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Revision 0

200-IA-1 Operable Unit Ecological Risk 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;
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ENVIRONMENTAL CALCULATION COVER PAGE

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ENVIRONMENTAL CALCULATION COVER PAGE (Continued)

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Terms

bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COPEC	Contaminants of Potential Ecological Concern
CSM	conceptual site model
DOE	U.S. Department of Energy
DQOs	Data Quality Objectives
ECF	Environmental Calculation File
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
FFS	Focused Feasibility Study
HEIS	Hanford Environmental Information Systems
HQ	Hazard Quotient
LOAEL	Lowest-Observed-Adverse-Effect-Level
MTCA	Model Toxics Control Act
NOAEL	No-Observed-Adverse-Effect-Level
OU	Operable Unit
PRG	Preliminary Remediation Goals
QC	Quality Control
RASCAL	Representative Analogous Site Coordinating Agency Liaison
RI	Remedial Investigation
ROD	Record of Decision
SLERA	Screening Level Ecological Risk Assessment
SMDP	Scientific Management Decision Point
SOF	Sum of Fractions
SSL	Soil Screening Level
TRV	Toxicity Reference Value
WAC	Washington Administrative Code

1 Purpose

The purpose of this environmental calculation file (ECF) is to document the assumptions, inputs, methodology, equations, and results of a screening level ecological risk assessment (SLERA) for nine representative waste sites within the newly formed 200 IA-1 Operable Unit (OU). The SLERA was conducted to evaluate ecological receptor exposure and potential risk using soil data for radionuclides and non-radionuclides occurring within the shallow vadose zone (0 – 15 ft.) soil of the OU. The representative Hanford ecological receptors evaluated are: plants, soil invertebrates, California quail (*Callipepla californica)*, Meadowlark (*Sturnella neglecta)*, Killdeer (*Charadrius vociferus)*, Red-tailed hawk (*Buteo jamaicensis)*, Great Basin pocket mouse (*Perognathus parvus*), Deer mouse (*Peromyscus maniculatus*), Grasshopper mouse (*Onychomys leucogaster*), and badger (*Taxidea taxus*).

During the SLERA, detected soil sample results from the shallow vadose zone were used to calculate Hazard Quotients (HQs) for non-radionuclides and Sum of Fractions (SOF) for radionuclides. The results of this SLERA support the preparation of DOE/RL-2020-51, *200-IA-1 Operable Unit Focused Feasibility Study*.

2 Background

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 Operable Units (OU) 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 (Appendix A) to support conduct of the SLERA. These

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.

3 Methodology

The SLERA approach followed EPA CERCLA ecological risk assessment guidance (EPA 540-R-97-006 *Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments*) and the terrestrial ecological evaluation procedures developed by Ecology (Model Toxics Control Act, Chapter 170-340, WAC), and DOE/RL-2019-46 *Central Plateau Inner Area Cleanup Principles and Parameters*. The process includes data evaluation and reduction, identification of contaminants of potential concern for evaluation in the SLERA, compilation of ecological effects data, and quantifying potential risk to ecological receptors.

3.1 Existing Data Review

The purpose of the existing data review is to determine whether the data used to perform the SLERA are of 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 through evaluation of each 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 collected per location
- Temporal representativeness by review of the date samples were collected
- Sensitivity of the analytical method by review of the method detection limit to determine if it is adequate for confirming the absence of an analyte

Appendix A discusses, in greater detail, steps undertaken during the existing data review for the nine representative sites within the 200 IA-1 OU shallow vadose zone used during the SLERA.

3.2 Data Evaluation

The methodology used to process and reduce the representative waste site dataset and to identify soil analytes for evaluation in the SLERA include:

1. Obtain the 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
5. Process the data set to remove sample results obtained from non-standard methods
6. Process the data set to remove non-detected sample results
7. Process the data set to remove results associated with redundant analytical methods

8. Process parent and duplicate results to a single set of results per location and depth interval
9. Process the data set to remove results meeting exclusion criteria

3.3 Analytical Data Processing and Reduction

Analytical data processing and data reduction steps are completed as follows:

- Identify laboratory and data qualification and data validation flags
- Identify non-detected analytes
- Identify results reported by more than one analytical method
- Identify parent and field duplicate samples

The 200 IA-1 OU data processing, data reduction steps, and the number of records associated with each step are presented in Figure 1. As shown, these data processing and reduction steps result in the final dataset used to conduct the SLERA.

3.3.1 Laboratory and Data Validation Flags

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 in SLERA sample selection.

- 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 and are removed from the dataset.
- All sample results without a "U" qualifier are considered detected concentrations, including results without a qualifier or with an "E" or a "J" qualifier.
- Samples that are rejected and flagged with an "R" validation qualifier are removed from the dataset.

Where:

U	=	Analyzed for but not detected above limiting criteria.
J	=	Estimated value.
E	=	Reported value is estimated because of interference (inorganics).
R	=	Do not use. Further review indicates the result is not valid.
B	=	Estimated inorganics.

3.3.2 Identify Non-detected Analytes

Analytes that have been collected from appropriate locations, have adequate detection limits, and have not been detected in any of the samples from 200-IA-1 OU are eliminated from further consideration. An analyte that is detected at least once in the 200-IA-1 OU is carried forward through the screening risk assessment process.

3.3.3 Analytes Reported by Numerous Analytical Methods

A sample is often analyzed for an analyte using more than one analytical method, resulting in multiple results for the analyte from the sample location and sample date. 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.

Analytical methods used for 200 IA-1 representative waste site data were reviewed to assess, on an expedited basis, the usability and representativeness of the analytical methods generating data for use in quantifying risk in the SLERA. Where analytical methods used were not considered adequate to support risk quantitation, the associated data were removed from the screening risk assessment dataset. More detail on this is provided in Appendix A.

3.3.4 Field Duplicate Results

Field quality control samples (field duplicates) are collected in the field and analyzed by the laboratory as unique samples. The parent sample and field quality control samples are collected from the same location (i.e., sample node) and 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 reported for the same location 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 are reported, the maximum concentration is used
- If one detection and one or more non-detections are reported, the detected concentration is used
- If two or more non-detections are reported, the lowest detection limit is used

3.4 Analyte Identification

After extracting and processing the dataset, the data is further reduced to identify a subset of radiological and non-radiological analytes for evaluation in the SLERA. Detected analytes are compared to the lognormal 90th percentile Hanford site background levels and those analytes that are detected at concentrations above background levels are carried forward for further evaluation. Analytes detected below the lognormal 90th percentile Hanford site background levels are not carried forward in the SLERA.

3.4.1 Apply Exclusion Criteria

Analytes that meet exclusion criteria are eliminated from further consideration in the SLERA, while analytes that do not meet the exclusion criteria are carried forward. Exclusion criteria steps are as follows:

- Exclude analytes that have detections in any sample below 15 ft bgs
- Exclude analytes with concentrations below the Hanford Site 90th percentile background concentration
- Exclude the following background radionuclides not directly related to Hanford operations or processes: thorium-232, thorium-228, radium-226 and radium-228
- Exclude the essential nutrients calcium, magnesium, sodium, and potassium

- Exclude radionuclides with half-lives less than 3 years and that are not significant daughter products: Bismuth-212, Bismuth-214, Antimony-125, and Cesium-134
- Soil measurements such as percent moisture, alkalinity, pH, specific conductance, percent solids, and bulk density
- Analytes without Hanford ecological toxicity benchmarks

A final 200-IA-1 data set was developed following analytical data processing and the application of exclusion criteria as outlined in Figure 1.

3.4.2 Modification of Radiological Sample Results

One modification was made to the radiological sample results and the change is summarized below:

- Radioactive Decay. Analytical data are available for soil samples 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).

3.4.3 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.

3.5 Ecological Effects Data

The effects data used in the SLERA are represented by single toxicity data for radionuclides and non-radionuclides. Effects levels are used either directly (for plants and invertebrates) or within exposure dose models for wildlife to establish risk-based concentrations in exposure media (e.g., soil). Hanford Site radionuclide and non-radionuclide risk-based soil concentrations were reviewed to identify the lowest value for each Hanford ecological receptor from among the following: generic soil screening levels summarized in Table 6-1 of CHPRC-00784 (note: generic radionuclide Biota Concentration Guide, BCG, values were only considered for plants), Tier 1 wildlife receptor Soil Screening Level (SSL) values for radionuclides and non-radionuclides, Tier 2 wildlife risk-based concentrations, and Tier 2 nonradionuclide Preliminary Remediation Goals (PRGs) for plants and invertebrates[1]. Where no effect and low effect levels were available, the lower value, most frequently a no observed effect level, was selected. For analytes with Hanford background values, when the lowest risk-based value (radiological, non-radiological) for a receptor was below the Hanford 90th percentile background, then the background value was used to screen sample specific measured soil concentrations consistent with the Principles and Parameters (DOE/RL-2019-46).

[1]DOE-STD-1153-2019, 2019, *DOE Standard: A Graded Approach for Evaluating Radiation Doses to Aquatic and Terrestrial Biota*; CHPRC-00784, 2014, *Tier 1 Risk-Based Soil Concentrations Protective of Ecological Receptors at the Hanford Site*; CHPRC-01311, 2014, *Tier 2 Risk-Based Soil Concentrations Protective of Ecological Receptors at the Hanford Site;* ECF-HANFORD-11-0158, 2014, *Tier 2 Terrestrial Plant and Invertebrate Preliminary Remediation Goals (PRGs) for Nonradionuclides for Use at the Hanford Site*

3.6 Quantifying Screening Level Ecological Risk

The SLERA involves the calculation of a Hazard Quotient (HQ), which represents an index of risk posed to ecological receptors. The HQ is computed by dividing the sample specific measured soil concentration by the ecological receptor-specific soil screening value. The HQ is quantified using the following equation:

$$HQ = \frac{Sample\ Specific\ Measured\ Soil\ Concentration}{Lowest\ Receptor\ Specific\ Risk - Based\ Soil\ Concentation}$$

Where:

Sample Specific Measured Soil Concentration = Reported in µg/kg (non-radionuclides) or pCi/g (radionuclides), and

Lowest Receptor-Specific Risk Based Soil Concentration = Reported in µg/kg (non-radionuclides) or pCi/g (radionuclides)

In the SLERA, when an HQ value is less than a value of one, the sample specific soil concentration is below the lowest selected ecological receptor soil screening level and the constituent is deemed to pose a negligible risk and not retained for further evaluation. Conversely, HQ values that are greater than a value of one indicate a potential for ecological risk and the constituent is identified as a contaminant of potential ecological concern (COPEC) for further evaluation of site and receptor factors in a Scientific Management Decision Point (SMDP). For radionuclides, in addition to the calculation of an HQ, a Sum of Fractions (SOF) is calculated for each sample to determine the cumulative risk of all radiological contaminants. The SOF is computed by summing the HQs for all radionuclides detected in each soil sample. Similarly, if the radionuclide SOF is greater than a value of one then a potential risk to an ecological receptor(s) is indicated and an evaluation of additional site and receptor factors is then undertaken in an SMDP. The SMDP discussion is presented in the SLERA that is within the 200-IA-1 OU Focused Feasibility Study (FFS).

4 Assumptions and Inputs

The following section documents the assumptions and inputs used to quantitate risk in the SLERA at 200 IA-1 representative sites.

4.1 Analytical Data Assumptions

COPECs are identified in the SLERA for analytes suspected of being associated with site-related activities and that may represent a potential for exposure and risk to ecological receptors. The evaluation of COPECs in a quantitative risk assessment (e.g., screening level, baseline) is typically based on data of known quality collected for site characterization purposes. However, given the overall expedited RASCAL evaluation process undertaken for 200 IA-1, sample data at representative sites within the 200-IA-1 OU were not collected in advance based on site characterization objectives (i.e., quality data that supports statistical evaluation to quantify receptor exposure). Rather, data at representative sites evaluated in the SLERA was collected on or “near” the representative site for limited characterization or for other purposes. The usable data were represented by soil borings and the identification of COPECs in the SLERA was accomplished by evaluating analytes on a sample depth interval basis (sample by sample).

Appendix A provides additional detail on the usability and representativeness of the 200-IA-1 soil data used in the SLERA.

4.2 Hanford Soil Background Values

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 2 summarizes Hanford Site soil background values for radionuclides, metals, and anions. Background values are used as one of several exclusion criteria in data reduction to identify the final list of analytes (final dataset) evaluated in the SLERA.

4.3 Ecological Receptors

Hanford site representative ecological receptors were evaluated for exposure and risk potential in the SLERA. These receptors represent various levels within the Hanford Site food web and also various trophic guilds for higher order receptors (i.e., birds, mammals). Receptors evaluated in the SLERA are: plants, soil invertebrates, California quail, Meadowlark, Killdeer, Red-tailed Hawk, Great Basin pocket mouse, Deer mouse, Grasshopper mouse, and the badger. It should be noted that soil invertebrates were evaluated for non-radiological sample analytes only because ecological risk-based radiological screening values are only available for vertebrate animals.

4.4 Non-Radiological Soil Screening Values

The SLERA uses non-radiological risk-based soil concentration values for wildlife as developed in the most recent versions of the Tier 1 ecological SSLs (CHPRC-00784) and the Tier 2 wildlife risk-based concentration values (CHPRC-01311). For non-radiological contaminants, the soil screening values selected for terrestrial plants and invertebrates are represented by the lower of the risk-based soil concentrations presented in CHPRC-00784, Table 6-1 (generic soil screening levels) and the Tier 2 plant/invertebrate PRGs (ECF-HANFORD-11-0158).

For some receptors (plants, invertebrates) and analytes, the lowest risk-based screening value was below Hanford background. In these instances, the Hanford background concentration was used to screen data for that analyte and receptor, consistent with the Principles and Parameters (DOE/RL-2019-46). For instance, the 90th percentile Hanford Background level was used for chromium (total) as the screening level for plants and soil invertebrates because their risk-based screening levels were below background. Analyte specific considerations for selecting screening levels follow.

A total chromium screening level was not available and therefore the Cr(III) value was used as a surrogate.

The analytes nitrite, nitrate, and nitrogen in nitrate and nitrite are based on the same ecological screening level as for Nitrate/Nitrite.

Ammonia and ammonium ion are based on the same ecological screening level as for Ammonia/Ammonium.

The risk-based value for total petroleum hydrocarbons-diesel is used as a conservative ecological screening level value for total petroleum hydrocarbons (TPH).

In the case of mercury, it was assumed that only inorganic mercury is present in aerated soils of the Central Plateau (i.e., not methyl mercury) and accordingly the available receptor inorganic mercury screening values were used in the SLERA.

The receptor-specific non-radionuclide risk-based soil screening levels used in the SLERA are presented in Table 3.

4.5 Radiological Soil Screening Values

Tier 1 SSLs (CHPRC-00784) were used as radiological screening levels in the SLERA to screen for radiological risk in wildlife. Generic BCGs were used to evaluate risk to plant communities in the SLERA. Tier 1 SSLs and plant risk-based screening values for radiological contaminants utilized during the SLERA are presented in Table 4.

5 Software Applications

Software used for this analysis includes the HEIS database, Microsoft Access® database software and Microsoft Excel®[2]. The HEIS database is a central repository for storing and maintaining access to environmental data for the Hanford Site. Microsoft Access was used to query and sort the data downloaded from HEIS. All calculations for this environmental calculation were performed on electronic spreadsheets using Microsoft Excel®.

6 Calculation

Ecological risk was calculated using the methodology described in Section 3 and the inputs and assumptions described in Section 4. The results of each step of the SLERA process are presented in Section 7.0.

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.

A review of the 200-IA-1 OU dataset was undertaken to ensure the correct samples per representative waste site were included in the SLERA by comparing HEIS data to raw data verifying that representative waste site, analytes, sample number, standard value, units, and lab qualifier matched.

Input parameters such as Hanford Site Lognormal 90th Percentile Background Levels and ecological screening level values for radionuclides and non-radionuclides were confirmed. An independent check of the SLERA risk calculations of HQs and SOFS was conducted.

The independent check of the dataset, review of input parameters, and verification of calculations did not identify any errors associated with the ecological specific HQs and SOFs for any representative waste site. Hand calculations used to verify SLERA results are presented in Appendix B.

[2] Access and Excel are trademarks of Microsoft Corporation, Redmond, Washington.

7 Results/Conclusions

This section documents the final 200-IA-1 dataset resulting from the data processing and reduction steps completed (Figure 1) and the receptor screening level risk estimates calculated at each representative waste site.

7.1 Identify Final Dataset

A total of 7,619 records and 522 analytes were reported for the 200-IA-1 OU. Following the data processing and reduction steps described in Section 3 and outlined in Figure 1, the final dataset for the 200-IA-1 OU was comprised of 192 records (115 for non-radionuclides and 77 for radionuclides) that includes 46 analytes.

7.1.1 Non detected analytes

Analytes that were not detected in any of the samples from the 200-IA-1 OU were eliminated from further consideration. A total of 4,705 records for 325 analytes were not detected in any of the 200-IA-1 OU soil samples and were eliminated from further consideration. Table 5 summarizes the non-detected analytes across the OU that were eliminated from the final dataset and Table 6 lists the analytes excluded by sample. Both tables provide sampling dates, total number of samples, and minimum and maximum method detection limits or activities of the non-detected samples.

7.1.2 Apply Exclusion Criteria

Table 7 lists the 128 analytes for the 200-IA-1 OU that meet the exclusion criteria and are excluded from the final dataset. Analyte class, sampling dates, number of results, number of detects, minimum and maximum detected concentrations, and the basis for exclusion from the dataset are identified.

7.1.2.1 Essential Nutrients

Essential nutrients are those analytes considered essential for plant or animal nutrition. Four essential nutrients (calcium, magnesium, potassium, and sodium) were detected in soil samples taken in the 200-IA-1 OU representative waste sites and are eliminated from the final dataset (Table 7).

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. Three background radionuclides (thorium-228, thorium-230, and thorium-232) were detected in the samples taken from the 200-IA-1 OU representative waste sites and are eliminated from the final dataset (Table 7).

7.1.2.3 Radionuclides with Half-Lives of Less than Three Years

Radionuclides that have half-lives of less than 3 years and that are not significant daughter products are eliminated from further consideration (Table 7). Eight radionuclides with half-lives less than three years were excluded from the 200-IA-1 OU final dataset and include:

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

7.1.2.4 Analytes without Available Hanford Toxicity Values

Analytes that were detected but are without known toxicity (screening) values are eliminated from the final dataset (Table 7). One hundred and thirteen analytes from the 200-IA-1 OU were excluded because they are without known toxicity values. These analytes include: seven anions, nine general chemistry parameters, ten metals, 66 PCBs, two radionuclides, eight semi-volatile organic compounds (SVOCs), eight volatile organic compounds (VOCs), two herbicides and one inorganic compound.

7.1.3 Comparison to Hanford Background

Six hundred and twenty-one analytes were compared to their associated Hanford Site Lognormal 90th Percentile Background Value. Of the 621 comparisons, 422 were excluded and were not included in the final dataset. The remaining 188 samples (46 total analytes) were greater than background levels and were retained for evaluation in the SLERA (Table 8).

7.1.4 Final Dataset.

The final dataset used for conducting the SLERA for the 200-IA-1 OU was comprised of 192 records (115 for non-radionuclides and 77 for radionuclides) and includes 46 analytes (Table 9).

7.2 SLERA Results for Non-Radionuclides

For the 200 IA-1 OU, ecological risk was evaluated for 32 non-radiological analytes. A total of 33 samples had HQ exceedances based on screening level values for various ecological receptors (Table 10).

7.2.1 Plants

For plants, a total of 19 HQ exceedances greater than a value of one were identified. These HQ values ranged from 1.1 to 47 (Table 10). Plant exceedances identified for ammonia/ammonium, boron, chromium (total), nitrate/nitrite, selenium and vanadium are based on use of the 90th percentile Hanford background value.

Representative waste site 216-A-34. This waste site had six total exceedances. The largest was a HQ = 47 for nitrate (sample C3245; sample number B16RX6; soil depth 14.5 to 17 ft bgs) in addition to the following additional exceedance: an HQ = 1.1 for vanadium, HQ = 26 for uranium; HQ=1.2 for total petroleum hydrocarbons – diesel range; and HQ=10 for boron. Nitrogen in nitrite and nitrate had a HQ = 10 (location C3245; sample number B16RW5; soil depth 14.5-17 ft).

Representative waste site UPR-200-E-89. This waste site had a total of four HQ exceedances. Molybdenum had a HQ = 1.1 (location C9550, sample number B320W0; soil depth 8.2 to 11 ft bgs) and a HQ exceedance of 1.2 (location C8707; sample number B320P2, soil depth 5-7 ft bgs). Nitrate had a HQ = 1.9 (location C8707; sample number B320N7; soil depth 0-3 ft bgs).

Representative waste site UPR-200-E-64. This waste site had one exceedance for mercury (inorganic) with a HQ = 1.7 (location C5942; sample number B1TFP0, soil depth 12.5-15 ft bgs).

Representative waste site 200-W-54. This waste site had one exceedance for ammonia with a HQ = 2 (location 299-W22-84; sample number B139C3; soil depth 0-6 ft bgs).

Representative waste site 200-E-115. This waste site had a total of eight exceedances. Three of the exceedances occurred at location C7682, sample number B26JL1; soil depth 0-1 ft bgs for ammonia ion (HQ = 2.5), selenium (HQ = 1.3), and nitrate (HQ = 1.1). Selenium had a HQ = 1.3 (location C7682; sample number B26C53; soil depth 14-16 ft), HQ = 1.3 (location C7682; sample number B26C51; soil depth 12-14 ft bgs), HQ = 1.3 (location C7682; sample number B26C47; soil depth 5-7 ft bgs), and HQ =

1.2 (location C7680; sample number B26C28; soil depth 14-16 ft bgs). Chromium (total) had a HQ = 1.4 (location C7680, sample number B26C30; soil depth 14-16 ft bgs).

Further discussion of the significance of the identified receptor HQ exceedances is presented in the SLERA SMDP within the FFS.

7.2.2 Soil Invertebrates

Soil invertebrates had 11 HQ exceedances greater than one. The largest exceedance was for nitrate (HQ = 47) at 216-A-34 representative waste site, sample B26C30 and the lowest HQ = 1.1 for nitrate at 200-E-115 (Table 10). Invertebrate exceedances identified for chromium (total), ammonia/ammonium and nitrate/nitrite are based on use of the 90th percentile Hanford background value.

Representative waste site 216-A-34. The site had five total exceedances. The largest was HQ = 47 for nitrate (sample C3245; sample number B16RX6; soil depth 14.5 to 17 ft bgs) in addition to a HQ = 1.3 for uranium; HQ=1.2 for total petroleum hydrocarbons – diesel range; and HQ=1.3 for boron which is based on Hanford site background levels as noted in Table 8. Nitrogen in nitrite and nitrate had a HQ = 10 (location C3245; sample number B16RW5; soil depth 14.5-17 ft).

Representative waste site UPR-200-E-89. The site had one HQ exceedances for nitrate with a HQ = 1.9 at location C8707; sample number B320N7; soil depth 0-3 ft bgs.

Representative waste site UPR-200-E-64. The site had one exceedance for mercury (inorganic) with a HQ = 5 (location C5942; sample number B1TFP0, soil depth 12.5-15 ft bgs).

Representative waste site 200-W-54. The site had one exceedance for ammonia with a HQ = 2.0 (location 299-W22-84; sample number B139C3; soil depth 0-6 ft bgs).

Representative waste site 200-E-115. The site had three exceedances. Two of the exceedances occurred at location C7682, sample number B26JL1; soil depth 0-1 ft bgs for ammonia ion (HQ = 2.5) and nitrate (HQ = 1.1). Chromium (total) had a HQ = 1. 4 (location C7680, sample number B26C30; soil depth 14-16 ft bgs).

Further discussion of the significance of the identified receptor HQ exceedances is presented in the SLERA SMDP within the FFS.

7.2.3 California Quail

California quail had a total of seven HQ exceedances with the largest HQ = 6.3 for bis(2-ethylhexyl) phthalate and the lowest HQ = 1.1 for vanadium (Table 10). Exceedances for California quail identified for vanadium are based on use of the 90th percentile Hanford background value.

Representative waste site 216-A-34. The site had three total exceedances. Bis(2-ethylhexyl) phthalate had a HQ = 3.9, a HQ = 2.4 for boron and HQ=1.1 for vanadium, which is based on Hanford site background as noted in Table 8 (location C3245; sample number B16RX6; soil depth 14.5 to 17 ft bgs).

Representative waste site UPR-200-E-89. The site had a total of two HQ exceedances for bis(2-ethylhexyl) phthalate with a HQ = 6.3 at location C8711; sample number B320W3; soil depth 10-13 ft bgs) and HQ = 1.3 (location C9549; sample number B33122; soil depth 7.2-10 ft bgs).

Representative waste site UPR-200-E-99. The site had a total of two HQ exceedances for bis(2-ethylhexyl) phthalate with a HQ = 4.6 at location 299-W14-99; sample number B15VT5; soil depth 0-5 ft bgs) and HQ = 1.3 (location 299-W-14-20; sample number B20KP2; soil depth 0-10 ft bgs).

Further discussion of the significance of the identified receptor HQ exceedances is presented in the SLERA SMDP within the FFS.

7.2.4 Meadowlark

The meadowlark had a total of five HQ exceedances greater than a value of one that ranged from HQ = 3.0 for bis(2-ethylhexyl) phthalate and lowest HQ = 1.1 for vanadium (Table 10). Meadowlark exceedances identified for vanadium are based on use of the 90th percentile Hanford background value.

Representative waste site site 216-A-34. The site had three total exceedances. Bis(2-ethylhexyl) phthalate had a HQ = 1.9, a HQ = 1.9 for boron and HQ=1.1 for vanadium which is based on Hanford site background (location C3245; sample number B16RX6; soil depth 14.5 to 17 ft bgs).

Representative waste site UPR-200-E-89. The site had one HQ exceedances for bis(2-ethylhexyl) phthalate with a HQ = 3.0 at location C8711; sample number B320W3; soil depth 10-13 ft bgs).

Representative waste site UPR-200-E-99. The site had one HQ exceedances for bis(2-ethylhexyl) phthalate with a HQ = 2.2 at location 299-W14-99; sample number B15VT5; soil depth 0-5 ft bgs).

Discussion of receptor HQ exceedances is presented in the SLERA SMDP within the FFS.

7.2.5 Killdeer

The Killdeer had a total of seven HQ exceedances with the largest HQ = 7.7 for bis(2-ethylhexyl) phthalate and the lowest HQ = 1.1 for vanadium (Table 10). Killdeer exceedances for copper and vanadium are based on use of the 90th percentile Hanford background value.

