-05	23.26%
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	non-Rad	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	1.90E+01	3.65E+02	5.21E-08	32.90%			
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	non-Rad	Phenol	108-95-2	ug/kg	4.00E+01	--	--	--	9.04E+07	4.42E-07	0.14%
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	non-Rad	Pyrene	129-00-0	ug/kg	2.00E+01	--	--	--	2.51E+07	7.96E-07	0.25%
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	non-Rad	Tin	7440-31-5	ug/kg	1.70E+03	--	--	--	7.79E+08	2.18E-06	0.69%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												1.58E-07			3.18E-04	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	Rad	Carbon-14	14762-75-5	pCi/g	3.27E+00	5.70E+05	5.74E-10	100.00%			
Total Radiological Risk Estimate												5.74E-10				
Total Non-Radiological and Radiological Risk Estimate												1.59E-07				

UPR-200-W-99	299-W14-20	B20KP2	0	10	5/12/2009	non-Rad	Aroclor-1260	11096-82-5	ug/kg	1.10E+02	1.10E+03	9.99E-08	98.81%	--	--	--
UPR-200-W-99	299-W14-20	B20KP2	0	10	5/12/2009	non-Rad	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	2.20E+02	1.82E+05	1.21E-09	1.19%	1.82E+07	1.21E-05	100.00%
Total Non-Radiological Risk Estimate and Hazard Index Estimate												1.01E-07			1.21E-05	
UPR-200-W-99	299-W14-20	B20KP2	0	10	5/12/2009	Rad	Americium-241	14596-10-2	pCi/g	4.62E-02	6.13E+02	7.54E-09	100.00%			
Total Radiological Risk Estimate												7.54E-09				
Total Non-Radiological and Radiological Risk Estimate												1.09E-07				

Table 20. Summary of Outdoor Worker Cancer Risks and Noncancer Hazards for Each Representative Waste Site

Representative Waste Site	Location Name	Sample Number	Depth Top (ft)	Depth Bottom (ft)	Radiological COPCs	Nonradiological COPCs	
					ELCR	ELCR	HI
200-E-115	--	--	--	--	$<1 \times 10^{-4}$	$<1 \times 10^{-5}$	<1
200-W-53	--	--	--	--	$<1 \times 10^{-4}$	$<1 \times 10^{-5}$	<1
200-W-54	--	--	--	--	$<1 \times 10^{-4}$	$<1 \times 10^{-5}$	<1
207-A-South	--	--	--	--	$<1 \times 10^{-4}$	$<1 \times 10^{-5}$	<1
207-T	--	--	--	--	$<1 \times 10^{-4}$	$<1 \times 10^{-5}$	<1
216-A-34	--	--	--	--	$<1 \times 10^{-4}$	$<1 \times 10^{-5}$	<1
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	3×10^{-2}, (Cesium-137, 100%)	$<1 \times 10^{-5}$	<1
UPR-200-E-89	--	--	--	--	1×10^{-4}	$<1 \times 10^{-5}$	<1
UPR-200-W-99	--	--	--	--	$<1 \times 10^{-4}$	$<1 \times 10^{-5}$	<1

Footnotes

COPCs = Contaminants of Potential Concern

ELCR = Exccess Lifetime Cancer Risk

HI = Hazard Indices

-- means location name, sample number and depth information are not provided as the ELCRs and HIs are less than their corresponding threshold values.

Table 21. Comparison of Sample Results and MTCA Method A Cleanup Levels for Lead and Total Petroleum Hydrocarbon Compounds

Representative Waste Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Analyte	Unit	Measured Concentration	MTCA Method A CULs	Is Measured Concentration>MTCA Method A CUL?
200-E-115	C7682	B26C47	5	7	Lead	mg/kg	11	1,000	No
200-E-115	C7682	B26JL1	0	1	Total petroleum hydrocarbons - diesel range	mg/kg	12	2,000	No
216-A-34	C3245	B16RX6	14.5	17	Total petroleum hydrocarbons - diesel range	mg/kg	230	2,000	No
216-A-34	C3245	B16RX7	17.5	20	Total petroleum hydrocarbons - diesel range	mg/kg	300	2,000	No
216-A-34	C3245	B16RX8	22.5	25	Total petroleum hydrocarbons - diesel range	mg/kg	8	2,000	No
UPR-200-E-89	C8706	B33B29	5.9	8.4	Total petroleum hydrocarbons - diesel range	mg/kg	2.6	2,000	No
UPR-200-W-99	299-W14-19	B15VT5	0	5	Total petroleum hydrocarbons	mg/kg	24.2	2,000	No
UPR-200-W-99	299-W14-19	B15VT4	0	30	Total petroleum hydrocarbons	mg/kg	18.8	2,000	No

Footnotes

MTCA = Model Toxic Control Act

CUL = Cleanup Level