Representative waste site 216-A-34. The site had three total exceedances. Bis(2-ethylhexyl) phthalate had a HQ = 4.8, a HQ = 1.5 for boron and HQ=1.1 for vanadium which is based on Hanford site background (location C3245; sample number B16RX6; soil depth 14.5 to 17 ft bgs).

Representative waste site UPR-200-E-89. The sit**e** had a total of two HQ exceedances. Two for bis(2-ethylhexyl) phthalate with a HQ =7.7 at location C8711; sample number B320W3; soil depth 10-13 ft bgs) and HQ = 1.5 (location C9549; sample number B33122; soil depth 7.2-10 ft bgs).

Representative waste site UPR-200-E-99. The site had a total of two HQ exceedances for bis(2-ethylhexyl) phthalate with a HQ = 5.7 at location 299-W14-99; sample number B15VT5; soil depth 0-5 ft bgs) and HQ = 1.6 (location 299-W-14-20; sample number B20KP2; soil depth 0-10 ft bgs).

Further discussion of the significance of the receptor HQ exceedances is presented in the SLERA SMDP within the FFS.

7.2.6 Red-tailed hawk

Four HQ exceedances were calculated for the Red-tailed hawk (Table 10).

Representative waste site 216-A-34 Two (2) exceedances occurred at the location C3245 (sample B16RX6; soil depth 14.5-17 ft bgs for bis(2-ethylhexyl) phthalate (HQ = 2.1) and uranium (HQ = 1.6).

Representative waste site UPR-200-E-89. The site had one exceedance for bis(2-ethylhexyl) phthalate with a HQ = 3.5 (location C8711; sample number B320W3; soil depth 10-13 ft bgs).

Representative waste site UPR-200-W-99. The site had one exceedance for bis(2-ethylhexyl) phthalate with a HQ = 2.5 (location 299-W14-99; sample number B15VT5; soil depth 0-5 ft bgs).

Further discussion of the significance of the receptor HQ exceedances is presented in the SLERA SMDP within the FFS.

7.2.7 Great Basin Pocket mouse

For the Great basin pocket mouse, eight exceedances were reported that ranged from a high HQ = 4.0 for boron to low HQ = 1.2 for molybdenum (Table 10).

Representative waste site 216-A-34. The site had two exceedances were recorded for boron (HQ = 4.0) and uranium (HQ = 3.5) (location C3245; sample number B16RX6; soil depth 14.5-17 ft bgs).

Representative waste site UPR-200-E-89. The site had four exceedances. Molybdenum had HQ = 1.2 (location C8706; sample number B33B20; soil depth 3.9-6 ft bgs), HQ = 2.9 (location C8707; sample number B33B29; soil depth 5.9-8 ft bgs), HQ = 4.0 (location C8707; sample number B320P2; soil depth 5-7 ft bgs), and HQ = 3.7 (location C9550; sample number B320W0; soil depth 8.2-11 ft bgs).

Representative waste site 200-E-115. The site had two exceedances for molybdenum with a HQ = 3.4 (location C7682; sample number B26C51; soil depth 12-14 ft bgs) and HQ = 3.4 (location C7682; sample number B26C53; soil depth 14-16 ft bgs).

Further discussion of the significance of the receptor HQ exceedances is presented in the SLERA SMDP within the FFS.

7.2.8 Deer mouse

Deer mouse had 13 exceedances ranging from a high HQ = 19 for uranium to a low HQ = 1.2 for molybdenum (Table 10).

Representative waste site 200-E-115. This site had two HQ exceedances. Molybdenum had a HQ = 3.5 (location C7682; sample number B26C51; soil depth 12-14 ft bgs) and HQ = 3.5 (location C7682; sample number B26C53; soil depth 14-16 ft bgs).

Representative waste site 216-A-34. The site had two exceedances with a HQ = 3.2 for boron and HQ = 19 for uranium (location C3245; sample number B16RX6; soil depth 14.5-17 ft bgs).

Representative waste site UPR-200-E-89. The site had nine exceedances. Antimony had a HQ = 2.1 (location C8706, sample number B33B24; soil depth 3.9-6 ft bgs), HQ = 1.7 (location C8706; sample number B33B29; soil depth 5.9-8 ft bgs), HQ = 4.5 (location C8707; sample number B320P2; soil depth 5-7 ft bgs, HQ = 1.95 (location C8711; sample number B320W8; soil depth 10-13 ft bgs), and HQ = 2.5 (location C9550; sample number B320W0; soil depth 8.2-11 ft bgs). Molybdenum had four exceedances with a HQ = 1.2 (location C8706; sample number B33B20; soil depth 3.9-6 ft bgs), HQ = 3.0 (location C8706; sample number B33B29; soil depth 5.9-8 ft bgs), HQ = 4.1 (location C8707; sample number B320P2; soil depth 5-7 ft bgs), and HQ = 3.9 (location C9550; sample number B320W0; and soil depth 8.2-11 ft bgs).

Further discussion of the significance of the receptor HQ exceedances is presented in the SLERA SMDP within the FFS.

7.2.9 Grasshopper mouse

The grasshopper mouse had 11 exceedances ranging from a high HQ = 19 for uranium to a low HQ = 1.2 for molybdenum (Table 10).

Representative waste site 200-E-115. The site had two HQ exceedances. Molybdenum had a HQ = 1.4 (location C7682; sample number B26C51; soil depth 12-14 ft bgs) and HQ = 1.4 (location C7682; sample number B26C53; soil depth 14-16 ft bgs).

Representative waste site 216-A-34. The site had one exceedance with a HQ = 19 for uranium (location C3245; sample number B16RX6; soil depth 14.5-17 ft bgs).

Representative waste site UPR-200-E-89. The site had eight exceedances. Antimony had HQ = 2.3 (location C8706, sample number B33B24; soil depth 3.9-6 ft bgs), HQ = 1.9 (location C8706; sample number B33B29; soil depth 5.9-8 ft bgs), HQ = 5.0 (location C8707; sample number B320P2; soil depth 5-7 ft bgs, HQ = 2.1 (location C8711; sample number B320W8; soil depth 10-13 ft bgs), and HQ = 2.8 (location C9550; sample number B320W0; soil depth 8.2-11 ft bgs). Molybdenum had three exceedances with a HQ = 1.2 (location C8706; sample number B33B29; soil depth 5.9-8 ft bgs), HQ = 1.7 (location C8707; sample number B320P2; soil depth 5-7 ft bgs), and HQ = 1.6 (location C9550; sample number B320W0; and soil depth 8.2-11 ft bgs).

Further discussion of the significance of the receptor HQ exceedances is presented in the SLERA SMDP within the FFS.

7.2.10 Badger

Representative waste site 216-A-34. The badger had one HQ exceedance with a HQ = 3.06 (uranium) (sample B16RX6) with a depth of 14.5 to 17 ft bgs (Table 10).

Further discussion of the significance of the receptor HQ exceedances is presented in the SLERA SMDP within the FFS.

7.3 SLERA Results for Radionuclides

A total of 14 radiological analytes were considered during SLERA. Only one of the 200 IA-1 OU representative waste sites exceeded an SOF of 1 (Table 11).

Representative waste site UPR-200-E-64. At this waste site sample B1TFP0 (depth 12.5 – 14.5 ft) at location C5942 had SOF exceedances for some (but not all) receptors for cesium-137 (only). SOFs exceeding an SOF value of one for cesium-137 ranged from 1.28 for plants up to 3.06 for the badger. SOF exceedances for other birds and mammals were either at 1.0 or slightly higher.

Further discussion of the significance of the receptor HQ exceedances is presented in the SLERA SMDP within the FFS.

7.4 Conclusion

Table 12 summarizes a list of all radionuclide and non-radionuclide COPECs for each representative waste site for the 200-IA-1 OU based on the results of the SLERA. The significance of these COPECs is considered in the SLERA SMDP within the FFS.

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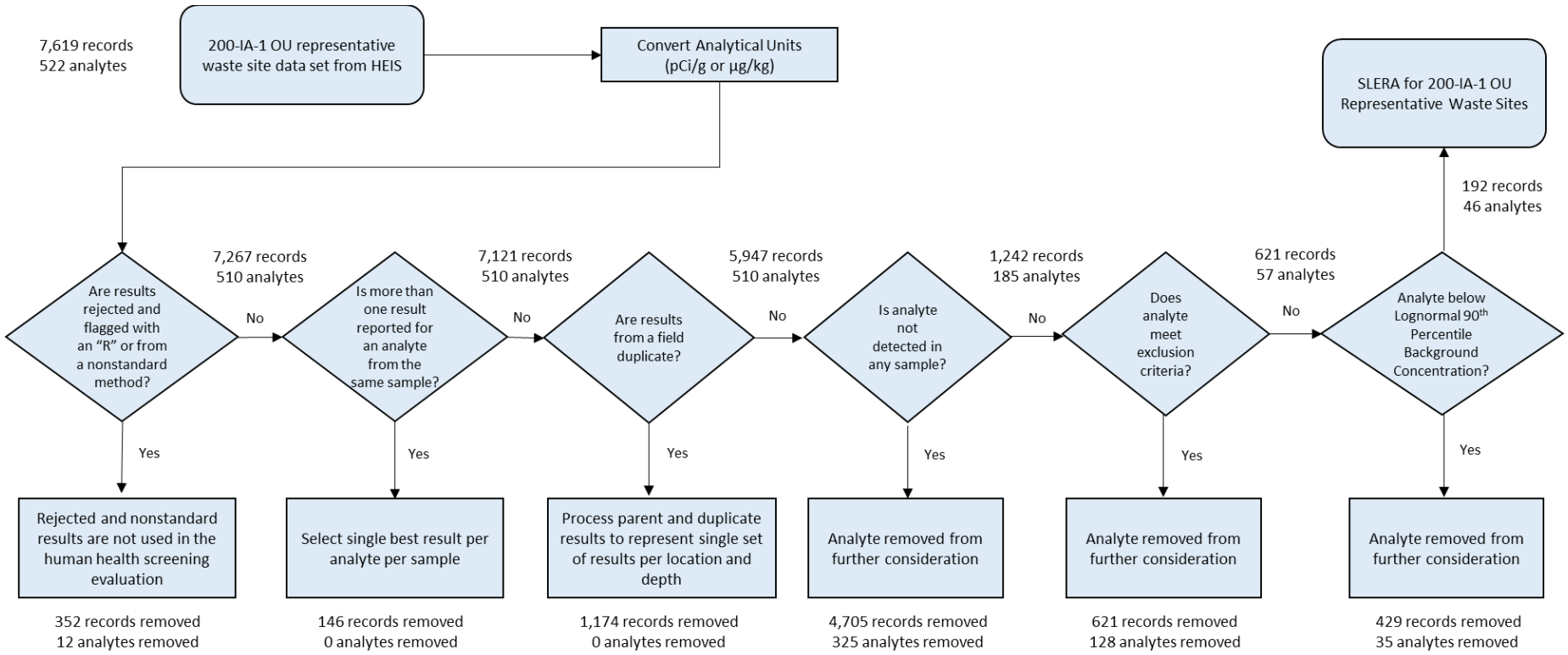

Figure 1. Analytical Data Processing for the 200 IA-1 Operable Unit for the Screening Level Ecological Risk Assessment

Tables

Table 1. Conceptual Site Model Groups 1a and 1b Waste Sites in 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 / 200-W-53[b]	Retention Basin
	207-U	Retention Basin
	UPR-200-W-103	Unplanned Release
	UPR-200-W-116	Unplanned Release
	UPR-200-W-14	Unplanned Release

Table 1. Conceptual Site Model Groups 1a and 1b Waste Sites in the 200-IA-1 OU

Operable Unit	Representative Waste Site	WIDS Waste Site Type
200-WA-1	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
	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. Hanford Site Soil Background Values for the Zero to 4.6 m (15 ft) Depth Interval

Analyte Name	Analyte Class	Units	Lognormal 90th Percentile Background Value	Source of Background Values
Cesium-137	RAD	pCi/g	1.1	DOE/RL-96-12, Rev.0
Cobalt-60	RAD	pCi/g	0.0084	DOE/RL-96-12, Rev.0
Europium-154	RAD	pCi/g	0.033	DOE/RL-96-12, Rev.0
Europium-155	RAD	pCi/g	0.054	DOE/RL-96-12, Rev.0
Gross beta	RAD	pCi/g	23	DOE/RL-96-12, Rev.0
Plutonium-238	RAD	pCi/g	0.0038	DOE/RL-96-12, Rev.0
Plutonium-239/240	RAD	pCi/g	0.025	DOE/RL-96-12, Rev.0
Potassium-40	RAD	pCi/g	17	DOE/RL-96-12, Rev.0
Radium-226	RAD	pCi/g	0.82	DOE/RL-96-12, Rev.0
Radium-228	RAD	pCi/g	1.8	DOE/RL-96-12, Rev.0
Strontium-90	RAD	pCi/g	0.18	DOE/RL-96-12, Rev.0
Thorium-228	RAD	pCi/g	1.4	DOE/RL-96-12, Rev.0
Thorium-232	RAD	pCi/g	1.3	DOE/RL-96-12, Rev.0
Total beta radiostrontium	RAD	pCi/g	0.18	DOE/RL-96-12, Rev.0
Uranium-233/234	RAD	pCi/g	1.1	DOE/RL-96-12, Rev.0
Uranium-234	RAD	pCi/g	1.1	DOE/RL-96-12, Rev.0
Uranium-235	RAD	pCi/g	0.11	DOE/RL-96-12, Rev.0
Uranium-238	RAD	pCi/g	1.1	DOE/RL-96-12, Rev.0
Aluminum	METAL	µg/kg	1.18E+07	DOE/RL-92-24, V.1, Rev.4
Antimony	METAL	µg/kg	130	ECF-HANFORD-11-0038
Arsenic	METAL	µg/kg	20,000	Ecology Letter dated 6/11/2013
Barium	METAL	µg/kg	132,000	DOE/RL-92-24, V.1, Rev.4
Beryllium	METAL	µg/kg	1,510	DOE/RL-92-24, V.1, Rev.4
Boron	METAL	µg/kg	3,890	ECF-HANFORD-11-0038
Cadmium	METAL	µg/kg	563	ECF-HANFORD-11-0038
Calcium	METAL	µg/kg	1.72E+07	DOE/RL-92-24, V.1, Rev.4
Chromium	METAL	µg/kg	18,500	DOE/RL-92-24, V.1, Rev.4
Cobalt	METAL	µg/kg	15,700	DOE/RL-92-24, V.1, Rev.4
Copper	METAL	µg/kg	22,000	DOE/RL-92-24, V.1, Rev.4
Iron	METAL	µg/kg	3.26E+07	DOE/RL-92-24, V.1, Rev.4
Lead	METAL	µg/kg	10,200	DOE/RL-92-24, V.1, Rev.4
Lithium	METAL	µg/kg	13,300	ECF-HANFORD-11-0038
Magnesium	METAL	µg/kg	7.06E+06	DOE/RL-92-24, V.1, Rev.4
Manganese	METAL	µg/kg	512,000	DOE/RL-92-24, V.1, Rev.4
Mercury	METAL	µg/kg	13	ECF-HANFORD-11-0038
Molybdenum	METAL	µg/kg	470	ECF-HANFORD-11-0038
Nickel	METAL	µg/kg	19,100	DOE/RL-92-24, V.1, Rev.4
Potassium	METAL	µg/kg	2.15E+06	DOE/RL-92-24, V.1, Rev.4
Selenium	METAL	µg/kg	780	ECF-HANFORD-11-0038
Silver	METAL	µg/kg	167	ECF-HANFORD-11-0038
Sodium	METAL	µg/kg	690,000	DOE/RL-92-24, V.1, Rev.4
Thallium	METAL	µg/kg	185	ECF-HANFORD-11-0038

Table 2. Hanford Site Soil Background Values for the Zero to 4.6 m (15 ft) Depth Interval

Analyte Name	Analyte Class	Units	Lognormal 90th Percentile Background Value	Source of Background Values
Uranium	METAL	µg/kg	3,210	Isotopic Activity Conversion based on DOE/RL-96-12 values
Vanadium	METAL	µg/kg	85,100	DOE/RL-92-24, V.1, Rev.4
Zinc	METAL	µg/kg	67,800	DOE/RL-92-24, V.1, Rev.4
Ammonia	ANIONS	µg/kg	9,230	DOE/RL-92-24, V.1, Rev.4
Chloride	ANIONS	µg/kg	100,000	DOE/RL-92-24, V.1, Rev.4
Fluoride	ANIONS	µg/kg	2,810	DOE/RL-92-24, V.1, Rev.4
Nitrate	ANIONS	µg/kg	52,000	DOE/RL-92-24, V.1, Rev.4
Phosphate	ANIONS	µg/kg	785	DOE/RL-92-24, V.1, Rev.4
Sulfate	ANIONS	µg/kg	237,000	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 3. Ecological Non-Radionuclide Screening Levels-for 200-IA-1 Analytes

Soil Constituent	Units	CAS #	Lognormal 90th Percentile Background Value (µg/kg)	Receptor Screening Level Based on Minimum of Tier 1 SSL or Tier 2 PRGs									
				Plants	Invertebrates	California Quail	Meadow-lark	Killdeer	Red-tailed Hawk	Great Basin Pocket Mouse	Deer Mouse	Grass-hopper Mouse	Badger
Antimony	µg/kg	7440-36-0	1.30E+02	5.00E+03	7.80E+04	NA	NA	NA	NA	8.80E+03	6.58E+02	5.98E+02	1.89E+04
Barium	µg/kg	7440-39-3	1.32E+05	5.00E+05	3.30E+05	8.59E+05	1.17E+06	6.60E+05	4.04E+06	1.36E+06	1.57E+06	4.61E+06	7.46E+06
Boron	µg/kg	7440-42-8	3.89E+03	3.89E+03[a]	2.90E+04	1.60E+04	2.00E+04	2.60E+04	7.82E+05	9.70E+03	1.20E+04	5.10E+04	7.53E+05
Chromium (Total)	µg/kg	7440-47-3	1.85E+04	1.85E+04[a]	1.85E+04[a]	1.84E+05	9.65E+04	3.65E+04	5.84E+05	1.36E+05	7.47E+04	7.80E+04	4.40E+05
Hexavalent chromium	µg/kg	18540-29-9	--	NA	NA	NA	NA	NA	NA	1.23E+06	2.88E+05	3.00E+05	3.38E+06
Copper	µg/kg	7440-50-8	2.20E+04	7.00E+04	5.80E+04	1.41E+05	8.53E+04	2.20E+04[a]	3.65E+06	1.40E+05	9.20E+04	1.09E+05	2.61E+06
Lead	µg/kg	7439-92-1	1.02E+04	5.00E+04	5.00E+05	2.47E+05	4.87E+04	1.55E+04	9.66E+05	1.20E+06	1.51E+05	1.53E+05	1.95E+06
Mercury (inorganic)	µg/kg	7439-97-6	1.30E+01	3.00E+02	1.00E+02	4.60E+04	3.17E+04	5.60E+03	1.63E+05	NA	NA	NA	NA
Molybdenum	µg/kg	7439-98-7	4.70E+02	2.00E+03	2.80E+04	1.30E+04	1.20E+04	9.50E+03	5.20E+04	5.90E+02	5.70E+02	1.40E+03	3.80E+03
Selenium	µg/kg	7782-49-2	7.80E+02	7.80E+02[a]	4.00E+03	5.30E+03	2.40E+03	1.20E+03	1.20E+04	1.80E+03	9.60E+02	1.30E+03	5.90E+03
Silver	µg/kg	7440-22-4	1.67E+02	2.00E+03	2.99E+03	3.45E+05	1.28E+04	4.96E+03	2.02E+06	1.44E+06	3.46E+04	3.00E+04	3.08E+06
Strontium	µg/kg	7440-24-6	--	NA	NA	NA	NA	NA	NA	9.44E+06	4.85E+06	6.48E+06	4.23E+06
Thallium	µg/kg	7440-28-0	1.85E+02	1.00E+03	4.50E+02	NA	NA	NA	NA	1.70E+03	1.20E+03	2.40E+03	2.63E+03
Tin	µg/kg	7440-31-5	--	5.00E+04	8.38E+05	3.90E+04	3.90E+04	3.40E+04	1.35E+05	8.70E+04	8.90E+04	2.44E+05	4.63E+05
Uranium	µg/kg	7440-61-1	3.21E+03	5.00E+03	1.00E+05	2.00E+06	3.39E+05	1.39E+05	8.20E+04	3.70E+04	6.80E+03	6.80E+03	4.00E+03
Vanadium	µg/kg	7440-62-2	8.51E+04	8.51E+04[a]	1.16E+05	8.51E+04[a]	8.51E+04[a]	8.51E+04[a]	2.53E+05	1.91E+05	2.15E+05	8.35E+05	1.80E+06
Ammonia/Ammonium	µg/kg	7664-41-7	9.23E+03	9.23E+03[a]	9.23E+03[a]	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	µg/kg	57-12-5	--	NA	NA	NA	NA	NA	NA	2.80E+07	2.07E+07	7.81E+07	3.81E+07
Fluoride	µg/kg	16984-48-8	2.81E+03	NA	NA	1.49E+06	2.81E+06	5.56E+05	9.21E+06	9.82E+06	8.22E+06	3.57E+07	1.74E+07
Nitrate/Nitrite	µg/kg	NO2+NO3-N	5.20E+04	5.20E+04[a]	5.20E+04[a]	NA	NA	NA	NA	2.06E+08	1.53E+08	5.77E+08	2.81E+08
Methyl ethyl ketone (2-butanone)	µg/kg	78-93-3	--	NA	NA	2.10E+06	1.04E+06	3.12E+05	1.15E+07	7.21E+08	1.60E+08	1.77E+08	9.71E+08
Dichloromethane (Methylene Chloride)	µg/kg	75-09-2	--	NA	NA	3.61E+06	2.18E+05	8.29E+04	1.73E+07	2.38E+06	6.73E+04	5.89E+04	3.00E+06
Toluene	µg/kg	108-88-3	--	2.00E+05	2.00E+05	8.55E+06	5.12E+05	1.95E+05	1.72E+07	2.12E+07	5.94E+05	5.20E+05	1.58E+07
Pyrene	µg/kg	129-00-0	--	1.80E+04	1.80E+04	1.07E+04	3.88E+03	1.86E+03	7.67E+05	8.25E+05	3.60E+05	4.36E+05	4.16E+07
TPH - diesel	µg/kg	TPHDIESEL	--	NA	2.00E+05	1.05E+08	2.00E+08	3.56E+07	5.90E+08	4.07E+08	3.01E+08	1.14E+09	5.54E+08

Table 3. Ecological Non-Radionuclide Screening Levels-for 200-IA-1 Analytes

Soil Constituent	Units	CAS #	Lognormal 90th Percentile Background Value (µg/kg)	Receptor Screening Level Based on Minimum of Tier 1 SSL or Tier 2 PRGs									
				Plants	Invertebrates	California Quail	Meadow-lark	Killdeer	Red-tailed Hawk	Great Basin Pocket Mouse	Deer Mouse	Grass-hopper Mouse	Badger
Phenol	µg/kg	108-95-2	--	7.00E+04	3.00E+04	NA	NA	NA	NA	1.60E+02	5.26E+05	5.04E+05	7.80E+03
Bis[2-ethylhexyl] phthalate	µg/kg	117-81-7	--	1.00E+05	1.00E+05	1.70E+02	3.52E+02	1.39E+02	3.10E+02	1.80E+03	5.35E+03	4.55E+03	2.00E+04
Aroclor 1260	µg/kg	11096-82-5	--	4.00E+04	4.00E+04	2.04E+04	6.60E+02	3.32E+02	5.15E+04	7.67E+03	3.02E+02	2.71E+02	1.54E+04

[a]SSL or PRG is below Hanford Site Lognormal 90th Percentile Background Level. The value used in the screening level ecological risk assessment is equal to the Hanford Site 90th Percentile Background Value.

NA represents ecological screening level value is not available for the specific receptor

-- represents Lognormal 90th Percenitle Hanford site background information is not available

Table 4. Ecological Radionuclide Screening Levels for 200 IA-1 Analytes

Analyte	CAS #	Unit	Lognormal 90th Percentile Background Value	Plant[a]	California Quail	Western Meadowlark	Killdeer	Red-tailed Hawk	Great Basin Pocket Mouse	Deer Mouse	Grasshopper Mouse	Badger
Americium-241	14596-10-2	pCi/g	--	21,500	28,800	24,900	11,800	17,600	71,700	48,400	41,100	4,820
Carbon-14	14762-75-5	pCi/g	--	60,700	54	60	56	50	61	60	135	31
Cesium-137	10045-97-3	pCi/g	1.6	2,210	2,390	2,700	2,800	1,430	2,510	2,630	3,280	924
Europium-152	14683-23-9	pCi/g	--	14,700	1,740	1,740	1,740	1,880	1,740	1,740	1,740	2,220
Europium-154	15585-10-1	pCi/g	0.079	12,500	1,610	1,610	1,610	1,740	1,610	1,610	1,610	2,060
Europium-155	14391-16-3	pCi/g	0.098	153,000	33,400	33,400	33,400	37,300	33,400	33,400	33,400	48,600
Hydrogen-3 (tritium)	10028-17-8	pCi/g	--	1.68E+06	1,430	1,280	936	1,130	3,270	2,290	2,830	420
Plutonium-238	13981-16-3	pCi/g	0.019	17,500	36,300	56,200	20,900	26,800	291,000	161,000	161,000	5,980
Plutonium-239/240	PU-239/240	pCi/g	0.033	12,700	38,800	60,300	22,300	28,400	324,000	175,000	176,000	6,270
Strontium-90	10098-97-2	pCi/g	0.37	3,580	521	302	150	112	700	519	411	91
Technetium-99	14133-76-7	pCi/g	--	21,900	5,360	11,500	137,000	280,000	8,670	12,100	412,000	127,000
Uranium-234	13966-29-5	pCi/g	1.5	51,600	12,700	21,800	6,370	40,900	30,300	24,800	51,600	14,200
Uranium-235	15117-96-1	pCi/g	0.39	27,400	6,340	7,810	4,360	10,200	8,600	8,130	9,630	8,060
Uranium-238	U-238	pCi/g	1.2	15,700	8,020	10,400	5,150	22,100	11,900	11,000	13,900	13,400

The risk based value selected for each receptor represents a Tier 1 SSL

-- indicates Hanford background levels not available

[a]Plant radiological screening values are generic (screening level) Biota Concentration Guides listed in Table 6-1 CHPRC-00784, Rev 1.

Table 5. List of Non-Detected Analytes for the 200-IA-1 OU

Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]
(m+p)-Xylene	179601-23-1	µg/kg	8/17/2010	8/29/2010	8	0	0.14	0.20
1,1,1-Trichloroethane	71-55-6	µg/kg	8/7/2000	10/22/2015	19	0	0.076	6.0
1,1,2,2-Tetrachloroethane	79-34-5	µg/kg	8/7/2000	10/22/2015	19	0	0.17	6.0
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	µg/kg	8/17/2010	8/29/2010	8	0	0.096	0.14
1,1,2-Trichloroethane	79-00-5	µg/kg	8/7/2000	10/22/2015	19	0	0.14	6.0
1,1-Dichloroethane	75-34-3	µg/kg	8/7/2000	10/22/2015	11	0	0.18	6.0
1,1-Dichloroethene	75-35-4	µg/kg	8/7/2000	10/22/2015	20	0	0.18	6.0
1,2,4,5-Tetrachlorobenzene	95-94-3	µg/kg	7/16/2015	7/21/2015	2	0	103	105
1,2,4-Trichlorobenzene	120-82-1	µg/kg	8/7/2000	10/22/2015	28	0	75	380
1,2-Dichlorobenzene	95-50-1	µg/kg	8/7/2000	10/22/2015	27	0	97	380
1,2-Dichloroethane	107-06-2	µg/kg	8/7/2000	10/22/2015	19	0	0.044	6.0
1,2-Dichloroethene (Total)	540-59-0	µg/kg	8/7/2000	10/22/2015	11	0	0.18	6.0
1,2-Dichloropropane	78-87-5	µg/kg	8/7/2000	10/22/2015	11	0	0.18	6.0
1,3-Dichlorobenzene	541-73-1	µg/kg	8/7/2000	10/22/2015	19	0	103	380
1,4-Dichlorobenzene	106-46-7	µg/kg	8/7/2000	10/22/2015	20	0	103	380
1,4-Dioxane	123-91-1	µg/kg	7/16/2015	7/21/2015	2	0	103	105
1,4-Naphthoquinone	130-15-4	µg/kg	7/16/2015	7/21/2015	2	0	103	105
1-Butanol	71-36-3	µg/kg	10/28/2002	8/29/2010	13	0	8.5	26,000
1-Methylnaphthalene	90-12-0	µg/kg	7/16/2015	7/21/2015	2	0	10	11
1-Naphthylamine	134-32-7	µg/kg	7/16/2015	7/21/2015	2	0	103	105
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	33091-17-7	µg/kg	8/17/2010	8/29/2010	8	0	1.60E-04	3.20E-04
2,2',3,3',4,5,5'-Heptachlorobiphenyl	52663-74-8	µg/kg	8/17/2010	8/29/2010	8	0	2.70E-04	3.90E-04
2,2',3,3',4,5',6-Heptachlorobiphenyl	40186-70-7	µg/kg	8/17/2010	8/29/2010	8	0	2.50E-04	3.50E-04
2,2',3,3',4,5'-Hexachlorobiphenyl	52663-66-8	µg/kg	8/17/2010	8/29/2010	8	0	3.50E-04	5.50E-04
2,2',3,3',4,6-Hexachlorobiphenyl	61798-70-7	µg/kg	8/17/2010	8/29/2010	8	0	3.60E-04	5.60E-04
2,2',3,3',4-Pentachlorobiphenyl	52663-62-4	µg/kg	8/17/2010	8/29/2010	8	0	3.50E-04	6.20E-04
2,2',3,3',5,5'-Hexachlorobiphenyl	35694-04-3	µg/kg	8/17/2010	8/29/2010	8	0	3.30E-04	5.20E-04
2,2',3,3',6,6'-Hexachlorobiphenyl	38411-22-2	µg/kg	8/17/2010	8/29/2010	8	0	2.40E-04	3.70E-04
2,2',3,3',6-Pentachlorobiphenyl	52663-60-2	µg/kg	8/17/2010	8/29/2010	8	0	3.40E-04	6.00E-04
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	74472-52-9	µg/kg	8/17/2010	8/29/2010	8	0	1.70E-04	3.30E-04
2,2',3,4,4',5,6'-Heptachlorobiphenyl	60145-23-5	µg/kg	8/17/2010	8/29/2010	8	0	2.40E-04	3.40E-04
2,2',3,4,4',5,6-Heptachlorobiphenyl	74472-47-2	µg/kg	8/17/2010	8/29/2010	8	0	2.50E-04	3.50E-04
2,2',3,4,4',5-Hexachlorobiphenyl	35694-06-5	µg/kg	8/17/2010	8/29/2010	8	0	3.00E-04	4.70E-04
2,2',3,4,4',6,6'-Heptachlorobiphenyl	74472-48-3	µg/kg	8/17/2010	8/29/2010	8	0	2.00E-04	2.90E-04
2,2',3,4,5,6,6'-Heptachlorobiphenyl	74472-49-4	µg/kg	8/17/2010	8/29/2010	8	0	2.00E-04	2.80E-04

Table 5. List of Non-Detected Analytes for the 200-IA-1 OU

Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]
2,2',3,4',5,6,6'-Heptachlorobiphenyl	74487-85-7	µg/kg	8/17/2010	8/29/2010	8	0	1.70E-04	2.40E-04
2,2',3,4,5,6-Hexachlorobiphenyl	41411-61-4	µg/kg	8/17/2010	8/29/2010	8	0	3.50E-04	5.40E-04
2,2',3,4,5',6-Hexachlorobiphenyl	68194-14-9	µg/kg	8/17/2010	8/29/2010	8	0	3.00E-04	4.70E-04
2,2',3,4',5,6'-Hexachlorobiphenyl	74472-41-6	µg/kg	8/17/2010	8/29/2010	8	0	3.20E-04	5.00E-04
2,2',3,4,6,6'-Hexachlorobiphenyl	74472-40-5	µg/kg	8/17/2010	8/29/2010	8	0	2.30E-04	3.60E-04
2,2',3,4',6,6'-Hexachlorobiphenyl	68194-08-1	µg/kg	8/17/2010	8/29/2010	8	0	2.20E-04	3.50E-04
2,2',3,4,6'-Pentachlorobiphenyl	73575-57-2	µg/kg	8/17/2010	8/29/2010	8	0	3.30E-04	5.80E-04
2,2',3',4,6-Pentachlorobiphenyl	60233-25-2	µg/kg	8/17/2010	8/29/2010	8	0	2.80E-04	5.00E-04
2,2',3,4'-Tetrachlorobiphenyl	36559-22-5	µg/kg	8/17/2010	8/29/2010	8	0	3.50E-04	7.90E-04
2,2',3,5,5'-Pentachlorobiphenyl	52663-61-3	µg/kg	8/17/2010	8/29/2010	8	0	2.90E-04	5.10E-04
2,2',3,5,6,6'-Hexachlorobiphenyl	68194-09-2	µg/kg	8/17/2010	8/29/2010	8	0	2.30E-04	3.50E-04
2,2',3,5,6'-Pentachlorobiphenyl	73575-55-0	µg/kg	8/17/2010	8/29/2010	8	0	3.30E-04	5.80E-04
2,2',3,5,6-Pentachlorobiphenyl	73575-56-1	µg/kg	8/17/2010	8/29/2010	8	0	2.90E-04	5.10E-04
2,2',3,5-Tetrachlorobiphenyl	70362-46-8	µg/kg	8/17/2010	8/29/2010	8	0	3.20E-04	7.30E-04
2,2',3,6,6'-Pentachlorobiphenyl	73575-54-9	µg/kg	8/17/2010	8/29/2010	8	0	2.40E-04	4.30E-04
2,2',3,6'-Tetrachlorobiphenyl	41464-47-5	µg/kg	8/17/2010	8/29/2010	8	0	4.20E-04	9.50E-04
2,2',3-Trichlorobiphenyl	38444-78-9	µg/kg	8/17/2010	8/29/2010	8	0	5.00E-04	0.0012
2,2',4,4',5,6'-Hexachlorobiphenyl	60145-22-4	µg/kg	8/17/2010	8/29/2010	8	0	2.60E-04	4.10E-04
2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2	µg/kg	8/17/2010	8/29/2010	8	0	2.20E-04	3.40E-04
2,2',4,4',6-Pentachlorobiphenyl	39485-83-1	µg/kg	8/17/2010	8/29/2010	8	0	2.90E-04	5.10E-04
2,2',4,5,6-Pentachlorobiphenyl	68194-06-9	µg/kg	8/17/2010	8/29/2010	8	0	2.80E-04	5.00E-04
2,2',4,5',6-Pentachlorobiphenyl	60145-21-3	µg/kg	8/17/2010	8/29/2010	8	0	2.90E-04	5.10E-04
2,2',4,5-Tetrachlorobiphenyl	70362-47-9	µg/kg	8/17/2010	8/29/2010	8	0	3.40E-04	7.70E-04
2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8	µg/kg	8/17/2010	8/29/2010	8	0	2.20E-04	3.80E-04
2,2',6,6'-Tetrachlorobiphenyl	15968-05-5	µg/kg	8/17/2010	8/29/2010	8	0	3.20E-04	8.30E-04
2,2',6-Trichlorobiphenyl	38444-73-4	µg/kg	8/17/2010	8/29/2010	8	0	5.10E-04	0.0012
2,3,3',4,4',5,5',6-Octachlorobiphenyl	74472-53-0	µg/kg	8/17/2010	8/29/2010	8	0	1.20E-04	2.40E-04
2,3,3',4,4',5,5'-Heptachlorobiphenyl	39635-31-9	µg/kg	8/17/2010	8/29/2010	8	0	1.40E-04	2.00E-04
2,3,3',4,4',5',6-Heptachlorobiphenyl	74472-50-7	µg/kg	8/17/2010	8/29/2010	8	0	1.90E-04	2.70E-04
2,3,3',4,5,5',6-Heptachlorobiphenyl	74472-51-8	µg/kg	8/17/2010	8/29/2010	8	0	2.10E-04	3.00E-04
2,3,3',4,5,5'-Hexachlorobiphenyl	39635-35-3	µg/kg	8/17/2010	8/29/2010	8	0	2.30E-04	3.60E-04
2,3,3',4',5,5'-Hexachlorobiphenyl	39635-34-2	µg/kg	8/17/2010	8/29/2010	8	0	2.30E-04	3.60E-04
2,3,3',4,5',6-Hexachlorobiphenyl	74472-43-8	µg/kg	8/17/2010	8/29/2010	8	0	2.30E-04	3.60E-04
2,3,3',4',5',6-Hexachlorobiphenyl	74472-45-0	µg/kg	8/17/2010	8/29/2010	8	0	2.40E-04	3.80E-04
2,3,3',4,5-Pentachlorobiphenyl	70424-69-0	µg/kg	8/17/2010	8/29/2010	8	0	1.60E-04	3.10E-04

Table 5. List of Non-Detected Analytes for the 200-IA-1 OU

Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]
2,3,3',4',5-Pentachlorobiphenyl	70424-68-9	µg/kg	8/17/2010	8/29/2010	8	0	1.50E-04	3.00E-04
2',3,3',4,5-Pentachlorobiphenyl	76842-07-4	µg/kg	8/17/2010	8/29/2010	8	0	1.70E-04	3.40E-04
2,3,3',4-Tetrachlorobiphenyl	74338-24-2	µg/kg	8/17/2010	8/29/2010	8	0	2.70E-04	6.00E-04
2,3,3',5,5',6-Hexachlorobiphenyl	74472-46-1	µg/kg	8/17/2010	8/29/2010	8	0	2.50E-04	3.90E-04
2,3,3',5,5'-Pentachlorobiphenyl	39635-32-0	µg/kg	8/17/2010	8/29/2010	8	0	2.00E-04	3.60E-04
2,3,3',5,6-Pentachlorobiphenyl	74472-36-9	µg/kg	8/17/2010	8/29/2010	8	0	2.20E-04	3.90E-04
2,3,3',5'-Tetrachlorobiphenyl	41464-49-7	µg/kg	8/17/2010	8/29/2010	8	0	2.50E-04	5.70E-04
2,3,3',5-Tetrachlorobiphenyl	70424-67-8	µg/kg	8/17/2010	8/29/2010	8	0	2.50E-04	5.70E-04
2,3,3',6-Tetrachlorobiphenyl	74472-33-6	µg/kg	8/17/2010	8/29/2010	8	0	2.40E-04	5.50E-04
2,3',4,4',5,5'-Hexachlorobiphenyl	52663-72-6	µg/kg	8/17/2010	8/29/2010	8	0	1.70E-04	2.70E-04
2,3,4,4',5-Pentachlorobiphenyl	74472-37-0	µg/kg	8/17/2010	8/29/2010	8	0	1.40E-04	2.80E-04
2',3,4,4',5-Pentachlorobiphenyl	65510-44-3	µg/kg	8/17/2010	8/29/2010	8	0	1.60E-04	3.00E-04
2,3,4,4'-Tetrachlorobiphenyl	33025-41-1	µg/kg	8/17/2010	8/29/2010	8	0	2.60E-04	5.80E-04
2,3',4,5,5'-Pentachlorobiphenyl	68194-12-7	µg/kg	8/17/2010	8/29/2010	8	0	2.10E-04	3.70E-04
2,3',4,5',6-Pentachlorobiphenyl	56558-18-0	µg/kg	8/17/2010	8/29/2010	8	0	2.10E-04	3.70E-04
2,3,4',5-Tetrachlorobiphenyl	74472-34-7	µg/kg	8/17/2010	8/29/2010	8	0	2.30E-04	5.30E-04
2,3',4,5-Tetrachlorobiphenyl	73575-53-8	µg/kg	8/17/2010	8/29/2010	8	0	2.30E-04	5.20E-04
2,3,4,6-Tetrachlorobiphenyl	54230-22-7	µg/kg	8/17/2010	8/29/2010	8	0	2.40E-04	5.50E-04
2,3,4,6-Tetrachlorophenol	58-90-2	µg/kg	7/16/2015	7/21/2015	2	0	103	105
2,3',5,5'-Tetrachlorobiphenyl	41464-42-0	µg/kg	8/17/2010	8/29/2010	8	0	2.50E-04	5.60E-04
2,3',5',6-Tetrachlorobiphenyl	74338-23-1	µg/kg	8/17/2010	8/29/2010	8	0	3.20E-04	7.30E-04
2,3,5-Trichlorobiphenyl	55720-44-0	µg/kg	8/17/2010	8/29/2010	8	0	2.50E-04	5.80E-04
2',3,5-Trichlorobiphenyl	37680-68-5	µg/kg	8/17/2010	8/29/2010	8	0	2.50E-04	5.70E-04
2,3,6-Trichlorobiphenyl	55702-45-9	µg/kg	8/17/2010	8/29/2010	8	0	3.50E-04	8.30E-04
2,3',6-Trichlorobiphenyl	38444-76-7	µg/kg	8/17/2010	8/29/2010	8	0	3.00E-04	7.10E-04
2,3'-Dichlorobiphenyl	25569-80-6	µg/kg	8/17/2010	8/29/2010	8	0	8.10E-04	0.0019
2,3-Dichlorobiphenyl	16605-91-7	µg/kg	8/17/2010	8/29/2010	8	0	8.60E-04	0.0020
2,4,4',6-Tetrachlorobiphenyl	32598-12-2	µg/kg	8/17/2010	8/29/2010	8	0	2.40E-04	5.50E-04
2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	µg/kg	4/4/2003	9/4/2003	6	0	17	19
2,4,5-Trichlorophenol	95-95-4	µg/kg	8/7/2000	10/22/2015	27	0	42	960
2,4,6-Trichlorophenol	88-06-2	µg/kg	8/7/2000	7/21/2015	20	0	48	380
2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid	94-82-6	µg/kg	4/4/2003	9/4/2003	6	0	170	190
2,4-Dichlorobiphenyl	33284-50-3	µg/kg	8/17/2010	8/29/2010	8	0	8.30E-04	0.0020
2,4-Dichlorophenol	120-83-2	µg/kg	8/7/2000	10/22/2015	19	0	82	380
2,4-Dimethylphenol	105-67-9	µg/kg	8/7/2000	10/22/2015	19	0	68	380

Table 5. List of Non-Detected Analytes for the 200-IA-1 OU

Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]
2,4-Dinitrophenol	51-28-5	µg/kg	8/7/2000	10/22/2015	19	0	103	960
2,4-Dinitrotoluene	121-14-2	µg/kg	8/7/2000	10/22/2015	28	0	37	380
2,5-Dichlorobiphenyl	34883-39-1	µg/kg	8/17/2010	8/29/2010	8	0	8.40E-04	0.0020
2,6-bis(1,1-dimethylethyl)-4-methyl phenol	128-37-0	µg/kg	8/17/2010	8/29/2010	8	0	227	236
2,6-Dichlorobiphenyl	33146-45-1	µg/kg	8/17/2010	8/29/2010	8	0	9.00E-04	0.0021
2,6-Dichlorophenol	87-65-0	µg/kg	7/16/2015	7/21/2015	2	0	103	105
2,6-Dinitrotoluene	606-20-2	µg/kg	8/7/2000	10/22/2015	19	0	68	380
2-Acetylaminofluorene	53-96-3	µg/kg	7/16/2015	7/21/2015	2	0	103	105
2-Butoxyethanol	111-76-2	µg/kg	4/4/2003	9/10/2003	4	0	100	100
2-Chloronaphthalene	91-58-7	µg/kg	8/7/2000	10/22/2015	19	0	10	380
2-Hexanone	591-78-6	µg/kg	8/7/2000	10/22/2015	11	0	1.8	12
2-Hydroxyacetate	GLYCOLATE	µg/kg	8/17/2010	8/29/2010	8	0	92	94
2-Methylnaphthalene	91-57-6	µg/kg	8/7/2000	10/22/2015	19	0	10	380
2-Methylphenol (cresol, o-)	95-48-7	µg/kg	8/7/2000	11/12/2015	51	0	34	380
2-Naphthylamine	91-59-8	µg/kg	7/16/2015	7/21/2015	2	0	103	105
2-Nitroaniline	88-74-4	µg/kg	8/7/2000	10/22/2015	19	0	68	960
2-Nitrophenol	88-75-5	µg/kg	8/7/2000	10/22/2015	27	0	52	380
2-Nitropropane	79-46-9	µg/kg	8/17/2010	8/29/2010	8	0	0.48	0.69
2-Pentanone	107-87-9	µg/kg	9/10/2003	9/10/2003	3	0	2.0	2.1
2-Picoline	109-06-8	µg/kg	7/16/2015	7/21/2015	2	0	103	105
3,3',4,4'-Tetrachlorobiphenyl	32598-13-3	µg/kg	8/17/2010	8/29/2010	8	0	2.50E-04	5.50E-04
3,3',4,5,5'-Pentachlorobiphenyl	39635-33-1	µg/kg	8/17/2010	8/29/2010	8	0	1.50E-04	3.00E-04
3,3',4,5'-Tetrachlorobiphenyl	41464-48-6	µg/kg	8/17/2010	8/29/2010	8	0	2.30E-04	5.20E-04
3,3',4,5-Tetrachlorobiphenyl	70362-49-1	µg/kg	8/17/2010	8/29/2010	8	0	2.60E-04	5.90E-04
3,3',4-Trichlorobiphenyl	37680-69-6	µg/kg	8/17/2010	8/29/2010	8	0	2.60E-04	5.90E-04
3,3',5,5'-Tetrachlorobiphenyl	33284-52-5	µg/kg	8/17/2010	8/29/2010	8	0	2.20E-04	5.10E-04
3,3',5-Trichlorobiphenyl	38444-87-0	µg/kg	8/17/2010	8/29/2010	8	0	2.50E-04	5.70E-04
3,3'-Dichlorobenzidine	91-94-1	µg/kg	8/7/2000	10/22/2015	19	0	82	380
3,3'-Dimethylbenzidine	119-93-7	µg/kg	7/16/2015	7/21/2015	2	0	103	105
3,4,4',5-Tetrachlorobiphenyl	70362-50-4	µg/kg	8/17/2010	8/29/2010	8	0	2.30E-04	5.30E-04
3,4,5-Trichlorobiphenyl	53555-66-1	µg/kg	8/17/2010	8/29/2010	8	0	2.60E-04	6.00E-04
3,4',5-Trichlorobiphenyl	38444-88-1	µg/kg	8/17/2010	8/29/2010	8	0	2.30E-04	5.30E-04
3,4'-Dichlorobiphenyl	2974-90-5	µg/kg	8/17/2010	8/29/2010	8	0	8.20E-04	0.0019
3,4-Dichlorobiphenyl	2974-92-7	µg/kg	8/17/2010	8/29/2010	8	0	8.20E-04	0.0019
3,5-Dichlorobiphenyl	34883-41-5	µg/kg	8/17/2010	8/29/2010	8	0	7.10E-04	0.0017

Table 5. List of Non-Detected Analytes for the 200-IA-1 OU

Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]
3+4 Methylphenol (cresol, m+p)	65794-96-9	µg/kg	8/7/2000	11/12/2015	42	0	50	360
3-Methylcholanthrene	56-49-5	µg/kg	7/16/2015	7/21/2015	2	0	103	105
3-Methylphenol (cresol, m-)	108-39-4	µg/kg	4/4/2003	4/4/2003	1	0	120	120
3-Monochlorobiphenyl	2051-61-8	µg/kg	8/17/2010	8/29/2010	8	0	9.70E-05	2.30E-04
3-Nitroaniline	99-09-2	µg/kg	8/7/2000	10/22/2015	19	0	68	960
4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	µg/kg	4/4/2003	8/29/2010	14	0	0.085	3.7
4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	µg/kg	4/4/2003	8/29/2010	14	0	0.41	3.7
4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	µg/kg	4/4/2003	8/29/2010	14	0	0.65	3.7
4,4'-Dichlorobiphenyl	2050-68-2	µg/kg	8/17/2010	8/29/2010	8	0	8.80E-04	0.0023
4,6-Dinitro-2-methylphenol	534-52-1	µg/kg	8/7/2000	10/22/2015	19	0	103	960
4-Aminobiphenyl	92-67-1	µg/kg	7/16/2015	7/21/2015	2	0	103	105
4-Bromophenylphenyl ether	101-55-3	µg/kg	8/7/2000	10/22/2015	19	0	68	380
4-Chloroaniline	106-47-8	µg/kg	8/7/2000	10/22/2015	19	0	95	380
4-Chlorophenylphenyl ether	7005-72-3	µg/kg	8/7/2000	10/22/2015	19	0	68	380
4-Methyl-2-pentanone	108-10-1	µg/kg	8/7/2000	10/22/2015	19	0	1.4	12
4-Methylphenol (cresol, p-)	106-44-5	µg/kg	10/28/2002	10/28/2002	1	0	380	380
4-Monochlorobiphenyl	2051-62-9	µg/kg	8/17/2010	8/29/2010	8	0	1.20E-04	2.90E-04
4-Nitroaniline	100-01-6	µg/kg	8/7/2000	10/22/2015	19	0	103	960
4-Nitrophenol	100-02-7	µg/kg	8/7/2000	10/22/2015	20	0	103	960
4-Nitroquinoline-1-oxide	56-57-5	µg/kg	7/16/2015	7/21/2015	2	0	103	105
5-Nitro-o-toluidine	99-55-8	µg/kg	7/16/2015	7/21/2015	2	0	103	105
7,12-Dimethylbenz(a)anthracene	57-97-6	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Acenaphthene	83-32-9	µg/kg	8/7/2000	10/22/2015	28	0	10	380
Acenaphthylene	208-96-8	µg/kg	8/7/2000	10/22/2015	19	0	10	380
Acetophenone	98-86-2	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Aldrin	309-00-2	µg/kg	4/4/2003	8/29/2010	14	0	0.32	1.9
alpha,alpha-Dimethylphenethylamine	122-09-8	µg/kg	7/16/2015	7/21/2015	2	0	121	122
Alpha-BHC	319-84-6	µg/kg	4/4/2003	8/29/2010	14	0	0.14	1.9
Alpha-Chlordane	5103-71-9	µg/kg	4/4/2003	9/4/2003	6	0	1.7	1.9
Aniline	62-53-3	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Anthracene	120-12-7	µg/kg	8/7/2000	10/22/2015	19	0	10	380
Aramite	140-57-8	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Aroclor-1016	12674-11-2	µg/kg	10/19/2001	10/22/2015	16	0	3.4	51
Aroclor-1221	11104-28-2	µg/kg	10/19/2001	10/22/2015	16	0	3.4	100
Aroclor-1232	11141-16-5	µg/kg	10/19/2001	10/22/2015	16	0	3.4	51

Table 5. List of Non-Detected Analytes for the 200-IA-1 OU

Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]
Aroclor-1242	53469-21-9	µg/kg	10/19/2001	10/22/2015	16	0	3.4	51
Aroclor-1248	12672-29-6	µg/kg	10/19/2001	10/22/2015	16	0	3.4	51
Aroclor-1254	11097-69-1	µg/kg	10/19/2001	10/22/2015	16	0	3.4	51
Aroclor-1262	37324-23-5	µg/kg	9/10/2003	10/22/2015	6	0	3.4	51
Aroclor-1268	11100-14-4	µg/kg	9/10/2003	10/22/2015	6	0	3.4	51
Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0.028	0.034
Benzene	71-43-2	µg/kg	8/7/2000	10/22/2015	20	0	0.12	6.0
Benzo(a)anthracene	56-55-3	µg/kg	8/7/2000	10/22/2015	27	0	10	380
Benzo(a)pyrene	50-32-8	µg/kg	8/7/2000	10/22/2015	27	0	10	380
Benzo(b)fluoranthene	205-99-2	µg/kg	8/7/2000	10/22/2015	27	0	10	380
Benzo(ghi)perylene	191-24-2	µg/kg	8/7/2000	10/22/2015	19	0	10	380
Benzo(k)fluoranthene	207-08-9	µg/kg	8/7/2000	10/22/2015	27	0	10	380
Benzoic acid	65-85-0	µg/kg	7/16/2015	7/21/2015	2	0	172	175
Benzyl alcohol	100-51-6	µg/kg	10/28/2002	7/21/2015	6	0	75	380
-1,2,3,4,5,6-Hexachlorocyclohexane (beta-B	319-85-7	µg/kg	4/4/2003	8/29/2010	14	0	0.31	1.9
Bis(2-chloro-1-methylethyl)ether	108-60-1	µg/kg	8/7/2000	10/22/2015	19	0	103	380
Bis(2-Chloroethoxy)methane	111-91-1	µg/kg	8/7/2000	10/22/2015	19	0	103	380
Bis(2-chloroethyl) ether	111-44-4	µg/kg	8/7/2000	10/22/2015	19	0	103	380
Bismuth	7440-69-9	µg/kg	10/19/2001	7/21/2015	10	0	91	8,310
Bromide	24959-67-9	µg/kg	4/4/2003	8/29/2010	9	0	567	900
Bromodichloromethane	75-27-4	µg/kg	8/7/2000	10/22/2015	11	0	0.18	6.0
Bromoform	75-25-2	µg/kg	8/7/2000	10/22/2015	11	0	0.18	6.0
Bromomethane	74-83-9	µg/kg	8/7/2000	10/22/2015	11	0	0.18	12
Carbazole	86-74-8	µg/kg	8/7/2000	10/22/2015	19	0	10	380
Carbon disulfide	75-15-0	µg/kg	8/7/2000	10/22/2015	19	0	0.13	6.0
Carbon tetrachloride	56-23-5	µg/kg	8/7/2000	10/22/2015	19	0	0.077	6.0
Cellosolve Solvent	110-80-5	µg/kg	8/17/2010	8/29/2010	8	0	176	182
Chlordane	57-74-9	µg/kg	8/17/2010	8/29/2010	8	0	3.9	12
Chlorobenzene	108-90-7	µg/kg	8/7/2000	10/22/2015	20	0	0.071	6.0
Chlorobenzilate	510-15-6	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Chloroethane	75-00-3	µg/kg	8/7/2000	10/22/2015	11	0	0.18	12
Chloroform	67-66-3	µg/kg	8/7/2000	10/22/2015	19	0	0.11	6.0
Chloromethane	74-87-3	µg/kg	8/7/2000	10/22/2015	11	0	0.18	12
Chrysene	218-01-9	µg/kg	8/7/2000	10/22/2015	27	0	10	380
cis-1,2-Dichloroethylene	156-59-2	µg/kg	8/17/2010	8/29/2010	8	0	0.15	0.21

Table 5. List of Non-Detected Analytes for the 200-IA-1 OU

Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]
cis-1,3-Dichloropropene	10061-01-5	µg/kg	8/7/2000	10/22/2015	11	0	0.18	6.0
Co-elution of PCB congeners BZ 108 and 124	PCB108/124	µg/kg	8/17/2010	8/29/2010	8	0	2.00E-04	3.00E-04
Co-elution of PCB congeners BZ 134 and 143	PCB134/143	µg/kg	8/17/2010	8/29/2010	8	0	4.00E-04	6.00E-04
Co-elution of PCB congeners BZ 139 and 140	PCB139/140	µg/kg	8/17/2010	8/29/2010	8	0	3.00E-04	5.00E-04
Co-elution of PCB congeners BZ 171 and 173	PCB171/173	µg/kg	8/17/2010	8/29/2010	8	0	3.00E-04	4.00E-04
o-elution of PCB congeners BZ 40, 41, and 7	PCB40/41/71	µg/kg	8/17/2010	8/29/2010	8	0	3.00E-04	8.00E-04
Co-elution of PCB congeners BZ 50 and 53	PCB50/53	µg/kg	8/17/2010	8/29/2010	8	0	3.00E-04	8.00E-04
-elution of PCB congeners BZ 85, 116, and 1	PCB85/116/117	µg/kg	8/17/2010	8/29/2010	8	0	2.00E-04	4.00E-04
Co-elution of PCB congeners BZ 88 and 91	PCB88/91	µg/kg	8/17/2010	8/29/2010	8	0	3.00E-04	5.00E-04
Curium-242	15510-73-3	pCi/g	8/17/2010	8/29/2010	8	0	0.17	0.24
Curium-243/244	CM-243/244	pCi/g	8/17/2010	8/29/2010	8	0	0.17	0.24
Cyclohexanone	108-94-1	µg/kg	8/17/2010	8/29/2010	8	0	537	558
Dalapon	75-99-0	µg/kg	4/4/2003	9/4/2003	6	0	170	190
Decane	124-18-5	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Delta-BHC	319-86-8	µg/kg	4/4/2003	8/29/2010	14	0	0.25	1.9
Diallate	2303-16-4	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Dibenz(a,h)anthracene	53-70-3	µg/kg	8/7/2000	10/22/2015	27	0	10	380
Dibenzofuran	132-64-9	µg/kg	8/7/2000	10/22/2015	19	0	68	380
Dibromochloromethane	124-48-1	µg/kg	8/7/2000	10/22/2015	11	0	0.18	6.0
Dibutylphosphate	107-66-4	µg/kg	8/17/2010	8/29/2010	8	0	870	920
Dicamba	1918-00-9	µg/kg	4/4/2003	9/4/2003	6	0	69	75
Dichloroprop	120-36-5	µg/kg	4/4/2003	9/4/2003	6	0	170	190
Dieldrin	60-57-1	µg/kg	4/4/2003	8/29/2010	14	0	0.22	3.7
Diethyl ether	60-29-7	µg/kg	4/4/2003	8/29/2010	12	0	0.21	5,000
Dimethoate	60-51-5	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Dimethyl phthalate	131-11-3	µg/kg	8/7/2000	10/22/2015	19	0	68	380
Di-n-octylphthalate	117-84-0	µg/kg	8/7/2000	10/22/2015	27	0	46	380
Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	µg/kg	4/4/2003	7/21/2015	8	0	17	105
Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Disulfoton	298-04-4	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Endosulfan I	959-98-8	µg/kg	4/4/2003	9/4/2003	6	0	1.7	1.9
Endosulfan II	33213-65-9	µg/kg	4/4/2003	9/4/2003	6	0	3.4	3.7
Endosulfan sulfate	1031-07-8	µg/kg	4/4/2003	9/4/2003	6	0	3.4	3.7
Endrin aldehyde	7421-93-4	µg/kg	4/4/2003	9/4/2003	6	0	3.4	3.7
Endrin ketone	53494-70-5	µg/kg	4/4/2003	9/4/2003	6	0	3.4	3.7

Table 5. List of Non-Detected Analytes for the 200-IA-1 OU

Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]
Endrin	72-20-8	µg/kg	4/4/2003	8/29/2010	14	0	0.14	3.7
Ethyl acetate	141-78-6	µg/kg	8/17/2010	8/29/2010	8	0	0.48	0.69
Ethyl methanesulfonate	62-50-0	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Ethylbenzene	100-41-4	µg/kg	8/7/2000	10/22/2015	19	0	0.088	6.0
Ethylene glycol	107-21-1	µg/kg	4/4/2003	8/29/2010	12	0	5,000	14,000
Famphur	52-85-7	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Fluoranthene	206-44-0	µg/kg	8/7/2000	10/22/2015	27	0	10	380
Fluorene	86-73-7	µg/kg	8/7/2000	10/22/2015	19	0	10	380
Gamma-BHC (Lindane)	58-89-9	µg/kg	4/4/2003	8/29/2010	14	0	0.18	1.9
Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	6.4	6.4
Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	15	15
Heptachlor epoxide	1024-57-3	µg/kg	4/4/2003	8/29/2010	14	0	0.45	1.9
Heptachlor	76-44-8	µg/kg	4/4/2003	8/29/2010	14	0	0.099	1.9
Hexachlorobenzene	118-74-1	µg/kg	8/7/2000	10/22/2015	19	0	68	380
Hexachlorobutadiene	87-68-3	µg/kg	8/7/2000	10/22/2015	27	0	67	380
Hexachlorocyclopentadiene	77-47-4	µg/kg	8/7/2000	10/22/2015	19	0	103	380
Hexachloroethane	67-72-1	µg/kg	8/7/2000	10/22/2015	27	0	103	480
Hexachlorophene	70-30-4	µg/kg	7/16/2015	7/21/2015	2	0	4,000	4,050
Hexachloropropene	1888-71-7	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Indeno(1,2,3-cd)pyrene	193-39-5	µg/kg	8/7/2000	10/22/2015	27	0	10	380
Iodine-129	15046-84-1	pCi/g	8/7/2000	10/22/2015	33	0	0.14	12
Isobutyl alcohol	78-83-1	µg/kg	8/17/2010	8/29/2010	8	0	443	460
Isodrin	465-73-6	µg/kg	7/16/2015	7/21/2015	2	0	69	70
Isophorone	78-59-1	µg/kg	8/7/2000	10/22/2015	19	0	68	380
Isosafrole	120-58-1	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Kepone	143-50-0	µg/kg	7/16/2015	7/21/2015	2	0	103	105
m-Dinitrobenzene	99-65-0	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Methanol	67-56-1	µg/kg	4/4/2003	9/10/2003	4	0	1,000	1,000
Methapyrilene	91-80-5	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Methoxychlor	72-43-5	µg/kg	4/4/2003	9/4/2003	6	0	17	19
Methyl methanesulfonate	66-27-3	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Methyl parathion	298-00-0	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Monobutyl phosphate	1623-15-0	µg/kg	8/17/2010	8/29/2010	8	0	630	680
Naphthalene	91-20-3	µg/kg	8/7/2000	10/22/2015	27	0	10	380
n-Butylbenzene	104-51-8	µg/kg	9/10/2003	9/10/2003	3	0	2.0	2.1

Table 5. List of Non-Detected Analytes for the 200-IA-1 OU

Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]
Neptunium-237	13994-20-2	pCi/g	10/19/2001	10/22/2015	27	0	0.017	0.69
Nitrobenzene	98-95-3	µg/kg	8/7/2000	10/22/2015	27	0	62	380
Nitrosopyrrolidine	930-55-2	µg/kg	7/16/2015	7/21/2015	2	0	103	105
n-Nitrosodiethylamine	55-18-5	µg/kg	7/16/2015	7/21/2015	2	0	103	105
n-Nitrosodimethylamine	62-75-9	µg/kg	7/16/2015	7/21/2015	2	0	103	105
n-Nitrosodi-n-butylamine	924-16-3	µg/kg	7/16/2015	7/21/2015	2	0	103	105
n-Nitrosodiphenylamine	86-30-6	µg/kg	8/7/2000	9/10/2003	10	0	68	380
n-Nitrosomethylethylamine	10595-95-6	µg/kg	7/16/2015	7/21/2015	2	0	103	105
n-Nitrosomorpholine	59-89-2	µg/kg	8/17/2010	7/21/2015	10	0	103	191
n-Nitrosopiperidine	100-75-4	µg/kg	7/16/2015	7/21/2015	2	0	103	105
O,O,O-Triethyl phosphorothioate	126-68-1	µg/kg	7/16/2015	7/21/2015	2	0	103	105
O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Oil and grease	OIL/GREASE	µg/kg	4/4/2003	9/10/2003	13	0	680,000	748,000
o-Toluidine	95-53-4	µg/kg	7/16/2015	7/21/2015	2	0	103	105
o-Xylene	95-47-6	µg/kg	8/17/2010	8/29/2010	8	0	0.076	0.11
Parathion	56-38-2	µg/kg	7/16/2015	7/21/2015	2	0	103	105
p-Dimethylaminoazobenzene	60-11-7	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Pentachlorobenzene	608-93-5	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Pentachloroethane	76-01-7	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Pentachloronitrobenzene (PCNB)	82-68-8	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Pentachlorophenol	87-86-5	µg/kg	8/7/2000	10/22/2015	20	0	103	960
Phenacetin	62-44-2	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Phenanthrene	85-01-8	µg/kg	8/7/2000	10/22/2015	19	0	10	380
Phorate	298-02-2	µg/kg	7/16/2015	7/21/2015	2	0	103	105
p-Phenylenediamine	106-50-3	µg/kg	7/16/2015	7/21/2015	2	0	3,440	3,490
Pronamide	23950-58-5	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Pyridine	110-86-1	µg/kg	10/28/2002	7/21/2015	11	0	63	380
Ruthenium-103	13968-53-1	pCi/g	4/4/2003	9/10/2003	4	0	0.0090	0.015
Safrol	94-59-7	µg/kg	7/16/2015	7/21/2015	2	0	103	105
sym-Trinitrobenzene	99-35-4	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Tetrachloroethene	127-18-4	µg/kg	8/7/2000	10/22/2015	19	0	0.090	6.0
Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	µg/kg	7/16/2015	7/21/2015	2	0	103	105
Tin-126	15832-50-5	pCi/g	10/28/2002	9/10/2003	5	0	0.090	0.20
Total cresols	1319-77-3	µg/kg	8/17/2010	7/21/2015	10	0	103	107
Total organic carbon	TOC	µg/kg	4/29/2008	4/29/2008	1	0	200,000	200,000

Table 5. List of Non-Detected Analytes for the 200-IA-1 OU

Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]
Total petroleum hydrocarbons - gasoline rang	TPHGASOLINE	µg/kg	10/19/2001	8/29/2010	14	0	10	2,000
otal petroleum hydrocarbons - kerosene rang	TPHKEROSENE	µg/kg	10/19/2001	10/22/2015	13	0	1,150	12,300
Toxaphene	8001-35-2	µg/kg	4/4/2003	9/4/2003	6	0	170	190
trans-1,2-Dichloroethylene	156-60-5	µg/kg	8/17/2010	8/29/2010	8	0	0.25	0.35
trans-1,3-Dichloropropene	10061-02-6	µg/kg	8/7/2000	10/22/2015	19	0	0.18	6.0
trans-Chlordane	5103-74-2	µg/kg	4/4/2003	9/4/2003	6	0	1.7	1.9
Trichloroethene	79-01-6	µg/kg	8/7/2000	10/22/2015	20	0	0.100	6.0
Trichloromonofluoromethane	75-69-4	µg/kg	8/17/2010	8/29/2010	8	0	0.077	0.11
Vinyl chloride	75-01-4	µg/kg	8/7/2000	10/22/2015	19	0	0.14	12
Xylenes (total)	1330-20-7	µg/kg	8/7/2000	10/22/2015	19	0	0.17	6.0

[a]MDL or MDA - method detection limit or method detection activity

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C28	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2051-24-3	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	8/27/2010	1	0	4.50E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C28	2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	8/27/2010	1	0	2.70E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C28	2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	µg/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	µg/kg	8/29/2010	1	0	2.20E-04
200-E-115	C7680	B26C26	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	µg/kg	8/27/2010	1	0	5.40E-04
200-E-115	C7680	B26C28	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	µg/kg	8/29/2010	1	0	4.60E-04
200-E-115	C7680	B26C30	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	µg/kg	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26JK8	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C26	2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	µg/kg	8/27/2010	1	0	5.10E-04
200-E-115	C7680	B26C28	2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	µg/kg	8/29/2010	1	0	4.10E-04
200-E-115	C7680	B26C30	2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	µg/kg	8/29/2010	1	0	3.90E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C26	2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	8/29/2010	1	0	2.70E-04
200-E-115	C7680	B26C26	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	µg/kg	8/27/2010	1	0	4.90E-04
200-E-115	C7680	B26C28	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	µg/kg	8/29/2010	1	0	4.20E-04
200-E-115	C7680	B26C30	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	µg/kg	8/29/2010	1	0	3.70E-04
200-E-115	C7680	B26JK8	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	µg/kg	8/26/2010	1	0	3.10E-04
200-E-115	C7680	B26C26	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	µg/kg	8/27/2010	1	0	4.50E-04
200-E-115	C7680	B26C28	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	µg/kg	8/29/2010	1	0	3.90E-04
200-E-115	C7680	B26C30	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	µg/kg	8/29/2010	1	0	3.30E-04
200-E-115	C7680	B26JK8	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	µg/kg	8/26/2010	1	0	2.90E-04
200-E-115	C7680	B26C26	2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	µg/kg	8/27/2010	1	0	5.10E-04
200-E-115	C7680	B26C28	2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	µg/kg	8/29/2010	1	0	4.10E-04
200-E-115	C7680	B26C30	2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	µg/kg	8/29/2010	1	0	3.90E-04
200-E-115	C7680	B26C26	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	µg/kg	8/27/2010	1	0	4.50E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C28	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	µg/kg	8/29/2010	1	0	3.70E-04
200-E-115	C7680	B26C30	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	µg/kg	8/29/2010	1	0	3.60E-04
200-E-115	C7680	B26C26	2,2',4-Trichlorobiphenyl	37680-66-3	µg/kg	8/27/2010	1	0	6.00E-04
200-E-115	C7680	B26C28	2,2',4-Trichlorobiphenyl	37680-66-3	µg/kg	8/29/2010	1	0	6.00E-04
200-E-115	C7680	B26C30	2,2',4-Trichlorobiphenyl	37680-66-3	µg/kg	8/29/2010	1	0	5.70E-04
200-E-115	C7680	B26JK8	2,2',4-Trichlorobiphenyl	37680-66-3	µg/kg	8/26/2010	1	0	4.90E-04
200-E-115	C7680	B26C26	2,2'-Dichlorobiphenyl	13029-08-8	µg/kg	8/27/2010	1	0	0.0015
200-E-115	C7680	B26C28	2,2'-Dichlorobiphenyl	13029-08-8	µg/kg	8/29/2010	1	0	0.0013
200-E-115	C7680	B26C30	2,2'-Dichlorobiphenyl	13029-08-8	µg/kg	8/29/2010	1	0	0.0013
200-E-115	C7680	B26JK9	2,2'-Dichlorobiphenyl	13029-08-8	µg/kg	8/26/2010	1	0	0.0013
200-E-115	C7680	B26C26	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	µg/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	µg/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	µg/kg	8/29/2010	1	0	2.30E-04
200-E-115	C7680	B26C26	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	µg/kg	8/27/2010	1	0	3.40E-04
200-E-115	C7680	B26C28	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	µg/kg	8/29/2010	1	0	2.90E-04
200-E-115	C7680	B26C30	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	µg/kg	8/29/2010	1	0	2.50E-04
200-E-115	C7680	B26JK8	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	µg/kg	8/26/2010	1	0	2.10E-04
200-E-115	C7680	B26C26	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	µg/kg	8/27/2010	1	0	2.50E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C28	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	µg/kg	8/29/2010	1	0	2.10E-04
200-E-115	C7680	B26C30	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	µg/kg	8/29/2010	1	0	2.00E-04
200-E-115	C7680	B26C26	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	µg/kg	8/27/2010	1	0	3.70E-04
200-E-115	C7680	B26C28	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	µg/kg	8/29/2010	1	0	3.40E-04
200-E-115	C7680	B26C30	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	µg/kg	8/29/2010	1	0	3.20E-04
200-E-115	C7680	B26C28	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	µg/kg	8/29/2010	1	0	2.10E-04
200-E-115	C7680	B26C26	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	µg/kg	8/27/2010	1	0	3.60E-04
200-E-115	C7680	B26C28	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	µg/kg	8/29/2010	1	0	3.30E-04
200-E-115	C7680	B26C30	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	µg/kg	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C28	2,3',4,5'-Tetrachlorobiphenyl	73575-52-7	µg/kg	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C26	2,3,4',6-Tetrachlorobiphenyl	52663-58-8	µg/kg	8/27/2010	1	0	3.40E-04
200-E-115	C7680	B26C28	2,3,4',6-Tetrachlorobiphenyl	52663-58-8	µg/kg	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C30	2,3,4',6-Tetrachlorobiphenyl	52663-58-8	µg/kg	8/29/2010	1	0	2.90E-04
200-E-115	C7680	B26C26	2,3,4'-Trichlorobiphenyl	38444-85-8	µg/kg	8/27/2010	1	0	3.60E-04
200-E-115	C7680	B26C30	2,3,4'-Trichlorobiphenyl	38444-85-8	µg/kg	8/29/2010	1	0	3.30E-04
200-E-115	C7680	B26C26	2,3',4-Trichlorobiphenyl	55712-37-3	µg/kg	8/27/2010	1	0	3.20E-04
200-E-115	C7680	B26C28	2,3',4-Trichlorobiphenyl	55712-37-3	µg/kg	8/29/2010	1	0	3.10E-04
200-E-115	C7680	B26C30	2,3',4-Trichlorobiphenyl	55712-37-3	µg/kg	8/29/2010	1	0	3.00E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26JK8	2,3',4-Trichlorobiphenyl	55712-37-3	µg/kg	8/26/2010	1	0	2.30E-04
200-E-115	C7680	B26C26	2,4',6-Trichlorobiphenyl	38444-77-8	µg/kg	8/27/2010	1	0	4.20E-04
200-E-115	C7680	B26C28	2,4',6-Trichlorobiphenyl	38444-77-8	µg/kg	8/29/2010	1	0	4.30E-04
200-E-115	C7680	B26C30	2,4',6-Trichlorobiphenyl	38444-77-8	µg/kg	8/29/2010	1	0	4.00E-04
200-E-115	C7680	B26JK8	2,4',6-Trichlorobiphenyl	38444-77-8	µg/kg	8/26/2010	1	0	3.40E-04
200-E-115	C7680	B26C30	2,4'-Dichlorobiphenyl	34883-43-7	µg/kg	8/29/2010	1	0	0.0011
200-E-115	C7680	B26C27	2-Butanone	78-93-3	µg/kg	8/27/2010	1	0	1.9
200-E-115	C7680	B26C29	2-Butanone	78-93-3	µg/kg	8/29/2010	1	0	1.8
200-E-115	C7680	B26C31	2-Butanone	78-93-3	µg/kg	8/29/2010	1	0	2.3
200-E-115	C7680	B26JL9	2-Butanone	78-93-3	µg/kg	8/26/2010	1	0	1.6
200-E-115	C7680	B26C26	2-Chlorophenol	95-57-8	µg/kg	8/27/2010	1	0	67
200-E-115	C7680	B26C28	2-Chlorophenol	95-57-8	µg/kg	8/29/2010	1	0	66
200-E-115	C7680	B26C30	2-Chlorophenol	95-57-8	µg/kg	8/29/2010	1	0	66
200-E-115	C7680	B26JK8	2-Chlorophenol	95-57-8	µg/kg	8/26/2010	1	0	64
200-E-115	C7680	B26C26	2-Monochlorobiphenyl	2051-60-7	µg/kg	8/27/2010	1	0	1.00E-04
200-E-115	C7680	B26C28	2-Monochlorobiphenyl	2051-60-7	µg/kg	8/29/2010	1	0	1.10E-04
200-E-115	C7680	B26C30	2-Monochlorobiphenyl	2051-60-7	µg/kg	8/29/2010	1	0	9.20E-05
200-E-115	C7680	B26JK8	2-Monochlorobiphenyl	2051-60-7	µg/kg	8/26/2010	1	0	7.90E-05

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C26	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	µg/kg	8/27/2010	1	0	2.80E-04
200-E-115	C7680	B26C28	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	µg/kg	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C30	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	µg/kg	8/29/2010	1	0	2.10E-04
200-E-115	C7680	B26C26	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	µg/kg	8/27/2010	1	0	2.70E-04
200-E-115	C7680	B26C28	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	µg/kg	8/29/2010	1	0	2.40E-04
200-E-115	C7680	B26C30	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	µg/kg	8/29/2010	1	0	2.20E-04
200-E-115	C7680	B26C26	3,4,4'-Trichlorobiphenyl	38444-90-5	µg/kg	8/27/2010	1	0	3.60E-04
200-E-115	C7680	B26C28	3,4,4'-Trichlorobiphenyl	38444-90-5	µg/kg	8/29/2010	1	0	3.50E-04
200-E-115	C7680	B26C30	3,4,4'-Trichlorobiphenyl	38444-90-5	µg/kg	8/29/2010	1	0	3.40E-04
200-E-115	C7680	B26JK8	3,4,4'-Trichlorobiphenyl	38444-90-5	µg/kg	8/26/2010	1	0	2.50E-04
200-E-115	C7680	B26C26	4-Chloro-3-methylphenol	59-50-7	µg/kg	8/27/2010	1	0	43
200-E-115	C7680	B26C28	4-Chloro-3-methylphenol	59-50-7	µg/kg	8/29/2010	1	0	43
200-E-115	C7680	B26C30	4-Chloro-3-methylphenol	59-50-7	µg/kg	8/29/2010	1	0	43
200-E-115	C7680	B26JK8	4-Chloro-3-methylphenol	59-50-7	µg/kg	8/26/2010	1	0	42
200-E-115	C7680	B26C26	Acetate	71-50-1	µg/kg	8/27/2010	1	0	60
200-E-115	C7680	B26JK8	Acetate	71-50-1	µg/kg	8/26/2010	1	0	59
200-E-115	C7680	B26C27	Acetone	67-64-1	µg/kg	8/27/2010	1	0	2.1
200-E-115	C7680	B26C29	Acetone	67-64-1	µg/kg	8/29/2010	1	0	2.0

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C31	Acetone	67-64-1	µg/kg	8/29/2010	1	0	2.6
200-E-115	C7680	B26JL8	Acetone	67-64-1	µg/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	µg/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	µg/kg	8/27/2010	1	0	20
200-E-115	C7680	B26C28	Aroclor-1260	11096-82-5	µg/kg	8/29/2010	1	0	20
200-E-115	C7680	B26C30	Aroclor-1260	11096-82-5	µg/kg	8/29/2010	1	0	19
200-E-115	C7680	B26JK9	Aroclor-1260	11096-82-5	µg/kg	8/26/2010	1	0	13
200-E-115	C7680	B26C28	Beryllium	7440-41-7	µg/kg	8/29/2010	1	0	100
200-E-115	C7680	B26C26	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	8/27/2010	1	0	590
200-E-115	C7680	B26C28	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	8/29/2010	1	0	589
200-E-115	C7680	B26C30	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	8/29/2010	1	0	590
200-E-115	C7680	B26JK8	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	8/26/2010	1	0	568
200-E-115	C7680	B26C26	Butylbenzylphthalate	85-68-7	µg/kg	8/27/2010	1	0	50

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C28	Butylbenzylphthalate	85-68-7	µg/kg	8/29/2010	1	0	50
200-E-115	C7680	B26C30	Butylbenzylphthalate	85-68-7	µg/kg	8/29/2010	1	0	50
200-E-115	C7680	B26JK8	Butylbenzylphthalate	85-68-7	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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+	µg/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	µg/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	µg/kg	8/27/2010	1	0	4.00E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C28	Co-elution of PCB congeners BZ 156 and 157	PCB156/157	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 26 and 29	PCB26/29	µg/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	µg/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	µg/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	µg/kg	8/27/2010	1	0	4.00E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C30	Co-elution of PCB congeners BZ 49 and 69	PCB49/69	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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+	µg/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+	µg/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+	µg/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+	µg/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	µg/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	µg/kg	8/29/2010	1	0	3.00E-04
200-E-115	C7680	B26C26	Cyanide	57-12-5	µg/kg	8/27/2010	1	0	2,640
200-E-115	C7680	B26C28	Cyanide	57-12-5	µg/kg	8/29/2010	1	0	2,600
200-E-115	C7680	B26C30	Cyanide	57-12-5	µg/kg	8/29/2010	1	0	2,640
200-E-115	C7680	B26JK9	Cyanide	57-12-5	µg/kg	8/26/2010	1	0	2,640
200-E-115	C7680	B26C26	Di-n-butylphthalate	84-74-2	µg/kg	8/27/2010	1	0	562

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C28	Di-n-butylphthalate	84-74-2	µg/kg	8/29/2010	1	0	562
200-E-115	C7680	B26C30	Di-n-butylphthalate	84-74-2	µg/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	µg/kg	8/27/2010	1	0	9.5
200-E-115	C7680	B26C28	Mercury	7439-97-6	µg/kg	8/29/2010	1	0	9.1
200-E-115	C7680	B26C30	Mercury	7439-97-6	µg/kg	8/29/2010	1	0	9.1
200-E-115	C7680	B26JK8	Mercury	7439-97-6	µg/kg	8/26/2010	1	0	9.4
200-E-115	C7680	B26C27	Methylene chloride	75-09-2	µg/kg	8/27/2010	1	0	0.061
200-E-115	C7680	B26C29	Methylene chloride	75-09-2	µg/kg	8/29/2010	1	0	0.059
200-E-115	C7680	B26C31	Methylene chloride	75-09-2	µg/kg	8/29/2010	1	0	0.075
200-E-115	C7680	B26JL8	Methylene chloride	75-09-2	µg/kg	8/26/2010	1	0	0.053
200-E-115	C7680	B26C26	Molybdenum	7439-98-7	µg/kg	8/27/2010	1	0	2,000

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C28	Molybdenum	7439-98-7	µg/kg	8/29/2010	1	0	1,990
200-E-115	C7680	B26C30	Molybdenum	7439-98-7	µg/kg	8/29/2010	1	0	1,970
200-E-115	C7680	B26JK9	Molybdenum	7439-98-7	µg/kg	8/26/2010	1	0	1,970
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	µg/kg	8/27/2010	1	0	58
200-E-115	C7680	B26C28	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	8/29/2010	1	0	58
200-E-115	C7680	B26C30	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	8/29/2010	1	0	58
200-E-115	C7680	B26JK8	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	8/26/2010	1	0	56
200-E-115	C7680	B26C28	Oxalate	338-70-5	µg/kg	8/29/2010	1	0	226
200-E-115	C7680	B26C30	Oxalate	338-70-5	µg/kg	8/29/2010	1	0	231
200-E-115	C7680	B26JK8	Oxalate	338-70-5	µg/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	µg/kg	8/27/2010	1	0	63

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7680	B26C28	Pyrene	129-00-0	µg/kg	8/29/2010	1	0	63
200-E-115	C7680	B26C30	Pyrene	129-00-0	µg/kg	8/29/2010	1	0	63
200-E-115	C7680	B26JK8	Pyrene	129-00-0	µg/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	µg/kg	8/29/2010	1	0	0.32
200-E-115	C7680	B26C29	Toluene	108-88-3	µg/kg	8/29/2010	1	0	0.52
200-E-115	C7680	B26C26	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	8/27/2010	1	0	1,100
200-E-115	C7680	B26C28	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	8/29/2010	1	0	1,100
200-E-115	C7680	B26C30	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	8/29/2010	1	0	1,100
200-E-115	C7680	B26JK9	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	8/26/2010	1	0	690
200-E-115	C7680	B26C26	Tributyl phosphate	126-73-8	µg/kg	8/27/2010	1	0	108
200-E-115	C7680	B26C28	Tributyl phosphate	126-73-8	µg/kg	8/29/2010	1	0	108
200-E-115	C7680	B26C30	Tributyl phosphate	126-73-8	µg/kg	8/29/2010	1	0	108
200-E-115	C7680	B26JK9	Tributyl phosphate	126-73-8	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	8/19/2010	1	0	2.20E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7682	B26JL0	2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	8/18/2010	1	0	2.60E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7682	B26C53	2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	8/17/2010	1	0	2.50E-04
200-E-115	C7682	B26C47	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	µg/kg	8/18/2010	1	0	4.10E-04
200-E-115	C7682	B26C51	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	µg/kg	8/18/2010	1	0	3.50E-04
200-E-115	C7682	B26C53	2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	8/19/2010	1	0	3.60E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7682	B26JL0	2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	µg/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	µg/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	µg/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	µg/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	µg/kg	8/17/2010	1	0	2.60E-04
200-E-115	C7682	B26C53	2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	µg/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	µg/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	µg/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	µg/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	µg/kg	8/18/2010	1	0	2.90E-04
200-E-115	C7682	B26C53	2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	µg/kg	8/19/2010	1	0	3.10E-04
200-E-115	C7682	B26C47	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	µg/kg	8/18/2010	1	0	3.80E-04
200-E-115	C7682	B26C51	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	µg/kg	8/18/2010	1	0	3.20E-04
200-E-115	C7682	B26C53	2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	µg/kg	8/19/2010	1	0	4.50E-04
200-E-115	C7682	B26C47	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	µg/kg	8/18/2010	1	0	3.50E-04
200-E-115	C7682	B26C51	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	µg/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	µg/kg	8/19/2010	1	0	4.10E-04
200-E-115	C7682	B26C53	2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	µg/kg	8/19/2010	1	0	4.90E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7682	B26C47	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6	µg/kg	8/18/2010	1	0	3.80E-04
200-E-115	C7682	B26C47	2,2',4-Trichlorobiphenyl	37680-66-3	µg/kg	8/18/2010	1	0	5.10E-04
200-E-115	C7682	B26C51	2,2',4-Trichlorobiphenyl	37680-66-3	µg/kg	8/18/2010	1	0	4.70E-04
200-E-115	C7682	B26C53	2,2',4-Trichlorobiphenyl	37680-66-3	µg/kg	8/19/2010	1	0	9.90E-04
200-E-115	C7682	B26C47	2,2'-Dichlorobiphenyl	13029-08-8	µg/kg	8/18/2010	1	0	0.0014
200-E-115	C7682	B26C51	2,2'-Dichlorobiphenyl	13029-08-8	µg/kg	8/18/2010	1	0	0.0010
200-E-115	C7682	B26C53	2,2'-Dichlorobiphenyl	13029-08-8	µg/kg	8/19/2010	1	0	0.0022
200-E-115	C7682	B26C47	2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	µg/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	µg/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	µg/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	µg/kg	8/17/2010	1	0	2.60E-04
200-E-115	C7682	B26C47	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	µg/kg	8/18/2010	1	0	2.60E-04
200-E-115	C7682	B26C51	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	µg/kg	8/18/2010	1	0	2.20E-04
200-E-115	C7682	B26C53	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	µg/kg	8/19/2010	1	0	3.10E-04
200-E-115	C7682	B26C47	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	µg/kg	8/18/2010	1	0	1.90E-04
200-E-115	C7682	B26C53	2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	µg/kg	8/19/2010	1	0	3.00E-04
200-E-115	C7682	B26C47	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	µg/kg	8/18/2010	1	0	3.20E-04
200-E-115	C7682	B26C51	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	µg/kg	8/18/2010	1	0	2.70E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7682	B26C53	2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	µg/kg	8/19/2010	1	0	5.70E-04
200-E-115	C7682	B26C53	2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	µg/kg	8/19/2010	1	0	2.80E-04
200-E-115	C7682	B26C47	2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	µg/kg	8/18/2010	1	0	3.10E-04
200-E-115	C7682	B26C47	2,3',4,5'-Tetrachlorobiphenyl	73575-52-7	µg/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26JL0	2,3',4,5'-Tetrachlorobiphenyl	73575-52-7	µg/kg	8/17/2010	1	0	2.50E-04
200-E-115	C7682	B26C47	2,3,4',6-Tetrachlorobiphenyl	52663-58-8	µg/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C53	2,3,4'-Trichlorobiphenyl	38444-85-8	µg/kg	8/19/2010	1	0	5.70E-04
200-E-115	C7682	B26C47	2,3',4-Trichlorobiphenyl	55712-37-3	µg/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C51	2,3',4-Trichlorobiphenyl	55712-37-3	µg/kg	8/18/2010	1	0	2.30E-04
200-E-115	C7682	B26JL0	2,3',4-Trichlorobiphenyl	55712-37-3	µg/kg	8/17/2010	1	0	2.30E-04
200-E-115	C7682	B26C47	2,4',6-Trichlorobiphenyl	38444-77-8	µg/kg	8/18/2010	1	0	3.60E-04
200-E-115	C7682	B26C51	2,4',6-Trichlorobiphenyl	38444-77-8	µg/kg	8/18/2010	1	0	3.30E-04
200-E-115	C7682	B26JL0	2,4',6-Trichlorobiphenyl	38444-77-8	µg/kg	8/17/2010	1	0	2.90E-04
200-E-115	C7682	B26C48	2-Butanone	78-93-3	µg/kg	8/18/2010	1	0	1.7
200-E-115	C7682	B26C50	2-Butanone	78-93-3	µg/kg	8/18/2010	1	0	2.0
200-E-115	C7682	B26C54	2-Butanone	78-93-3	µg/kg	8/19/2010	1	0	2.2
200-E-115	C7682	B26JM1	2-Butanone	78-93-3	µg/kg	8/17/2010	1	0	1.7
200-E-115	C7682	B26C47	2-Chlorophenol	95-57-8	µg/kg	8/18/2010	1	0	66

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7682	B26C51	2-Chlorophenol	95-57-8	µg/kg	8/18/2010	1	0	67
200-E-115	C7682	B26C53	2-Chlorophenol	95-57-8	µg/kg	8/19/2010	1	0	66
200-E-115	C7682	B26JL1	2-Chlorophenol	95-57-8	µg/kg	8/17/2010	1	0	66
200-E-115	C7682	B26C51	2-Monochlorobiphenyl	2051-60-7	µg/kg	8/18/2010	1	0	1.00E-04
200-E-115	C7682	B26C53	2-Monochlorobiphenyl	2051-60-7	µg/kg	8/19/2010	1	0	1.80E-04
200-E-115	C7682	B26JL0	2-Monochlorobiphenyl	2051-60-7	µg/kg	8/17/2010	1	0	9.40E-05
200-E-115	C7682	B26C47	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	µg/kg	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C51	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	µg/kg	8/18/2010	1	0	1.80E-04
200-E-115	C7682	B26C53	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	µg/kg	8/19/2010	1	0	2.60E-04
200-E-115	C7682	B26JL1	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	µg/kg	8/17/2010	1	0	2.20E-04
200-E-115	C7682	B26C47	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	µg/kg	8/18/2010	1	0	2.00E-04
200-E-115	C7682	B26C51	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	µg/kg	8/18/2010	1	0	1.60E-04
200-E-115	C7682	B26C53	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	µg/kg	8/19/2010	1	0	3.20E-04
200-E-115	C7682	B26JL1	3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	µg/kg	8/17/2010	1	0	2.00E-04
200-E-115	C7682	B26C47	3,4,4'-Trichlorobiphenyl	38444-90-5	µg/kg	8/18/2010	1	0	3.30E-04
200-E-115	C7682	B26C51	3,4,4'-Trichlorobiphenyl	38444-90-5	µg/kg	8/18/2010	1	0	2.60E-04
200-E-115	C7682	B26C53	3,4,4'-Trichlorobiphenyl	38444-90-5	µg/kg	8/19/2010	1	0	5.90E-04
200-E-115	C7682	B26C47	4-Chloro-3-methylphenol	59-50-7	µg/kg	8/18/2010	1	0	43

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7682	B26C51	4-Chloro-3-methylphenol	59-50-7	µg/kg	8/18/2010	1	0	43
200-E-115	C7682	B26C53	4-Chloro-3-methylphenol	59-50-7	µg/kg	8/19/2010	1	0	43
200-E-115	C7682	B26JL1	4-Chloro-3-methylphenol	59-50-7	µg/kg	8/17/2010	1	0	43
200-E-115	C7682	B26C47	Acetate	71-50-1	µg/kg	8/18/2010	1	0	60
200-E-115	C7682	B26C48	Acetone	67-64-1	µg/kg	8/18/2010	1	0	1.9
200-E-115	C7682	B26C50	Acetone	67-64-1	µg/kg	8/18/2010	1	0	2.2
200-E-115	C7682	B26C54	Acetone	67-64-1	µg/kg	8/19/2010	1	0	2.4
200-E-115	C7682	B26JM1	Acetone	67-64-1	µg/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	µg/kg	8/18/2010	1	0	6.8
200-E-115	C7682	B26C51	Aroclor-1260	11096-82-5	µg/kg	8/18/2010	1	0	6.5
200-E-115	C7682	B26C53	Aroclor-1260	11096-82-5	µg/kg	8/19/2010	1	0	24
200-E-115	C7682	B26JL1	Aroclor-1260	11096-82-5	µg/kg	8/17/2010	1	0	6.4
200-E-115	C7682	B26C47	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	8/18/2010	1	0	587

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7682	B26C51	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	8/18/2010	1	0	590
200-E-115	C7682	B26C53	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	8/19/2010	1	0	585
200-E-115	C7682	B26JL1	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	8/17/2010	1	0	588
200-E-115	C7682	B26C47	Butylbenzylphthalate	85-68-7	µg/kg	8/18/2010	1	0	50
200-E-115	C7682	B26C51	Butylbenzylphthalate	85-68-7	µg/kg	8/18/2010	1	0	50
200-E-115	C7682	B26JL1	Butylbenzylphthalate	85-68-7	µg/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	µg/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	µg/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	µg/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	µg/kg	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+	µg/kg	8/18/2010	1	0	3.00E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 135 and 151	PCB135/151	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	8/17/2010	1	0	2.00E-04

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-E-115	C7682	B26C47	Co-elution of PCB congeners BZ 49 and 69	PCB49/69	µg/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	µg/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	µg/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	µg/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+	µg/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+	µg/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+	µg/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	µg/kg	8/18/2010	1	0	3.00E-04
200-E-115	C7682	B26C47	Cyanide	57-12-5	µg/kg	8/18/2010	1	0	2,610
200-E-115	C7682	B26C51	Cyanide	57-12-5	µg/kg	8/18/2010	1	0	2,660
200-E-115	C7682	B26C53	Cyanide	57-12-5	µg/kg	8/19/2010	1	0	2,680
200-E-115	C7682	B26JL1	Cyanide	57-12-5	µg/kg	8/17/2010	1	0	2,600
200-E-115	C7682	B26C47	Di-n-butylphthalate	84-74-2	µg/kg	8/18/2010	1	0	559
200-E-115	C7682	B26C51	Di-n-butylphthalate	84-74-2	µg/kg	8/18/2010	1	0	562
200-E-115	C7682	B26C53	Di-n-butylphthalate	84-74-2	µg/kg	8/19/2010	1	0	558
200-E-115	C7682	B26JL1	Di-n-butylphthalate	84-74-2	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
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
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	µg/kg	8/18/2010	1	0	47
200-E-115	C7682	B26C47	Mercury	7439-97-6	µg/kg	8/18/2010	1	0	9.8
200-E-115	C7682	B26C51	Mercury	7439-97-6	µg/kg	8/18/2010	1	0	9.0
200-E-115	C7682	B26C53	Mercury	7439-97-6	µg/kg	8/19/2010	1	0	8.2
200-E-115	C7682	B26JL1	Mercury	7439-97-6	µg/kg	8/17/2010	1	0	8.8
200-E-115	C7682	B26C48	Methylene chloride	75-09-2	µg/kg	8/18/2010	1	0	0.055
200-E-115	C7682	B26C50	Methylene chloride	75-09-2	µg/kg	8/18/2010	1	0	0.065
200-E-115	C7682	B26C54	Methylene chloride	75-09-2	µg/kg	8/19/2010	1	0	0.071
200-E-115	C7682	B26JM1	Methylene chloride	75-09-2	µg/kg	8/17/2010	1	0	0.055
200-E-115	C7682	B26C47	Molybdenum	7439-98-7	µg/kg	8/18/2010	1	0	1,660
200-E-115	C7682	B26JL1	Molybdenum	7439-98-7	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
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	µg/kg	8/18/2010	1	0	192
200-E-115	C7682	B26C47	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	8/18/2010	1	0	58
200-E-115	C7682	B26C51	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	8/18/2010	1	0	58
200-E-115	C7682	B26C53	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	8/19/2010	1	0	58
200-E-115	C7682	B26JL1	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	8/17/2010	1	0	58
200-E-115	C7682	B26C47	Oxalate	338-70-5	µg/kg	8/18/2010	1	0	231
200-E-115	C7682	B26C51	Oxalate	338-70-5	µg/kg	8/18/2010	1	0	227
200-E-115	C7682	B26C53	Oxalate	338-70-5	µg/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	µg/kg	8/18/2010	1	0	63
200-E-115	C7682	B26C51	Pyrene	129-00-0	µg/kg	8/18/2010	1	0	63
200-E-115	C7682	B26C53	Pyrene	129-00-0	µg/kg	8/19/2010	1	0	62
200-E-115	C7682	B26JL1	Pyrene	129-00-0	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
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	µg/kg	8/18/2010	1	0	100
200-E-115	C7682	B26C51	Silver	7440-22-4	µg/kg	8/18/2010	1	0	100
200-E-115	C7682	B26C53	Silver	7440-22-4	µg/kg	8/19/2010	1	0	100
200-E-115	C7682	B26JL1	Silver	7440-22-4	µg/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
200-E-115	C7682	B26JL1	Thallium	7440-28-0	µg/kg	8/17/2010	1	0	100
200-E-115	C7682	B26C47	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	8/18/2010	1	0	370
200-E-115	C7682	B26C51	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	8/18/2010	1	0	350
200-E-115	C7682	B26C53	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	8/19/2010	1	0	1,300
200-E-115	C7682	B26C47	Tributyl phosphate	126-73-8	µg/kg	8/18/2010	1	0	107
200-E-115	C7682	B26C51	Tributyl phosphate	126-73-8	µg/kg	8/18/2010	1	0	108
200-E-115	C7682	B26C53	Tributyl phosphate	126-73-8	µg/kg	8/19/2010	1	0	107
200-E-115	C7682	B26JL1	Tributyl phosphate	126-73-8	µg/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	µg/kg	10/19/2001	1	0	10

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-W-54	299-W22-84	B139C3	2-Chlorophenol	95-57-8	µg/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C3	4-Chloro-3-methylphenol	59-50-7	µg/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	µg/kg	10/19/2001	1	0	34
200-W-54	299-W22-84	B139C3	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C3	Butylbenzylphthalate	85-68-7	µg/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	µg/kg	10/19/2001	1	0	450
200-W-54	299-W22-84	B139C3	Diethylphthalate	84-66-2	µg/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C3	Di-n-butylphthalate	84-74-2	µg/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	µg/kg	10/19/2001	1	0	1,290
200-W-54	299-W22-84	B139C3	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	10/19/2001	1	0	340
200-W-54	299-W22-84	B139C3	Phenol	108-95-2	µg/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	µg/kg	10/19/2001	1	0	340

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
200-W-54	299-W22-84	B139C3	Strontium	7440-24-6	µg/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	µg/kg	10/19/2001	1	0	5.0
200-W-54	299-W22-84	B139D1	Sulfide	18496-25-8	µg/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	µg/kg	10/19/2001	1	0	5.0
200-W-54	299-W22-84	B139C3	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	10/19/2001	1	0	12,300
200-W-54	299-W22-84	B139C3	Tributyl phosphate	126-73-8	µg/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	µg/kg	11/12/2015	1	0	3.4
207-A-South	207-A-1	B32HP2	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.8
207-A-South	207-A-10	B32HT6	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.1
207-A-South	207-A-10	B32HT6	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-11	B32HV0	Acetone	67-64-1	µg/kg	11/12/2015	1	0	2.7
207-A-South	207-A-11	B32HV0	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.5
207-A-South	207-A-12	B32HV2	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.2
207-A-South	207-A-12	B32HV2	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-13	B32HV4	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.1

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-A-South	207-A-13	B32HV4	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-14	B32HT4	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.1
207-A-South	207-A-14	B32HT4	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-15	B32HW0	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.1
207-A-South	207-A-15	B32HW0	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.6
207-A-South	207-A-16	B32HW2	Acetone	67-64-1	µg/kg	11/12/2015	1	0	4.0
207-A-South	207-A-16	B32HW2	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	6.7
207-A-South	207-A-17	B32HW4	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.1
207-A-South	207-A-17	B32HW4	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-18	B32HW6	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.3
207-A-South	207-A-18	B32HW6	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-19	B32HW8	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.1
207-A-South	207-A-19	B32HW8	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.6
207-A-South	207-A-2	B32HP4	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.1
207-A-South	207-A-2	B32HP4	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-20	B32HY8	Acetone	67-64-1	µg/kg	11/12/2015	1	0	2.7
207-A-South	207-A-20	B32HY8	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.5
207-A-South	207-A-3	B32HP6	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.4

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-A-South	207-A-3	B32HP6	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.8
207-A-South	207-A-4	B32HP8	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.1
207-A-South	207-A-4	B32HP8	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.6
207-A-South	207-A-5	B32HR0	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.2
207-A-South	207-A-5	B32HR0	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-6	B32HR6	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.2
207-A-South	207-A-6	B32HR6	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-7	B32HR8	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.3
207-A-South	207-A-7	B32HR8	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-8	B32HT0	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.2
207-A-South	207-A-8	B32HT0	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-9	B32HT2	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.2
207-A-South	207-A-9	B32HT2	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-CELL 1	B32HX0	Acetone	67-64-1	µg/kg	11/12/2015	1	0	2.9
207-A-South	207-A-CELL 1	B32HX0	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.6
207-A-South	207-A-CELL 2	B32HX8	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.2
207-A-South	207-A-CELL 2	B32HY0	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.7
207-A-South	207-A-CELL 3	B32HY2	Acetone	67-64-1	µg/kg	11/12/2015	1	0	3.0

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-A-South	207-A-CELL 3	B32HY2	Methylene chloride	75-09-2	µg/kg	11/12/2015	1	0	1.6
207-A-South	207-A-STOCKPILE	B32J15	Acetone	67-64-1	µg/kg	11/12/2015	1	0	2.5
207-A-South	207-A-STOCKPILE	B32J15	Methylene chloride	75-09-2	µg/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	µg/kg	9/3/2003	1	0	18
207-A-South	C4113	B17HR9	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	µg/kg	9/3/2003	1	0	36
207-A-South	C4113	B17HR8	2-Butanone	78-93-3	µg/kg	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR8	2-Chlorophenol	95-57-8	µg/kg	9/10/2003	1	0	150
207-A-South	C4113	B17HR8	4-Chloro-3-methylphenol	59-50-7	µg/kg	9/10/2003	1	0	69
207-A-South	C4113	B17HR8	Acetone	67-64-1	µg/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	µg/kg	9/10/2003	1	0	258
207-A-South	C4113	B17HR8	Antimony	7440-36-0	µg/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	µg/kg	9/10/2003	1	0	51
207-A-South	C4113	B17HR8	Arsenic	7440-38-2	µg/kg	9/10/2003	1	0	2,910
207-A-South	C4113	B17HR8	Beryllium	7440-41-7	µg/kg	9/10/2003	1	0	2,910
207-A-South	C4113	B17HR8	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	9/10/2003	1	0	580
207-A-South	C4113	B17HR8	Boron	7440-42-8	µg/kg	9/10/2003	1	0	5,070
207-A-South	C4113	B17HR8	Butylbenzylphthalate	85-68-7	µg/kg	9/10/2003	1	0	69

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-A-South	C4113	B17HR8	Cadmium	7440-43-9	µg/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	µg/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	µg/kg	9/10/2003	1	0	200
207-A-South	C4113	B17HR8	Di-n-butylphthalate	84-74-2	µg/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	µg/kg	9/10/2003	1	0	350
207-A-South	C4113	B17HR9	Hexavalent Chromium	18540-29-9	µg/kg	9/3/2003	1	0	430
207-A-South	C4113	B17HT0	Hexavalent Chromium	18540-29-9	µg/kg	9/3/2003	1	0	440
207-A-South	C4113	B17HT1	Hexavalent Chromium	18540-29-9	µg/kg	9/3/2003	1	0	420
207-A-South	C4113	B17HT2	Hexavalent Chromium	18540-29-9	µg/kg	9/10/2003	1	0	410
207-A-South	C4113	B17HR8	Lead	7439-92-1	µg/kg	9/10/2003	1	0	11,700
207-A-South	C4113	B17HR8	Mercury	7439-97-6	µg/kg	9/10/2003	1	0	971
207-A-South	C4113	B17HR8	Methylene chloride	75-09-2	µg/kg	9/10/2003	1	0	2.1

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-A-South	C4113	B17HR8	Nickel	7440-02-0	µg/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	µg/kg	9/10/2003	1	0	1,480
207-A-South	C4113	B17HR8	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	9/10/2003	1	0	69
207-A-South	C4113	B17HR8	Phenol	108-95-2	µg/kg	9/10/2003	1	0	100
207-A-South	C4113	B17HR8	Phosphate	14265-44-2	µg/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	µg/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	µg/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	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-A-South	C4113	B17HR8	Toluene	108-88-3	µg/kg	9/10/2003	1	0	2.1
207-A-South	C4113	B17HR8	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	9/10/2003	1	0	3,900
207-A-South	C4113	B17HR8	Tributyl phosphate	126-73-8	µg/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
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	µg/kg	9/10/2003	1	0	971
207-A-South	C4114	B17HX4	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	µg/kg	9/3/2003	1	0	36
207-A-South	C4114	B17HY3	2-Butanone	78-93-3	µg/kg	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	2-Chlorophenol	95-57-8	µg/kg	9/10/2003	1	0	150
207-A-South	C4114	B17HY3	4-Chloro-3-methylphenol	59-50-7	µg/kg	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Acetone	67-64-1	µg/kg	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	Ammonium ion	14798-03-9	µg/kg	9/10/2003	1	0	258
207-A-South	C4114	B17HY3	Antimony	7440-36-0	µg/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	µg/kg	9/10/2003	1	0	50
207-A-South	C4114	B17HY3	Arsenic	7440-38-2	µg/kg	9/10/2003	1	0	2,960
207-A-South	C4114	B17HY3	Beryllium	7440-41-7	µg/kg	9/10/2003	1	0	2,960
207-A-South	C4114	B17HY3	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	9/10/2003	1	0	570
207-A-South	C4114	B17HY3	Boron	7440-42-8	µg/kg	9/10/2003	1	0	5,080

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-A-South	C4114	B17HY3	Butylbenzylphthalate	85-68-7	µg/kg	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Cadmium	7440-43-9	µg/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	µg/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	µg/kg	9/10/2003	1	0	200
207-A-South	C4114	B17HY3	Di-n-butylphthalate	84-74-2	µg/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	µg/kg	9/10/2003	1	0	350
207-A-South	C4114	B17HX4	Hexavalent Chromium	18540-29-9	µg/kg	9/3/2003	1	0	440
207-A-South	C4114	B17HX5	Hexavalent Chromium	18540-29-9	µg/kg	9/3/2003	1	0	430
207-A-South	C4114	B17HX6	Hexavalent Chromium	18540-29-9	µg/kg	9/4/2003	1	0	420
207-A-South	C4114	B17HX7	Hexavalent Chromium	18540-29-9	µg/kg	9/10/2003	1	0	410
207-A-South	C4114	B17HY3	Lead	7439-92-1	µg/kg	9/10/2003	1	0	11,800
207-A-South	C4114	B17HY3	Mercury	7439-97-6	µg/kg	9/10/2003	1	0	986

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-A-South	C4114	B17HY3	Methylene chloride	75-09-2	µg/kg	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	Nickel	7440-02-0	µg/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	µg/kg	9/10/2003	1	0	1,480
207-A-South	C4114	B17HY3	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Phenol	108-95-2	µg/kg	9/10/2003	1	0	100
207-A-South	C4114	B17HY3	Phosphate	14265-44-2	µg/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	µg/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	µg/kg	9/10/2003	1	0	2,960
207-A-South	C4114	B17HY3	Silver	7440-22-4	µg/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
207-A-South	C4114	B17HY3	Styrene	100-42-5	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-A-South	C4114	B17HY3	Toluene	108-88-3	µg/kg	9/10/2003	1	0	2.1
207-A-South	C4114	B17HY3	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	9/10/2003	1	0	3,900
207-A-South	C4114	B17HY3	Tributyl phosphate	126-73-8	µg/kg	9/10/2003	1	0	68
207-A-South	C4114	B17HY3	Uranium	7440-61-1	µg/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	µg/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	µg/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	µg/kg	9/3/2003	1	0	18
207-A-South	C4115	B17HX9	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	µg/kg	9/3/2003	1	0	37
207-A-South	C4115	B17HY4	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	µg/kg	9/4/2003	1	0	35
207-A-South	C4115	B17HY9	2-Butanone	78-93-3	µg/kg	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	2-Chlorophenol	95-57-8	µg/kg	9/10/2003	1	0	150
207-A-South	C4115	B17HY9	4-Chloro-3-methylphenol	59-50-7	µg/kg	9/10/2003	1	0	68
207-A-South	C4115	B17HY9	Acetone	67-64-1	µg/kg	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	Ammonium ion	14798-03-9	µg/kg	9/10/2003	1	0	258
207-A-South	C4115	B17HY9	Antimony	7440-36-0	µg/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	µg/kg	9/10/2003	1	0	49
207-A-South	C4115	B17HY9	Arsenic	7440-38-2	µg/kg	9/10/2003	1	0	2,940

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-A-South	C4115	B17HY9	Beryllium	7440-41-7	µg/kg	9/10/2003	1	0	2,940
207-A-South	C4115	B17HY9	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	9/10/2003	1	0	570
207-A-South	C4115	B17HY9	Boron	7440-42-8	µg/kg	9/10/2003	1	0	5,100
207-A-South	C4115	B17HY9	Butylbenzylphthalate	85-68-7	µg/kg	9/10/2003	1	0	68
207-A-South	C4115	B17HY9	Cadmium	7440-43-9	µg/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	µg/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	µg/kg	9/10/2003	1	0	200
207-A-South	C4115	B17HY9	Diethylphthalate	84-66-2	µg/kg	9/10/2003	1	0	190
207-A-South	C4115	B17HY9	Di-n-butylphthalate	84-74-2	µg/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	µg/kg	9/10/2003	1	0	350
207-A-South	C4115	B17HX9	Hexavalent Chromium	18540-29-9	µg/kg	9/3/2003	1	0	450
207-A-South	C4115	B17HY4	Hexavalent Chromium	18540-29-9	µg/kg	9/4/2003	1	0	420

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-A-South	C4115	B17HY5	Hexavalent Chromium	18540-29-9	µg/kg	9/10/2003	1	0	410
207-A-South	C4115	B17J02	Hexavalent Chromium	18540-29-9	µg/kg	9/3/2003	1	0	440
207-A-South	C4115	B17HY9	Lead	7439-92-1	µg/kg	9/10/2003	1	0	11,700
207-A-South	C4115	B17HY9	Mercury	7439-97-6	µg/kg	9/10/2003	1	0	979
207-A-South	C4115	B17HY9	Methylene chloride	75-09-2	µg/kg	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	Nickel	7440-02-0	µg/kg	9/10/2003	1	0	4,900
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	µg/kg	9/10/2003	1	0	1,480
207-A-South	C4115	B17HY9	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	9/10/2003	1	0	68
207-A-South	C4115	B17HY9	Phenol	108-95-2	µg/kg	9/10/2003	1	0	100
207-A-South	C4115	B17HY9	Phosphate	14265-44-2	µg/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	µg/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	µg/kg	9/10/2003	1	0	2,940
207-A-South	C4115	B17HY9	Silver	7440-22-4	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
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	µg/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	µg/kg	9/10/2003	1	0	2.0
207-A-South	C4115	B17HY9	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	9/10/2003	1	0	3,800
207-A-South	C4115	B17HY9	Tributyl phosphate	126-73-8	µg/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	µg/kg	9/10/2003	1	0	979
207-T	299-W11-39	B10F90	2-Butanone	78-93-3	µg/kg	11/30/2000	1	0	11
207-T	299-W11-39	B10F90	2-Chlorophenol	95-57-8	µg/kg	11/30/2000	1	0	330
207-T	299-W11-39	B10F90	4-Chloro-3-methylphenol	59-50-7	µg/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	µg/kg	11/30/2000	1	0	330
207-T	299-W11-39	B10F90	Cadmium	7440-43-9	µg/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	µg/kg	11/30/2000	1	0	501

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-T	299-W11-39	B10F90	Diethylphthalate	84-66-2	µg/kg	11/30/2000	1	0	330
207-T	299-W11-39	B10F90	Di-n-butylphthalate	84-74-2	µg/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	µg/kg	11/30/2000	1	0	20
207-T	299-W11-39	B10F90	n-Nitrosodi-n-propylamine	621-64-7	µg/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	µg/kg	11/30/2000	1	0	330
207-T	299-W11-39	B10F90	Selenium	7782-49-2	µg/kg	11/30/2000	1	0	330
207-T	299-W11-39	B10F90	Silver	7440-22-4	µg/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	µg/kg	11/30/2000	1	0	6.0
207-T	299-W11-39	B10F90	Sulfide	18496-25-8	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
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	µg/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	µg/kg	9/27/2000	1	0	11
207-T	299-W11-40	B105W3	2-Chlorophenol	95-57-8	µg/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	4-Chloro-3-methylphenol	59-50-7	µg/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	Acetone	67-64-1	µg/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	µg/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	Butylbenzylphthalate	85-68-7	µg/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	Cadmium	7440-43-9	µg/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	µg/kg	9/27/2000	1	0	540
207-T	299-W11-40	B105W3	Diethylphthalate	84-66-2	µg/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	Di-n-butylphthalate	84-74-2	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
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	µg/kg	9/27/2000	1	0	20
207-T	299-W11-40	B105W3	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	Phenol	108-95-2	µg/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	µg/kg	9/27/2000	1	0	360
207-T	299-W11-40	B105W3	Selenium	7782-49-2	µg/kg	9/27/2000	1	0	440
207-T	299-W11-40	B105W3	Silver	7440-22-4	µg/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	µg/kg	9/27/2000	1	0	6.0
207-T	299-W11-40	B105W3	Sulfide	18496-25-8	µg/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	µg/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	µg/kg	8/7/2000	1	0	11
207-T/200-W-53	299-W11-41	B0YVX8	2-Chlorophenol	95-57-8	µg/kg	8/7/2000	1	0	350

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
207-T/200-W-53	299-W11-41	B0YVX8	4-Chloro-3-methylphenol	59-50-7	µg/kg	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVX8	Acetone	67-64-1	µg/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	µg/kg	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVX8	Cadmium	7440-43-9	µg/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	µg/kg	8/7/2000	1	0	490
207-T/200-W-53	299-W11-41	B0YVX8	Diethylphthalate	84-66-2	µg/kg	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVX8	Di-n-butylphthalate	84-74-2	µg/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	µg/kg	8/7/2000	1	0	20
207-T/200-W-53	299-W11-41	B0YVX8	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVX8	Phenol	108-95-2	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
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	µg/kg	8/7/2000	1	0	350
207-T/200-W-53	299-W11-41	B0YVX8	Selenium	7782-49-2	µg/kg	8/7/2000	1	0	400
207-T/200-W-53	299-W11-41	B0YVX8	Silver	7440-22-4	µg/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	µg/kg	8/7/2000	1	0	6.0
207-T/200-W-53	299-W11-41	B0YVX8	Sulfide	18496-25-8	µg/kg	8/7/2000	1	0	37,700
207-T/200-W-53	299-W11-41	B0YVX8	Toluene	108-88-3	µg/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	µg/kg	4/4/2003	1	0	17
216-A-34	C3245	B16RW4	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	µg/kg	4/4/2003	1	0	34

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
216-A-34	C3245	B16RX6	2-Chlorophenol	95-57-8	µg/kg	4/4/2003	1	0	150
216-A-34	C3245	B16RX6	4-Chloro-3-methylphenol	59-50-7	µg/kg	4/4/2003	1	0	69
216-A-34	C3245	B16RX6	Antimony	7440-36-0	µg/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	µg/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
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	µg/kg	4/4/2003	1	0	190
216-A-34	C3245	B16RX6	Diethylphthalate	84-66-2	µg/kg	4/4/2003	1	0	190
216-A-34	C3245	B16RX6	Di-n-butylphthalate	84-74-2	µg/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	µg/kg	4/4/2003	1	0	420
216-A-34	C3245	B16RX6	Mercury	7439-97-6	µg/kg	4/4/2003	1	0	48
216-A-34	C3245	B16RX6	Molybdenum	7439-98-7	µg/kg	4/4/2003	1	0	1,430
216-A-34	C3245	B16RX6	Nitrite	14797-65-0	µg/kg	4/4/2003	1	0	591
216-A-34	C3245	B16RX6	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	4/4/2003	1	0	69
216-A-34	C3245	B16RX6	Phenol	108-95-2	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
216-A-34	C3245	B16RX6	Pyrene	129-00-0	µg/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	µg/kg	4/4/2003	1	0	1,430
216-A-34	C3245	B16RX6	Silver	7440-22-4	µg/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	µg/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	µg/kg	2/11/2008	1	0	100
UPR-200-E-64	C5942	B1TFP0	Cadmium	7440-43-9	µg/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	µg/kg	2/11/2008	1	0	294
UPR-200-E-64	C5942	B1TFP0	Fluoride	16984-48-8	µg/kg	2/12/2008	1	0	300
UPR-200-E-64	C5942	B1TFN9	Mercury	7439-97-6	µg/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	µg/kg	2/11/2008	1	0	1,610
UPR-200-E-64	C5942	B1TFP0	Nitrite	14797-65-0	µg/kg	2/12/2008	1	0	1,640

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
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	µg/kg	2/11/2008	1	0	100
UPR-200-E-64	C5942	B1TFP0	Silver	7440-22-4	µg/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	µg/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	µg/kg	4/29/2008	1	0	1,010
UPR-200-E-89	299-E33-341	B1TP22	Phosphate	14265-44-2	µg/kg	4/29/2008	1	0	1,520
UPR-200-E-89	299-E33-341	B1TP22	Selenium	7782-49-2	µg/kg	4/29/2008	1	0	1,110
UPR-200-E-89	299-E33-341	B1TP22	Silver	7440-22-4	µg/kg	4/29/2008	1	0	67
UPR-200-E-89	C8706	B33B19	2-Butanone	78-93-3	µg/kg	10/22/2015	1	0	1.8
UPR-200-E-89	C8706	B33B28	2-Butanone	78-93-3	µg/kg	10/22/2015	1	0	2.0
UPR-200-E-89	C8706	B33B16	2-Chlorophenol	95-57-8	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	2-Chlorophenol	95-57-8	µg/kg	10/22/2015	1	0	104

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
UPR-200-E-89	C8706	B33B29	2-Chlorophenol	95-57-8	µg/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	4-Chloro-3-methylphenol	59-50-7	µg/kg	10/22/2015	1	0	139
UPR-200-E-89	C8706	B33B24	4-Chloro-3-methylphenol	59-50-7	µg/kg	10/22/2015	1	0	138
UPR-200-E-89	C8706	B33B29	4-Chloro-3-methylphenol	59-50-7	µg/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	µg/kg	10/22/2015	1	0	3.5
UPR-200-E-89	C8706	B33B29	Aroclor-1260	11096-82-5	µg/kg	10/22/2015	1	0	3.4
UPR-200-E-89	C8706	B33B16	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	Butylbenzylphthalate	85-68-7	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Butylbenzylphthalate	85-68-7	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Butylbenzylphthalate	85-68-7	µg/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	µg/kg	10/22/2015	1	0	78
UPR-200-E-89	C8706	B33B16	Diethylphthalate	84-66-2	µg/kg	10/22/2015	1	0	104

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
UPR-200-E-89	C8706	B33B24	Diethylphthalate	84-66-2	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Diethylphthalate	84-66-2	µg/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	Di-n-butylphthalate	84-74-2	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Di-n-butylphthalate	84-74-2	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Di-n-butylphthalate	84-74-2	µg/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	µg/kg	10/22/2015	1	0	124
UPR-200-E-89	C8706	B33B24	Mercury	7439-97-6	µg/kg	10/22/2015	1	0	3.9
UPR-200-E-89	C8706	B33B29	Mercury	7439-97-6	µg/kg	10/22/2015	1	0	3.8
UPR-200-E-89	C8706	B33B19	Methylene chloride	75-09-2	µg/kg	10/22/2015	1	0	0.95
UPR-200-E-89	C8706	B33B28	Methylene chloride	75-09-2	µg/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	µg/kg	10/22/2015	1	0	1,110
UPR-200-E-89	C8706	B33B26	Nitrite	14797-65-0	µg/kg	10/22/2015	1	0	1,110

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
UPR-200-E-89	C8706	B33B31	Nitrite	14797-65-0	µg/kg	10/22/2015	1	0	1,100
UPR-200-E-89	C8706	B33B16	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B16	Phenol	108-95-2	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Phenol	108-95-2	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Phenol	108-95-2	µg/kg	10/22/2015	1	0	103
UPR-200-E-89	C8706	B33B17	Phosphate	14265-44-2	µg/kg	10/22/2015	1	0	2,110
UPR-200-E-89	C8706	B33B22	Phosphate	14265-44-2	µg/kg	10/22/2015	1	0	2,100
UPR-200-E-89	C8706	B33B31	Phosphate	14265-44-2	µg/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	µg/kg	10/22/2015	1	0	10
UPR-200-E-89	C8706	B33B24	Pyrene	129-00-0	µg/kg	10/22/2015	1	0	10
UPR-200-E-89	C8706	B33B29	Pyrene	129-00-0	µg/kg	10/22/2015	1	0	10
UPR-200-E-89	C8706	B33B24	Silver	7440-22-4	µg/kg	10/22/2015	1	0	101

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
UPR-200-E-89	C8706	B33B29	Silver	7440-22-4	µg/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	µg/kg	10/22/2015	1	0	0.18
UPR-200-E-89	C8706	B33B28	Styrene	100-42-5	µg/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	µg/kg	10/22/2015	1	0	0.20
UPR-200-E-89	C8706	B33B16	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	10/22/2015	1	0	2,260
UPR-200-E-89	C8706	B33B24	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	10/22/2015	1	0	2,250
UPR-200-E-89	C8706	B33B16	Tributyl phosphate	126-73-8	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B24	Tributyl phosphate	126-73-8	µg/kg	10/22/2015	1	0	104
UPR-200-E-89	C8706	B33B29	Tributyl phosphate	126-73-8	µg/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	µg/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	2-Chlorophenol	95-57-8	µg/kg	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	4-Chloro-3-methylphenol	59-50-7	µg/kg	7/21/2015	1	0	141

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
UPR-200-E-89	C8707	B320P2	4-Chloro-3-methylphenol	59-50-7	µg/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	µg/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	Butylbenzylphthalate	85-68-7	µg/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Butylbenzylphthalate	85-68-7	µg/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	µg/kg	7/21/2015	1	0	63
UPR-200-E-89	C8707	B320N6	Diethylphthalate	84-66-2	µg/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Diethylphthalate	84-66-2	µg/kg	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320P2	Mercury	7439-97-6	µg/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
UPR-200-E-89	C8707	B320N7	Nitrite	14797-65-0	µg/kg	7/21/2015	1	0	1,140
UPR-200-E-89	C8707	B320P3	Nitrite	14797-65-0	µg/kg	7/21/2015	1	0	1,120
UPR-200-E-89	C8707	B320N6	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	7/21/2015	1	0	103
UPR-200-E-89	C8707	B320N6	Phenol	108-95-2	µg/kg	7/21/2015	1	0	105

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
UPR-200-E-89	C8707	B320P2	Phenol	108-95-2	µg/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	µg/kg	7/21/2015	1	0	11
UPR-200-E-89	C8707	B320P2	Pyrene	129-00-0	µg/kg	7/21/2015	1	0	10
UPR-200-E-89	C8707	B320P2	Selenium	7782-49-2	µg/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	µg/kg	7/21/2015	1	0	105
UPR-200-E-89	C8707	B320P2	Tributyl phosphate	126-73-8	µg/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	µg/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	2-Chlorophenol	95-57-8	µg/kg	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	4-Chloro-3-methylphenol	59-50-7	µg/kg	7/16/2015	1	0	140
UPR-200-E-89	C8711	B320W8	4-Chloro-3-methylphenol	59-50-7	µg/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	µg/kg	7/16/2015	1	0	105

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
UPR-200-E-89	C8711	B320W8	Boron	7440-42-8	µg/kg	7/16/2015	1	0	727
UPR-200-E-89	C8711	B320V6	Butylbenzylphthalate	85-68-7	µg/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Butylbenzylphthalate	85-68-7	µg/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	µg/kg	7/16/2015	1	0	77
UPR-200-E-89	C8711	B320V6	Diethylphthalate	84-66-2	µg/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Diethylphthalate	84-66-2	µg/kg	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	Di-n-butylphthalate	84-74-2	µg/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W3	Mercury	7439-97-6	µg/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	µg/kg	7/16/2015	1	0	1,130
UPR-200-E-89	C8711	B320W9	Nitrite	14797-65-0	µg/kg	7/16/2015	1	0	1,130
UPR-200-E-89	C8711	B320V6	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320V6	Phenol	108-95-2	µg/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Phenol	108-95-2	µg/kg	7/16/2015	1	0	104
UPR-200-E-89	C8711	B320W9	Phosphate	14265-44-2	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
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	µg/kg	7/16/2015	1	0	11
UPR-200-E-89	C8711	B320W8	Pyrene	129-00-0	µg/kg	7/16/2015	1	0	10
UPR-200-E-89	C8711	B320W8	Selenium	7782-49-2	µg/kg	7/16/2015	1	0	300
UPR-200-E-89	C8711	B320W3	Silver	7440-22-4	µg/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	µg/kg	7/16/2015	1	0	105
UPR-200-E-89	C8711	B320W8	Tributyl phosphate	126-73-8	µg/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	µg/kg	10/6/2015	1	0	105
UPR-200-E-89	C9549	B33122	4-Chloro-3-methylphenol	59-50-7	µg/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	µg/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	µg/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	µg/kg	10/6/2015	1	0	1,130

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
UPR-200-E-89	C9549	B33122	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	10/6/2015	1	0	105
UPR-200-E-89	C9549	B33122	Phenol	108-95-2	µg/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	µg/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	µg/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	µg/kg	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	4-Chloro-3-methylphenol	59-50-7	µg/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	µg/kg	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	Butylbenzylphthalate	85-68-7	µg/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	µg/kg	10/1/2015	1	0	84
UPR-200-E-89	C9550	B320W0	Diethylphthalate	84-66-2	µg/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	µg/kg	10/1/2015	1	0	1,120
UPR-200-E-89	C9550	B320W0	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	10/1/2015	1	0	105
UPR-200-E-89	C9550	B320W0	Phenol	108-95-2	µg/kg	10/1/2015	1	0	105

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
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	µg/kg	10/1/2015	1	0	11
UPR-200-E-89	C9550	B320W0	Selenium	7782-49-2	µg/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	µg/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	µg/kg	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YVY7	4-Chloro-3-methylphenol	59-50-7	µg/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	µg/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
UPR-200-W-99	299-W14-15	B0YVY7	Cyanide	57-12-5	µg/kg	8/22/2000	1	0	480
UPR-200-W-99	299-W14-15	B0YVY7	Diethylphthalate	84-66-2	µg/kg	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YVY7	Di-n-butylphthalate	84-74-2	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
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	µg/kg	8/22/2000	1	0	20
UPR-200-W-99	299-W14-15	B0YVY7	n-Nitrosodi-n-propylamine	621-64-7	µg/kg	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YVY7	Phenol	108-95-2	µg/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	µg/kg	8/22/2000	1	0	340
UPR-200-W-99	299-W14-15	B0YVY7	Selenium	7782-49-2	µg/kg	8/22/2000	1	0	400
UPR-200-W-99	299-W14-15	B0YVY7	Silver	7440-22-4	µg/kg	8/22/2000	1	0	100
UPR-200-W-99	299-W14-15	B0YVY7	Styrene	100-42-5	µg/kg	8/22/2000	1	0	6.0
UPR-200-W-99	299-W14-15	B0YVY7	Sulfide	18496-25-8	µg/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	µg/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	µg/kg	10/28/2002	1	0	12
UPR-200-W-99	299-W14-19	B15VT5	Acetone	67-64-1	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
UPR-200-W-99	299-W14-19	B15VT5	Ammonia	7664-41-7	µg/kg	10/28/2002	1	0	3,650
UPR-200-W-99	299-W14-19	B15VT5	Antimony	7440-36-0	µg/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	µg/kg	10/28/2002	1	0	38
UPR-200-W-99	299-W14-19	B15VT5	Butylbenzylphthalate	85-68-7	µg/kg	10/28/2002	1	0	380
UPR-200-W-99	299-W14-19	B15VT5	Cadmium	7440-43-9	µg/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	µg/kg	10/28/2002	1	0	550
UPR-200-W-99	299-W14-19	B15VT5	Diethylphthalate	84-66-2	µg/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	µg/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	µg/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	µg/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	µg/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

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
UPR-200-W-99	299-W14-19	B15VT5	Toluene	108-88-3	µg/kg	10/28/2002	1	0	6.0
UPR-200-W-99	299-W14-19	B15VT5	Tributyl phosphate	126-73-8	µg/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	µg/kg	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B20KP2	4-Chloro-3-methylphenol	59-50-7	µg/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	µg/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	µg/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	µg/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	µg/kg	5/12/2009	1	0	150
UPR-200-W-99	299-W14-20	B20KP2	Phenol	108-95-2	µg/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	µg/kg	5/12/2009	1	0	150

Table 6. Non-Detected Analytes by Representative Waste Site, Sample Location, and Sample Number

Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Number of Results	Number of Detects	MDL or MDA[a]
UPR-200-W-99	299-W14-20	B20KP2	Silver	7440-22-4	µg/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	µg/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

[a]MDL or MDA - method detection limit or method detection activity

Table 7. 200 IA-1 Operable Unit Analytes Removed from SLERA Based on Exclusion Criteria

Analyte	Analyte Class	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]	Basis for Exclusion
Acetate	ANION	71-50-1	µg/kg	8/17/2010	8/29/2010	5	5	100	182	520	No Toxicity Value
Chloride	ANION	16887-00-6	µg/kg	4/4/2003	10/22/2015	22	22	100	632	36,300	No Toxicity Value
Formate	ANION	FORMATE	µg/kg	8/17/2010	8/29/2010	7	7	100	170	1,850	No Toxicity Value
Oxalate	ANION	338-70-5	µg/kg	8/17/2010	8/27/2010	2	2	100	303	3,140	No Toxicity Value
Phosphate	ANION	14265-44-2	µg/kg	4/4/2003	10/6/2015	14	14	100	280	14,900	No Toxicity Value
Sulfate	ANION	14808-79-8	µg/kg	4/4/2003	10/22/2015	24	24	100	2,660	458,000	No Toxicity Value
Sulfide	ANION	18496-25-8	µg/kg	8/17/2010	8/29/2010	8	8	100	7,450	28,900	No Toxicity Value
Alkalinity	GEN CHEM	ALKALINITY	µg/kg	4/29/2008	4/29/2008	1	1	100	54,500	54,500	No Toxicity Value
Bulk density - wet	GEN CHEM	BULKDENSITY-WET	µg/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	µg/kg	4/29/2008	4/29/2008	1	1	100	700,000	700,000	No Toxicity Value
Total Inorganic Carbon	GEN CHEM	TINC	µg/kg	4/29/2008	4/29/2008	1	1	100	631,000	631,000	No Toxicity Value
2,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silvex	HERBICIDE	93-72-1	µg/kg	9/3/2003	9/3/2003	1	1	100	3.3	3.3	No Toxicity Value
2,4-D(2,4-Dichlorophenoxyacetic acid)	HERBICIDE	94-75-7	µg/kg	9/3/2003	9/3/2003	1	1	100	7.1	7.1	No Toxicity Value
Silicon	INORGANIC	7440-21-3	µg/kg	8/17/2010	8/29/2010	8	8	100	59,400	118,000	No Toxicity Value
Calcium	METAL	7440-70-2	µg/kg	10/19/2001	7/21/2015	12	12	100	3.66E+06	1.98E+07	Essential Nutrient
Cerium	METAL	7440-45-1	µg/kg	8/17/2010	8/29/2010	8	8	100	18,200	31,300	No Toxicity Value
Iron	METAL	7439-89-6	µg/kg	10/19/2001	7/21/2015	12	12	100	1.43E+07	3.30E+07	No Toxicity Value
Lanthanum	METAL	7439-91-0	µg/kg	8/17/2010	8/29/2010	8	8	100	7,930	13,000	No Toxicity Value
Magnesium	METAL	7439-95-4	µg/kg	10/19/2001	7/21/2015	12	12	100	3.38E+06	5.10E+06	Essential Nutrient
Phosphorus	METAL	7723-14-0	µg/kg	8/17/2010	8/29/2010	8	8	100	702,000	1.35E+06	No Toxicity Value
Potassium	METAL	7440-09-7	µg/kg	10/19/2001	8/29/2010	10	10	100	586,000	1.51E+06	Essential Nutrient
Sodium	METAL	7440-23-5	µg/kg	10/19/2001	8/29/2010	10	10	100	205,000	627,000	Essential Nutrient
Sulfur	METAL	7704-34-9	µg/kg	8/17/2010	8/29/2010	8	8	100	45,800	145,000	No Toxicity Value
Thorium	METAL	7440-29-1	µg/kg	4/4/2003	7/21/2015	3	3	100	2,240	3,490	No Toxicity Value
Titanium	METAL	7440-32-6	µg/kg	8/17/2010	8/29/2010	8	8	100	537,000	2.44E+06	No Toxicity Value
Tungsten	METAL	7440-33-7	µg/kg	8/26/2010	8/26/2010	1	1	100	39,500	39,500	No Toxicity Value
Yttrium	METAL	7440-65-5	µg/kg	8/17/2010	8/29/2010	8	8	100	7,230	15,900	No Toxicity Value
Zirconium	METAL	7440-67-7	µg/kg	8/17/2010	8/29/2010	8	8	100	5,790	19,300	No Toxicity Value
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	PCB	2051-24-3	µg/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	µg/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	µg/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	µg/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	µg/kg	8/26/2010	8/26/2010	1	1	100	0.027	0.027	No Toxicity Value

Table 7. 200 IA-1 Operable Unit Analytes Removed from SLERA Based on Exclusion Criteria

Analyte	Analyte Class	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]	Basis for Exclusion
2,2',3,3',4,4',5,6-Octachlorobiphenyl	PCB	52663-78-2	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	8/17/2010	8/17/2010	1	1	100	4.40E-04	4.40E-04	No Toxicity Value
2,3,3',4,4'-Pentachlorobiphenyl	PCB	32598-14-4	µg/kg	8/17/2010	8/26/2010	3	3	100	4.80E-04	0.0012	No Toxicity Value
2,3,3',4'-Tetrachlorobiphenyl	PCB	41464-43-1	µg/kg	8/17/2010	8/26/2010	2	2	100	6.30E-04	6.60E-04	No Toxicity Value
2,3',4,4',5-Pentachlorobiphenyl	PCB	31508-00-6	µg/kg	8/17/2010	8/29/2010	6	6	100	5.00E-04	0.0032	No Toxicity Value
2,3',4,4'-Tetrachlorobiphenyl	PCB	32598-10-0	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/kg	8/19/2010	8/19/2010	1	1	100	0.0021	0.0021	No Toxicity Value
2,4'-Dichlorobiphenyl	PCB	34883-43-7	µg/kg	8/17/2010	8/29/2010	7	7	100	0.0013	0.0021	No Toxicity Value
2-Monochlorobiphenyl	PCB	2051-60-7	µg/kg	8/18/2010	8/18/2010	1	1	100	3.20E-04	3.20E-04	No Toxicity Value
3,3',4,4',5,5'-Hexachlorobiphenyl	PCB	32774-16-6	µg/kg	8/26/2010	8/26/2010	1	1	100	0.0015	0.0015	No Toxicity Value
3,3',4,4',5-Pentachlorobiphenyl	PCB	57465-28-8	µg/kg	8/26/2010	8/26/2010	1	1	100	4.30E-04	4.30E-04	No Toxicity Value
3,3'-Dichlorobiphenyl	PCB	2050-67-1	µg/kg	8/17/2010	8/29/2010	8	8	100	0.0036	0.0078	No Toxicity Value

Table 7. 200 IA-1 Operable Unit Analytes Removed from SLERA Based on Exclusion Criteria

Analyte	Analyte Class	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]	Basis for Exclusion
3,4,4'-Trichlorobiphenyl	PCB	38444-90-5	µg/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	µg/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	µg/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+	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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	µg/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+	µg/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	µg/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
Nickel-63	RAD	13981-37-8	pCi/g	4/4/2003	4/4/2003	1	1	100	16	16	No Toxicity Value
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
Selenium-79	RAD	15758-45-9	pCi/g	8/27/2010	8/29/2010	2	2	100	2.2	2.6	No Toxicity Value

Table 7. 200 IA-1 Operable Unit Analytes Removed from SLERA Based on Exclusion Criteria

Analyte	Analyte Class	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA[a]	Maximum MDL or MDA[a]	Basis for Exclusion
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
Amylene Hydrate	SVOC	75-85-4	µg/kg	8/17/2010	8/29/2010	4	4	100	210	260	No Toxicity Value
Butylbenzylphthalate	SVOC	85-68-7	µg/kg	8/19/2010	8/19/2010	1	1	100	200	200	No Toxicity Value
Diethylphthalate	SVOC	84-66-2	µg/kg	9/10/2003	9/10/2003	2	2	100	210	260	No Toxicity Value
Di-n-butylphthalate	SVOC	84-74-2	µg/kg	10/28/2002	10/6/2015	7	7	100	43	570	No Toxicity Value
Isopropenyl methyl ketone	SVOC	814-78-8	µg/kg	8/17/2010	8/17/2010	1	1	100	250	250	No Toxicity Value
n-Butyl benzenesulfonamide	SVOC	3622-84-2	µg/kg	4/4/2003	4/4/2003	1	1	100	2,900	2,900	No Toxicity Value
n-Nitrosodi-n-propylamine	SVOC	621-64-7	µg/kg	10/28/2002	10/28/2002	1	1	100	19	19	No Toxicity Value
Tributyl phosphate	SVOC	126-73-8	µg/kg	4/4/2003	4/4/2003	1	1	100	280,000	280,000	No Toxicity Value
2-Chlorophenol	VOC	95-57-8	µg/kg	10/28/2002	10/28/2002	1	1	100	23	23	No Toxicity Value
4-Chloro-3-methylphenol	VOC	59-50-7	µg/kg	10/28/2002	10/28/2002	1	1	100	22	22	No Toxicity Value
Acetone	VOC	67-64-1	µg/kg	8/22/2000	10/22/2015	5	5	100	2.4	44	No Toxicity Value
Cyclohexane, 2-Butyl-1,1,3-trimethyl-	VOC	54676-39-0	µg/kg	4/4/2003	4/4/2003	1	1	100	1,100	1,100	No Toxicity Value
Cyclotetrasiloxane, Octamethyl	VOC	556-67-2	µg/kg	4/4/2003	4/4/2003	1	1	100	35	35	No Toxicity Value
Decahydro-2,6-dimethyl-naphthalene	VOC	1618-22-0	µg/kg	4/4/2003	4/4/2003	1	1	100	1,100	1,100	No Toxicity Value
Diisobutyl Phthalate	VOC	84-69-5	µg/kg	8/17/2010	8/29/2010	7	7	100	210	740	No Toxicity Value
Styrene	VOC	100-42-5	µg/kg	8/17/2010	8/29/2010	7	7	100	0.27	0.46	No Toxicity Value

[a]MDL or MDA - method detection limit or method detection activity

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
200-E-115	C7680	B26C26	Aluminum	7429-90-5	µg/kg	8/27/2010	7.73E+06	1.18E+07	No	Excluded from SLERA
200-E-115	C7680	B26C28	Aluminum	7429-90-5	µg/kg	8/29/2010	4.59E+06	1.18E+07	No	Excluded from SLERA
200-E-115	C7680	B26C30	Aluminum	7429-90-5	µg/kg	8/29/2010	6.93E+06	1.18E+07	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Aluminum	7429-90-5	µg/kg	8/26/2010	7.31E+06	1.18E+07	No	Excluded from SLERA
200-E-115	C7680	B26C28	Ammonium ion	14798-03-9	µg/kg	8/29/2010	1,350	--	--	Retained for SLERA
200-E-115	C7680	B26JK8	Ammonium ion	14798-03-9	µg/kg	8/26/2010	6,220	--	--	Retained for SLERA
200-E-115	C7680	B26C26	Antimony	7440-36-0	µg/kg	8/27/2010	202	130	Yes	Retained for SLERA
200-E-115	C7680	B26C28	Antimony	7440-36-0	µg/kg	8/29/2010	78	130	No	Excluded from SLERA
200-E-115	C7680	B26C30	Antimony	7440-36-0	µg/kg	8/29/2010	111	130	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Antimony	7440-36-0	µg/kg	8/26/2010	214	130	Yes	Retained for SLERA
200-E-115	C7680	B26C26	Arsenic	7440-38-2	µg/kg	8/27/2010	3,670	20,000	No	Excluded from SLERA
200-E-115	C7680	B26C28	Arsenic	7440-38-2	µg/kg	8/29/2010	3,030	20,000	No	Excluded from SLERA
200-E-115	C7680	B26C30	Arsenic	7440-38-2	µg/kg	8/29/2010	2,950	20,000	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Arsenic	7440-38-2	µg/kg	8/26/2010	4,920	20,000	No	Excluded from SLERA
200-E-115	C7680	B26C26	Barium	7440-39-3	µg/kg	8/27/2010	80,600	132,000	No	Excluded from SLERA
200-E-115	C7680	B26C28	Barium	7440-39-3	µg/kg	8/29/2010	75,900	132,000	No	Excluded from SLERA
200-E-115	C7680	B26C30	Barium	7440-39-3	µg/kg	8/29/2010	89,700	132,000	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Barium	7440-39-3	µg/kg	8/26/2010	77,700	132,000	No	Excluded from SLERA
200-E-115	C7680	B26C26	Beryllium	7440-41-7	µg/kg	8/27/2010	199	1,510	No	Excluded from SLERA
200-E-115	C7680	B26C30	Beryllium	7440-41-7	µg/kg	8/29/2010	136	1,510	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Beryllium	7440-41-7	µg/kg	8/26/2010	190	1,510	No	Excluded from SLERA
200-E-115	C7680	B26C26	Cadmium	7440-43-9	µg/kg	8/27/2010	88	563	No	Excluded from SLERA
200-E-115	C7680	B26C28	Cadmium	7440-43-9	µg/kg	8/29/2010	70	563	No	Excluded from SLERA
200-E-115	C7680	B26C30	Cadmium	7440-43-9	µg/kg	8/29/2010	66	563	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Cadmium	7440-43-9	µg/kg	8/26/2010	85	563	No	Excluded from SLERA
200-E-115	C7680	B26C26	Chromium	7440-47-3	µg/kg	8/27/2010	10,100	18,500	No	Excluded from SLERA
200-E-115	C7680	B26C28	Chromium	7440-47-3	µg/kg	8/29/2010	5,340	18,500	No	Excluded from SLERA
200-E-115	C7680	B26C30	Chromium	7440-47-3	µg/kg	8/29/2010	26,800	18,500	Yes	Retained for SLERA
200-E-115	C7680	B26JK8	Chromium	7440-47-3	µg/kg	8/26/2010	9,090	18,500	No	Excluded from SLERA
200-E-115	C7680	B26C26	Cobalt	7440-48-4	µg/kg	8/27/2010	7,990	15,700	No	Excluded from SLERA
200-E-115	C7680	B26C28	Cobalt	7440-48-4	µg/kg	8/29/2010	11,300	15,700	No	Excluded from SLERA
200-E-115	C7680	B26C30	Cobalt	7440-48-4	µg/kg	8/29/2010	10,300	15,700	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Cobalt	7440-48-4	µg/kg	8/26/2010	8,140	15,700	No	Excluded from SLERA
200-E-115	C7680	B26C26	Copper	7440-50-8	µg/kg	8/27/2010	9,970	22,000	No	Excluded from SLERA
200-E-115	C7680	B26C28	Copper	7440-50-8	µg/kg	8/29/2010	13,500	22,000	No	Excluded from SLERA
200-E-115	C7680	B26C30	Copper	7440-50-8	µg/kg	8/29/2010	11,200	22,000	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Copper	7440-50-8	µg/kg	8/26/2010	11,300	22,000	No	Excluded from SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
200-E-115	C7680	B26C26	Fluoride	16984-48-8	µg/kg	8/27/2010	1,070	2,810	No	Excluded from SLERA
200-E-115	C7680	B26C28	Fluoride	16984-48-8	µg/kg	8/29/2010	372	2,810	No	Excluded from SLERA
200-E-115	C7680	B26C30	Fluoride	16984-48-8	µg/kg	8/29/2010	1,500	2,810	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Fluoride	16984-48-8	µg/kg	8/26/2010	846	2,810	No	Excluded from SLERA
200-E-115	C7680	B26C26	Lead	7439-92-1	µg/kg	8/27/2010	5,150	10,200	No	Excluded from SLERA
200-E-115	C7680	B26C28	Lead	7439-92-1	µg/kg	8/29/2010	2,460	10,200	No	Excluded from SLERA
200-E-115	C7680	B26C30	Lead	7439-92-1	µg/kg	8/29/2010	3,370	10,200	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Lead	7439-92-1	µg/kg	8/26/2010	5,330	10,200	No	Excluded from SLERA
200-E-115	C7680	B26C26	Lithium	7439-93-2	µg/kg	8/27/2010	7,230	13,300	No	Excluded from SLERA
200-E-115	C7680	B26C28	Lithium	7439-93-2	µg/kg	8/29/2010	3,560	13,300	No	Excluded from SLERA
200-E-115	C7680	B26C30	Lithium	7439-93-2	µg/kg	8/29/2010	6,800	13,300	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Lithium	7439-93-2	µg/kg	8/26/2010	7,810	13,300	No	Excluded from SLERA
200-E-115	C7680	B26C26	Manganese	7439-96-5	µg/kg	8/27/2010	346,000	512,000	No	Excluded from SLERA
200-E-115	C7680	B26C28	Manganese	7439-96-5	µg/kg	8/29/2010	387,000	512,000	No	Excluded from SLERA
200-E-115	C7680	B26C30	Manganese	7439-96-5	µg/kg	8/29/2010	424,000	512,000	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Manganese	7439-96-5	µg/kg	8/26/2010	332,000	512,000	No	Excluded from SLERA
200-E-115	C7680	B26C26	Nickel	7440-02-0	µg/kg	8/27/2010	8,650	19,100	No	Excluded from SLERA
200-E-115	C7680	B26C28	Nickel	7440-02-0	µg/kg	8/29/2010	6,610	19,100	No	Excluded from SLERA
200-E-115	C7680	B26C30	Nickel	7440-02-0	µg/kg	8/29/2010	18,300	19,100	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Nickel	7440-02-0	µg/kg	8/26/2010	11,100	19,100	No	Excluded from SLERA
200-E-115	C7680	B26C26	Nitrate	14797-55-8	µg/kg	8/27/2010	11,200	52,000	No	Excluded from SLERA
200-E-115	C7680	B26C28	Nitrate	14797-55-8	µg/kg	8/29/2010	2,750	52,000	No	Excluded from SLERA
200-E-115	C7680	B26C30	Nitrate	14797-55-8	µg/kg	8/29/2010	7,740	52,000	No	Excluded from SLERA
200-E-115	C7680	B26JK9	Nitrate	14797-55-8	µg/kg	8/26/2010	11,500	52,000	No	Excluded from SLERA
200-E-115	C7680	B26C26	Nitrite	14797-65-0	µg/kg	8/27/2010	736	--	--	Retained for SLERA
200-E-115	C7680	B26C28	Nitrite	14797-65-0	µg/kg	8/29/2010	613	--	--	Retained for SLERA
200-E-115	C7680	B26C30	Nitrite	14797-65-0	µg/kg	8/29/2010	1,120	--	--	Retained for SLERA
200-E-115	C7680	B26JK8	Nitrite	14797-65-0	µg/kg	8/26/2010	232	--	--	Retained for SLERA
200-E-115	C7680	B26C26	Selenium	7782-49-2	µg/kg	8/27/2010	523	780	No	Excluded from SLERA
200-E-115	C7680	B26C28	Selenium	7782-49-2	µg/kg	8/29/2010	965	780	Yes	Retained for SLERA
200-E-115	C7680	B26C30	Selenium	7782-49-2	µg/kg	8/29/2010	602	780	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Selenium	7782-49-2	µg/kg	8/26/2010	615	780	No	Excluded from SLERA
200-E-115	C7680	B26C26	Silver	7440-22-4	µg/kg	8/27/2010	62	167	No	Excluded from SLERA
200-E-115	C7680	B26C28	Silver	7440-22-4	µg/kg	8/29/2010	59	167	No	Excluded from SLERA
200-E-115	C7680	B26C30	Silver	7440-22-4	µg/kg	8/29/2010	62	167	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Silver	7440-22-4	µg/kg	8/26/2010	67	167	No	Excluded from SLERA
200-E-115	C7680	B26C26	Strontium	7440-24-6	µg/kg	8/27/2010	23,700	--	--	Retained for SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
200-E-115	C7680	B26C28	Strontium	7440-24-6	µg/kg	8/29/2010	20,200	--	--	Retained for SLERA
200-E-115	C7680	B26C30	Strontium	7440-24-6	µg/kg	8/29/2010	35,100	--	--	Retained for SLERA
200-E-115	C7680	B26JK8	Strontium	7440-24-6	µg/kg	8/26/2010	32,600	--	--	Retained for SLERA
200-E-115	C7680	B26C26	Thallium	7440-28-0	µg/kg	8/27/2010	83	185	No	Excluded from SLERA
200-E-115	C7680	B26C28	Thallium	7440-28-0	µg/kg	8/29/2010	55	185	No	Excluded from SLERA
200-E-115	C7680	B26C30	Thallium	7440-28-0	µg/kg	8/29/2010	77	185	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Thallium	7440-28-0	µg/kg	8/26/2010	80	185	No	Excluded from SLERA
200-E-115	C7680	B26C27	Toluene	108-88-3	µg/kg	8/27/2010	0.39	--	--	Retained for SLERA
200-E-115	C7680	B26C31	Toluene	108-88-3	µg/kg	8/29/2010	0.60	--	--	Retained for SLERA
200-E-115	C7680	B26JL8	Toluene	108-88-3	µg/kg	8/26/2010	0.27	--	--	Retained for SLERA
200-E-115	C7680	B26C26	Vanadium	7440-62-2	µg/kg	8/27/2010	52,300	85,100	No	Excluded from SLERA
200-E-115	C7680	B26C28	Vanadium	7440-62-2	µg/kg	8/29/2010	82,600	85,100	No	Excluded from SLERA
200-E-115	C7680	B26C30	Vanadium	7440-62-2	µg/kg	8/29/2010	75,100	85,100	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Vanadium	7440-62-2	µg/kg	8/26/2010	53,400	85,100	No	Excluded from SLERA
200-E-115	C7680	B26C26	Zinc	7440-66-6	µg/kg	8/27/2010	42,400	67,800	No	Excluded from SLERA
200-E-115	C7680	B26C28	Zinc	7440-66-6	µg/kg	8/29/2010	53,000	67,800	No	Excluded from SLERA
200-E-115	C7680	B26C30	Zinc	7440-66-6	µg/kg	8/29/2010	42,800	67,800	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Zinc	7440-66-6	µg/kg	8/26/2010	43,000	67,800	No	Excluded from SLERA
200-E-115	C7680	B26JK8	Tritium	10028-17-8	pCi/g	8/26/2010	45	--	--	Retained for SLERA
200-E-115	C7682	B26C47	Aluminum	7429-90-5	µg/kg	8/18/2010	5.64E+06	1.18E+07	No	Excluded from SLERA
200-E-115	C7682	B26C51	Aluminum	7429-90-5	µg/kg	8/18/2010	6.03E+06	1.18E+07	No	Excluded from SLERA
200-E-115	C7682	B26C53	Aluminum	7429-90-5	µg/kg	8/19/2010	6.38E+06	1.18E+07	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Aluminum	7429-90-5	µg/kg	8/17/2010	6.10E+06	1.18E+07	No	Excluded from SLERA
200-E-115	C7682	B26C47	Ammonium ion	14798-03-9	µg/kg	8/18/2010	8,850	--	--	Retained for SLERA
200-E-115	C7682	B26C51	Ammonium ion	14798-03-9	µg/kg	8/18/2010	1,280	--	--	Retained for SLERA
200-E-115	C7682	B26C53	Ammonium ion	14798-03-9	µg/kg	8/19/2010	987	--	--	Retained for SLERA
200-E-115	C7682	B26JL1	Ammonium ion	14798-03-9	µg/kg	8/17/2010	22,800	--	--	Retained for SLERA
200-E-115	C7682	B26C47	Antimony	7440-36-0	µg/kg	8/18/2010	420	130	Yes	Retained for SLERA
200-E-115	C7682	B26C51	Antimony	7440-36-0	µg/kg	8/18/2010	110	130	No	Excluded from SLERA
200-E-115	C7682	B26C53	Antimony	7440-36-0	µg/kg	8/19/2010	90	130	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Antimony	7440-36-0	µg/kg	8/17/2010	218	130	Yes	Retained for SLERA
200-E-115	C7682	B26C47	Arsenic	7440-38-2	µg/kg	8/18/2010	5,000	20,000	No	Excluded from SLERA
200-E-115	C7682	B26C51	Arsenic	7440-38-2	µg/kg	8/18/2010	3,000	20,000	No	Excluded from SLERA
200-E-115	C7682	B26C53	Arsenic	7440-38-2	µg/kg	8/19/2010	2,000	20,000	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Arsenic	7440-38-2	µg/kg	8/17/2010	7,000	20,000	No	Excluded from SLERA
200-E-115	C7682	B26C47	Barium	7440-39-3	µg/kg	8/18/2010	71,000	132,000	No	Excluded from SLERA
200-E-115	C7682	B26C51	Barium	7440-39-3	µg/kg	8/18/2010	89,600	132,000	No	Excluded from SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
200-E-115	C7682	B26C53	Barium	7440-39-3	µg/kg	8/19/2010	103,000	132,000	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Barium	7440-39-3	µg/kg	8/17/2010	82,200	132,000	No	Excluded from SLERA
200-E-115	C7682	B26C47	Beryllium	7440-41-7	µg/kg	8/18/2010	204	1,510	No	Excluded from SLERA
200-E-115	C7682	B26C51	Beryllium	7440-41-7	µg/kg	8/18/2010	159	1,510	No	Excluded from SLERA
200-E-115	C7682	B26C53	Beryllium	7440-41-7	µg/kg	8/19/2010	190	1,510	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Beryllium	7440-41-7	µg/kg	8/17/2010	212	1,510	No	Excluded from SLERA
200-E-115	C7682	B26C47	Cadmium	7440-43-9	µg/kg	8/18/2010	196	563	No	Excluded from SLERA
200-E-115	C7682	B26C51	Cadmium	7440-43-9	µg/kg	8/18/2010	136	563	No	Excluded from SLERA
200-E-115	C7682	B26C53	Cadmium	7440-43-9	µg/kg	8/19/2010	127	563	No	Excluded from SLERA
200-E-115	C7682	B26JL0	Cadmium	7440-43-9	µg/kg	8/17/2010	100	563	No	Excluded from SLERA
200-E-115	C7682	B26C47	Chromium	7440-47-3	µg/kg	8/18/2010	7,710	18,500	No	Excluded from SLERA
200-E-115	C7682	B26C51	Chromium	7440-47-3	µg/kg	8/18/2010	10,100	18,500	No	Excluded from SLERA
200-E-115	C7682	B26C53	Chromium	7440-47-3	µg/kg	8/19/2010	14,900	18,500	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Chromium	7440-47-3	µg/kg	8/17/2010	7,550	18,500	No	Excluded from SLERA
200-E-115	C7682	B26C47	Cobalt	7440-48-4	µg/kg	8/18/2010	6,680	15,700	No	Excluded from SLERA
200-E-115	C7682	B26C51	Cobalt	7440-48-4	µg/kg	8/18/2010	9,840	15,700	No	Excluded from SLERA
200-E-115	C7682	B26C53	Cobalt	7440-48-4	µg/kg	8/19/2010	10,600	15,700	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Cobalt	7440-48-4	µg/kg	8/17/2010	7,850	15,700	No	Excluded from SLERA
200-E-115	C7682	B26C47	Copper	7440-50-8	µg/kg	8/18/2010	11,900	22,000	No	Excluded from SLERA
200-E-115	C7682	B26C51	Copper	7440-50-8	µg/kg	8/18/2010	11,300	22,000	No	Excluded from SLERA
200-E-115	C7682	B26C53	Copper	7440-50-8	µg/kg	8/19/2010	11,300	22,000	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Copper	7440-50-8	µg/kg	8/17/2010	11,800	22,000	No	Excluded from SLERA
200-E-115	C7682	B26C47	Fluoride	16984-48-8	µg/kg	8/18/2010	1,600	2,810	No	Excluded from SLERA
200-E-115	C7682	B26C51	Fluoride	16984-48-8	µg/kg	8/18/2010	1,450	2,810	No	Excluded from SLERA
200-E-115	C7682	B26C53	Fluoride	16984-48-8	µg/kg	8/19/2010	1,490	2,810	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Fluoride	16984-48-8	µg/kg	8/17/2010	2,100	2,810	No	Excluded from SLERA
200-E-115	C7682	B26C47	Lead	7439-92-1	µg/kg	8/18/2010	11,300	10,200	Yes	Retained for SLERA
200-E-115	C7682	B26C51	Lead	7439-92-1	µg/kg	8/18/2010	6,860	10,200	No	Excluded from SLERA
200-E-115	C7682	B26C53	Lead	7439-92-1	µg/kg	8/19/2010	6,640	10,200	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Lead	7439-92-1	µg/kg	8/17/2010	7,000	10,200	No	Excluded from SLERA
200-E-115	C7682	B26C47	Lithium	7439-93-2	µg/kg	8/18/2010	6,570	13,300	No	Excluded from SLERA
200-E-115	C7682	B26C51	Lithium	7439-93-2	µg/kg	8/18/2010	5,990	13,300	No	Excluded from SLERA
200-E-115	C7682	B26C53	Lithium	7439-93-2	µg/kg	8/19/2010	7,040	13,300	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Lithium	7439-93-2	µg/kg	8/17/2010	8,010	13,300	No	Excluded from SLERA
200-E-115	C7682	B26C47	Manganese	7439-96-5	µg/kg	8/18/2010	270,000	512,000	No	Excluded from SLERA
200-E-115	C7682	B26C51	Manganese	7439-96-5	µg/kg	8/18/2010	383,000	512,000	No	Excluded from SLERA
200-E-115	C7682	B26C53	Manganese	7439-96-5	µg/kg	8/19/2010	465,000	512,000	No	Excluded from SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
200-E-115	C7682	B26JL1	Manganese	7439-96-5	µg/kg	8/17/2010	332,000	512,000	No	Excluded from SLERA
200-E-115	C7682	B26C51	Molybdenum	7439-98-7	µg/kg	8/18/2010	1,980	470	Yes	Retained for SLERA
200-E-115	C7682	B26C53	Molybdenum	7439-98-7	µg/kg	8/19/2010	2,000	470	Yes	Retained for SLERA
200-E-115	C7682	B26C47	Nickel	7440-02-0	µg/kg	8/18/2010	8,930	19,100	No	Excluded from SLERA
200-E-115	C7682	B26C51	Nickel	7440-02-0	µg/kg	8/18/2010	10,400	19,100	No	Excluded from SLERA
200-E-115	C7682	B26C53	Nickel	7440-02-0	µg/kg	8/19/2010	12,300	19,100	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Nickel	7440-02-0	µg/kg	8/17/2010	9,610	19,100	No	Excluded from SLERA
200-E-115	C7682	B26C47	Nitrate	14797-55-8	µg/kg	8/18/2010	23,800	52,000	No	Excluded from SLERA
200-E-115	C7682	B26C51	Nitrate	14797-55-8	µg/kg	8/18/2010	12,200	52,000	No	Excluded from SLERA
200-E-115	C7682	B26C53	Nitrate	14797-55-8	µg/kg	8/19/2010	12,800	52,000	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Nitrate	14797-55-8	µg/kg	8/17/2010	54,600	52,000	Yes	Retained for SLERA
200-E-115	C7682	B26C51	Nitrite	14797-65-0	µg/kg	8/18/2010	1,850	--	--	Retained for SLERA
200-E-115	C7682	B26C53	Nitrite	14797-65-0	µg/kg	8/19/2010	1,340	--	--	Retained for SLERA
200-E-115	C7682	B26JL1	Nitrite	14797-65-0	µg/kg	8/17/2010	1,210	--	--	Retained for SLERA
200-E-115	C7682	B26C47	Selenium	7782-49-2	µg/kg	8/18/2010	1,000	780	Yes	Retained for SLERA
200-E-115	C7682	B26C51	Selenium	7782-49-2	µg/kg	8/18/2010	1,000	780	Yes	Retained for SLERA
200-E-115	C7682	B26C53	Selenium	7782-49-2	µg/kg	8/19/2010	1,000	780	Yes	Retained for SLERA
200-E-115	C7682	B26JL1	Selenium	7782-49-2	µg/kg	8/17/2010	1,000	780	Yes	Retained for SLERA
200-E-115	C7682	B26C47	Strontium	7440-24-6	µg/kg	8/18/2010	21,500	--	--	Retained for SLERA
200-E-115	C7682	B26C51	Strontium	7440-24-6	µg/kg	8/18/2010	31,100	--	--	Retained for SLERA
200-E-115	C7682	B26C53	Strontium	7440-24-6	µg/kg	8/19/2010	37,700	--	--	Retained for SLERA
200-E-115	C7682	B26JL1	Strontium	7440-24-6	µg/kg	8/17/2010	30,500	--	--	Retained for SLERA
200-E-115	C7682	B26C47	Thallium	7440-28-0	µg/kg	8/18/2010	180	185	No	Excluded from SLERA
200-E-115	C7682	B26C51	Thallium	7440-28-0	µg/kg	8/18/2010	194	185	Yes	Retained for SLERA
200-E-115	C7682	B26C53	Thallium	7440-28-0	µg/kg	8/19/2010	177	185	No	Excluded from SLERA
200-E-115	C7682	B26C48	Toluene	108-88-3	µg/kg	8/18/2010	0.31	--	--	Retained for SLERA
200-E-115	C7682	B26C50	Toluene	108-88-3	µg/kg	8/18/2010	0.35	--	--	Retained for SLERA
200-E-115	C7682	B26C54	Toluene	108-88-3	µg/kg	8/19/2010	1.1	--	--	Retained for SLERA
200-E-115	C7682	B26JM0	Toluene	108-88-3	µg/kg	8/17/2010	0.39	--	--	Retained for SLERA
200-E-115	C7682	B26JL1	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	8/17/2010	12,000	--	--	Retained for SLERA
200-E-115	C7682	B26C47	Vanadium	7440-62-2	µg/kg	8/18/2010	24,500	85,100	No	Excluded from SLERA
200-E-115	C7682	B26C51	Vanadium	7440-62-2	µg/kg	8/18/2010	52,300	85,100	No	Excluded from SLERA
200-E-115	C7682	B26C53	Vanadium	7440-62-2	µg/kg	8/19/2010	53,800	85,100	No	Excluded from SLERA
200-E-115	C7682	B26JL1	Vanadium	7440-62-2	µg/kg	8/17/2010	27,000	85,100	No	Excluded from SLERA
200-E-115	C7682	B26C47	Zinc	7440-66-6	µg/kg	8/18/2010	29,500	67,800	No	Excluded from SLERA
200-E-115	C7682	B26C51	Zinc	7440-66-6	µg/kg	8/18/2010	36,100	67,800	No	Excluded from SLERA
200-E-115	C7682	B26C53	Zinc	7440-66-6	µg/kg	8/19/2010	38,100	67,800	No	Excluded from SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
200-E-115	C7682	B26JL1	Zinc	7440-66-6	µg/kg	8/17/2010	36,400	67,800	No	Excluded from SLERA
200-E-115	C7682	B26C47	Carbon-14	14762-75-5	pCi/g	8/18/2010	3.5	--	--	Retained for SLERA
200-E-115	C7682	B26C51	Tritium	10028-17-8	pCi/g	8/18/2010	1.7	--	--	Retained for SLERA
200-E-115	C7682	B26C53	Tritium	10028-17-8	pCi/g	8/19/2010	3.0	--	--	Retained for SLERA
200-E-115	C7682	B26JL1	Tritium	10028-17-8	pCi/g	8/17/2010	1.7	--	--	Retained for SLERA
200-W-54	299-W22-84	B139C3	Aluminum	7429-90-5	µg/kg	10/19/2001	8.15E+06	1.18E+07	No	Excluded from SLERA
200-W-54	299-W22-84	B139C3	Ammonia	7664-41-7	µg/kg	10/19/2001	18,400	9,230	Yes	Retained for SLERA
200-W-54	299-W22-84	B139C3	Copper	7440-50-8	µg/kg	10/19/2001	15,700	22,000	No	Excluded from SLERA
200-W-54	299-W22-84	B139D1	Hexavalent Chromium	18540-29-9	µg/kg	10/19/2001	490	--	--	Retained for SLERA
200-W-54	299-W22-84	B139D1	Manganese	7439-96-5	µg/kg	10/19/2001	438,000	512,000	No	Excluded from SLERA
200-W-54	299-W22-84	B139D1	Methylene chloride	75-09-2	µg/kg	10/19/2001	11	--	--	Retained for SLERA
200-W-54	299-W22-84	B139D1	Molybdenum	7439-98-7	µg/kg	10/19/2001	530	470	Yes	Retained for SLERA
200-W-54	299-W22-84	B139C3	Nitrate	14797-55-8	µg/kg	10/19/2001	5,680	52,000	No	Excluded from SLERA
200-W-54	299-W22-84	B139C3	Tin	7440-31-5	µg/kg	10/19/2001	1,900	--	--	Retained for SLERA
200-W-54	299-W22-84	B139C3	Cesium-137	10045-97-3	pCi/g	10/19/2001	0.047	1.1	No	Excluded from SLERA
200-W-54	299-W22-84	B139C3	Uranium-233/234	U-233/234	pCi/g	10/19/2001	0.66	1.1	No	Excluded from SLERA
200-W-54	299-W22-84	B139C3	Uranium-238	U-238	pCi/g	10/19/2001	0.51	1.1	No	Excluded from SLERA
207-A-South	C4113	B17HR8	Barium	7440-39-3	µg/kg	9/10/2003	21,700	132,000	No	Excluded from SLERA
207-A-South	C4113	B17HR8	Copper	7440-50-8	µg/kg	9/10/2003	10,700	22,000	No	Excluded from SLERA
207-A-South	C4113	B17HR8	Nitrate	14797-55-8	µg/kg	9/10/2003	2,570	52,000	No	Excluded from SLERA
207-A-South	C4113	B17HR9	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	9/3/2003	1,000	--	--	Retained for SLERA
207-A-South	C4113	B17HT0	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	9/3/2003	5,100	--	--	Retained for SLERA
207-A-South	C4113	B17HT1	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	9/3/2003	1,100	--	--	Retained for SLERA
207-A-South	C4113	B17HT2	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	9/10/2003	530	--	--	Retained for SLERA
207-A-South	C4113	B17HR8	Silver	7440-22-4	µg/kg	9/10/2003	2,040	167	Yes	Retained for SLERA
207-A-South	C4113	B17HR9	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.46	0.18	Yes	Retained for SLERA
207-A-South	C4113	B17HT0	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.30	0.18	Yes	Retained for SLERA
207-A-South	C4113	B17HR9	Tritium	10028-17-8	pCi/g	9/3/2003	0.15	--	--	Retained for SLERA
207-A-South	C4113	B17HT0	Tritium	10028-17-8	pCi/g	9/3/2003	0.33	--	--	Retained for SLERA
207-A-South	C4113	B17HR8	Uranium-233/234	U-233/234	pCi/g	9/10/2003	0.12	1.1	No	Excluded from SLERA
207-A-South	C4113	B17HR8	Uranium-235	15117-96-1	pCi/g	9/10/2003	0.012	0.11	No	Excluded from SLERA
207-A-South	C4113	B17HR8	Uranium-238	U-238	pCi/g	9/10/2003	0.14	1.1	No	Excluded from SLERA
207-A-South	C4114	B17HY3	Barium	7440-39-3	µg/kg	9/10/2003	24,600	132,000	No	Excluded from SLERA
207-A-South	C4114	B17HY3	Copper	7440-50-8	µg/kg	9/10/2003	8,480	22,000	No	Excluded from SLERA
207-A-South	C4114	B17HY3	Nitrate	14797-55-8	µg/kg	9/10/2003	9,120	52,000	No	Excluded from SLERA
207-A-South	C4114	B17HX4	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	9/3/2003	8,900	--	--	Retained for SLERA
207-A-South	C4114	B17HX5	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	9/3/2003	20,900	--	--	Retained for SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
207-A-South	C4114	B17HX6	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	9/4/2003	4,500	--	--	Retained for SLERA
207-A-South	C4114	B17HX7	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	9/10/2003	2,400	--	--	Retained for SLERA
207-A-South	C4114	B17HY3	Americium-241	14596-10-2	pCi/g	9/10/2003	0.025	--	--	Retained for SLERA
207-A-South	C4114	B17HY3	Cesium-137	10045-97-3	pCi/g	9/10/2003	0.013	1.1	No	Excluded from SLERA
207-A-South	C4114	B17HX4	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.94	0.18	Yes	Retained for SLERA
207-A-South	C4114	B17HX5	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.90	0.18	Yes	Retained for SLERA
207-A-South	C4114	B17HX4	Tritium	10028-17-8	pCi/g	9/3/2003	2.5	--	--	Retained for SLERA
207-A-South	C4114	B17HX5	Tritium	10028-17-8	pCi/g	9/3/2003	4.9	--	--	Retained for SLERA
207-A-South	C4114	B17HX6	Tritium	10028-17-8	pCi/g	9/4/2003	2.3	--	--	Retained for SLERA
207-A-South	C4114	B17HX7	Tritium	10028-17-8	pCi/g	9/10/2003	2.0	--	--	Retained for SLERA
207-A-South	C4114	B17HY3	Uranium-233/234	U-233/234	pCi/g	9/10/2003	0.094	1.1	No	Excluded from SLERA
207-A-South	C4114	B17HY3	Uranium-235	15117-96-1	pCi/g	9/10/2003	0.013	0.11	No	Excluded from SLERA
207-A-South	C4114	B17HY3	Uranium-238	U-238	pCi/g	9/10/2003	0.14	1.1	No	Excluded from SLERA
207-A-South	C4115	B17HY9	Barium	7440-39-3	µg/kg	9/10/2003	15,700	132,000	No	Excluded from SLERA
207-A-South	C4115	B17HY9	Copper	7440-50-8	µg/kg	9/10/2003	10,100	22,000	No	Excluded from SLERA
207-A-South	C4115	B17HY9	Nitrate	14797-55-8	µg/kg	9/10/2003	10,400	52,000	No	Excluded from SLERA
207-A-South	C4115	B17HX8	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	9/3/2003	1,600	--	--	Retained for SLERA
207-A-South	C4115	B17HX9	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	9/3/2003	920	--	--	Retained for SLERA
207-A-South	C4115	B17HY4	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	9/4/2003	13,200	--	--	Retained for SLERA
207-A-South	C4115	B17HY5	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	9/10/2003	2,300	--	--	Retained for SLERA
207-A-South	C4115	B17HY9	Americium-241	14596-10-2	pCi/g	9/10/2003	0.019	--	--	Retained for SLERA
207-A-South	C4115	B17HX8	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.82	0.18	Yes	Retained for SLERA
207-A-South	C4115	B17HX9	Strontium-90	10098-97-2	pCi/g	9/3/2003	0.80	0.18	Yes	Retained for SLERA
207-A-South	C4115	B17HX8	Tritium	10028-17-8	pCi/g	9/3/2003	0.12	--	--	Retained for SLERA
207-A-South	C4115	B17HY4	Tritium	10028-17-8	pCi/g	9/4/2003	6.6	--	--	Retained for SLERA
207-A-South	C4115	B17HY5	Tritium	10028-17-8	pCi/g	9/10/2003	2.4	--	--	Retained for SLERA
207-A-South	C4115	B17HY9	Uranium-233/234	U-233/234	pCi/g	9/10/2003	0.13	1.1	No	Excluded from SLERA
207-A-South	C4115	B17HY9	Uranium-235	15117-96-1	pCi/g	9/10/2003	0.0080	0.11	No	Excluded from SLERA
207-A-South	C4115	B17HY9	Uranium-238	U-238	pCi/g	9/10/2003	0.100	1.1	No	Excluded from SLERA
207-A-South	D074	S827942	Cesium-137	10045-97-3	pCi/g	6/3/2010	0.59	1.1	No	Excluded from SLERA
207-A-South	D074	S827942	Cobalt-60	10198-40-0	pCi/g	6/3/2010	3.13E-03	0.0084	No	Excluded from SLERA
207-A-South	D074	S827942	Europium-152	14683-23-9	pCi/g	6/3/2010	2.24E-02	--	--	Retained for SLERA
207-A-South	D074	S827942	Europium-154	15585-10-1	pCi/g	6/3/2010	7.31E-03	0.033	No	Excluded from SLERA
207-A-South	D074	S827942	Europium-155	14391-16-3	pCi/g	6/3/2010	0.0061	0.054	No	Excluded from SLERA
207-A-South	D074	S827942	Plutonium-238	13981-16-3	pCi/g	6/3/2010	0.0056	0.0038	Yes	Retained for SLERA
207-A-South	D074	S827942	Plutonium-239/240	PU-239/240	pCi/g	6/3/2010	0.0045	0.025	No	Excluded from SLERA
207-A-South	D074	S827942	Strontium-90	10098-97-2	pCi/g	6/3/2010	0.48	0.18	Yes	Retained for SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
207-A-South	D074	S827942	Uranium-234	13966-29-5	pCi/g	6/3/2010	0.16	1.1	No	Excluded from SLERA
207-A-South	D074	S827942	Uranium-235	15117-96-1	pCi/g	6/3/2010	0.017	0.11	No	Excluded from SLERA
207-A-South	D074	S827942	Uranium-238	U-238	pCi/g	6/3/2010	0.12	1.1	No	Excluded from SLERA
207-T	299-W11-39	B10F90	Arsenic	7440-38-2	µg/kg	11/30/2000	4,200	20,000	No	Excluded from SLERA
207-T	299-W11-39	B10F90	Barium	7440-39-3	µg/kg	11/30/2000	103,000	132,000	No	Excluded from SLERA
207-T	299-W11-39	B10F90	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	11/30/2000	100	--	--	Retained for SLERA
207-T	299-W11-39	B10F90	Chromium	7440-47-3	µg/kg	11/30/2000	5,800	18,500	No	Excluded from SLERA
207-T	299-W11-39	B10F90	Lead	7439-92-1	µg/kg	11/30/2000	4,800	10,200	No	Excluded from SLERA
207-T	299-W11-39	B10F90	Methylene chloride	75-09-2	µg/kg	11/30/2000	14	--	--	Retained for SLERA
207-T	299-W11-39	B10F90	Nitrate	14797-55-8	µg/kg	11/30/2000	13,000	52,000	No	Excluded from SLERA
207-T	299-W11-39	B10F90	Phenol	108-95-2	µg/kg	11/30/2000	35	--	--	Retained for SLERA
207-T	299-W11-39	B10F76	Uranium	7440-61-1	µg/kg	11/30/2000	1,100	3,210	No	Excluded from SLERA
207-T	299-W11-39	B10F77	Uranium	7440-61-1	µg/kg	11/30/2000	991	3,210	No	Excluded from SLERA
207-T	299-W11-39	B10F76	Cesium-137	10045-97-3	pCi/g	11/30/2000	0.035	1.1	No	Excluded from SLERA
207-T	299-W11-40	B105W3	Arsenic	7440-38-2	µg/kg	9/27/2000	4,900	20,000	No	Excluded from SLERA
207-T	299-W11-40	B105W3	Barium	7440-39-3	µg/kg	9/27/2000	76,300	132,000	No	Excluded from SLERA
207-T	299-W11-40	B105W3	Chromium	7440-47-3	µg/kg	9/27/2000	9,000	18,500	No	Excluded from SLERA
207-T	299-W11-40	B105W3	Lead	7439-92-1	µg/kg	9/27/2000	4,400	10,200	No	Excluded from SLERA
207-T	299-W11-40	B105W3	Methylene chloride	75-09-2	µg/kg	9/27/2000	9.0	--	--	Retained for SLERA
207-T	299-W11-40	B105W3	Nitrate	14797-55-8	µg/kg	9/27/2000	4,100	52,000	No	Excluded from SLERA
207-T	299-W11-40	B105V3	Uranium	7440-61-1	µg/kg	9/27/2000	1,760	3,210	No	Excluded from SLERA
207-T	299-W11-40	B105V5	Uranium	7440-61-1	µg/kg	9/29/2000	1,160	3,210	No	Excluded from SLERA
207-T	299-W11-40	B105V3	Technetium-99	14133-76-7	pCi/g	9/27/2000	0.61	--	--	Retained for SLERA
207-T	299-W11-40	B105V5	Tritium	10028-17-8	pCi/g	9/29/2000	0.082	--	--	Retained for SLERA
207-T/200-W-53	299-W11-41	B0YVX8	Arsenic	7440-38-2	µg/kg	8/7/2000	2,900	20,000	No	Excluded from SLERA
207-T/200-W-53	299-W11-41	B0YVX8	Barium	7440-39-3	µg/kg	8/7/2000	103,000	132,000	No	Excluded from SLERA
207-T/200-W-53	299-W11-41	B0YVX8	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	8/7/2000	35	--	--	Retained for SLERA
207-T/200-W-53	299-W11-41	B0YVX8	Chromium	7440-47-3	µg/kg	8/7/2000	7,800	18,500	No	Excluded from SLERA
207-T/200-W-53	299-W11-41	B0YVX8	Lead	7439-92-1	µg/kg	8/7/2000	3,600	10,200	No	Excluded from SLERA
207-T/200-W-53	299-W11-41	B0YVX8	Methylene chloride	75-09-2	µg/kg	8/7/2000	14	--	--	Retained for SLERA
207-T/200-W-53	299-W11-41	B0YVX8	Nitrate	14797-55-8	µg/kg	8/7/2000	8,000	52,000	No	Excluded from SLERA
207-T/200-W-53	299-W11-41	B0YVX6	Cesium-137	10045-97-3	pCi/g	8/7/2000	0.21	1.1	No	Excluded from SLERA
207-T/200-W-53	299-W11-41	B0YVX6	Technetium-99	14133-76-7	pCi/g	8/7/2000	0.74	--	--	Retained for SLERA
207-T/200-W-53	299-W11-41	B0YVX7	Technetium-99	14133-76-7	pCi/g	8/7/2000	0.58	--	--	Retained for SLERA
207-T/200-W-53	299-W11-41	B0YVX6	Uranium-233/234	U-233/234	pCi/g	8/7/2000	0.44	1.1	No	Excluded from SLERA
207-T/200-W-53	299-W11-41	B0YVX7	Uranium-233/234	U-233/234	pCi/g	8/7/2000	0.32	1.1	No	Excluded from SLERA
207-T/200-W-53	299-W11-41	B0YVX6	Uranium-238	U-238	pCi/g	8/7/2000	0.37	1.1	No	Excluded from SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
207-T/200-W-53	299-W11-41	B0YVX7	Uranium-238	U-238	pCi/g	8/7/2000	0.47	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S336968	Cesium-137	10045-97-3	pCi/g	5/10/2000	0.16	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S423810	Cesium-137	10045-97-3	pCi/g	5/16/2002	0.64	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S609861	Cesium-137	10045-97-3	pCi/g	6/21/2004	1.8	1.1	Yes	Retained for SLERA
207-T/200-W-53	D018	S685043	Cesium-137	10045-97-3	pCi/g	5/22/2006	0.18	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S755553	Cesium-137	10045-97-3	pCi/g	5/27/2008	0.32	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S827914	Cesium-137	10045-97-3	pCi/g	5/27/2010	0.94	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S976724	Cesium-137	10045-97-3	pCi/g	6/9/2016	1.5	1.1	Yes	Retained for SLERA
207-T/200-W-53	D018	S336968	Cobalt-60	10198-40-0	pCi/g	5/10/2000	2.41E-04	0.0084	No	Excluded from SLERA
207-T/200-W-53	D018	S423810	Cobalt-60	10198-40-0	pCi/g	5/16/2002	1.46E-04	0.0084	No	Excluded from SLERA
207-T/200-W-53	D018	S609861	Cobalt-60	10198-40-0	pCi/g	6/21/2004	2.80E-04	0.0084	No	Excluded from SLERA
207-T/200-W-53	D018	S685043	Cobalt-60	10198-40-0	pCi/g	5/22/2006	2.40E-04	0.0084	No	Excluded from SLERA
207-T/200-W-53	D018	S755553	Cobalt-60	10198-40-0	pCi/g	5/27/2008	2.73E-05	0.0084	No	Excluded from SLERA
207-T/200-W-53	D018	S827914	Cobalt-60	10198-40-0	pCi/g	5/27/2010	6.53E-04	0.0084	No	Excluded from SLERA
207-T/200-W-53	D018	S336968	Europium-152	14683-23-9	pCi/g	5/10/2000	0.0023	--	--	Retained for SLERA
207-T/200-W-53	D018	S423810	Europium-152	14683-23-9	pCi/g	5/16/2002	4.05E-04	--	--	Retained for SLERA
207-T/200-W-53	D018	S609861	Europium-152	14683-23-9	pCi/g	6/21/2004	0.0094	--	--	Retained for SLERA
207-T/200-W-53	D018	S685043	Europium-152	14683-23-9	pCi/g	5/22/2006	0.0021	--	--	Retained for SLERA
207-T/200-W-53	D018	S755553	Europium-152	14683-23-9	pCi/g	5/27/2008	0.0061	--	--	Retained for SLERA
207-T/200-W-53	D018	S827914	Europium-152	14683-23-9	pCi/g	5/27/2010	0.024	--	--	Retained for SLERA
207-T/200-W-53	D018	S336968	Europium-154	15585-10-1	pCi/g	5/10/2000	2.32E-04	0.033	No	Excluded from SLERA
207-T/200-W-53	D018	S423810	Europium-154	15585-10-1	pCi/g	5/16/2002	0.0064	0.033	No	Excluded from SLERA
207-T/200-W-53	D018	S609861	Europium-154	15585-10-1	pCi/g	6/21/2004	0.0029	0.033	No	Excluded from SLERA
207-T/200-W-53	D018	S685043	Europium-154	15585-10-1	pCi/g	5/22/2006	0.0025	0.033	No	Excluded from SLERA
207-T/200-W-53	D018	S755553	Europium-154	15585-10-1	pCi/g	5/27/2008	0.0047	0.033	No	Excluded from SLERA
207-T/200-W-53	D018	S827914	Europium-154	15585-10-1	pCi/g	5/27/2010	0.0071	0.033	No	Excluded from SLERA
207-T/200-W-53	D018	S336968	Europium-155	14391-16-3	pCi/g	5/10/2000	0.0016	0.054	No	Excluded from SLERA
207-T/200-W-53	D018	S423810	Europium-155	14391-16-3	pCi/g	5/16/2002	0.0033	0.054	No	Excluded from SLERA
207-T/200-W-53	D018	S609861	Europium-155	14391-16-3	pCi/g	6/21/2004	0.0027	0.054	No	Excluded from SLERA
207-T/200-W-53	D018	S685043	Europium-155	14391-16-3	pCi/g	5/22/2006	0.0060	0.054	No	Excluded from SLERA
207-T/200-W-53	D018	S755553	Europium-155	14391-16-3	pCi/g	5/27/2008	0.0084	0.054	No	Excluded from SLERA
207-T/200-W-53	D018	S827914	Europium-155	14391-16-3	pCi/g	5/27/2010	0.023	0.054	No	Excluded from SLERA
207-T/200-W-53	D018	S336968	Plutonium-238	13981-16-3	pCi/g	5/10/2000	0.015	0.0038	Yes	Retained for SLERA
207-T/200-W-53	D018	S423810	Plutonium-238	13981-16-3	pCi/g	5/16/2002	0.011	0.0038	Yes	Retained for SLERA
207-T/200-W-53	D018	S609861	Plutonium-238	13981-16-3	pCi/g	6/21/2004	0.0018	0.0038	No	Excluded from SLERA
207-T/200-W-53	D018	S685043	Plutonium-238	13981-16-3	pCi/g	5/22/2006	8.08E-03	0.0038	Yes	Retained for SLERA
207-T/200-W-53	D018	S755553	Plutonium-238	13981-16-3	pCi/g	5/27/2008	4.01E-03	0.0038	Yes	Retained for SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
207-T/200-W-53	D018	S827914	Plutonium-238	13981-16-3	pCi/g	5/27/2010	0.0056	0.0038	Yes	Retained for SLERA
207-T/200-W-53	D018	S976724	Plutonium-238	13981-16-3	pCi/g	6/9/2016	9.23E-04	0.0038	No	Excluded from SLERA
207-T/200-W-53	D018	S336968	Plutonium-239/240	PU-239/240	pCi/g	5/10/2000	0.41	0.025	Yes	Retained for SLERA
207-T/200-W-53	D018	S423810	Plutonium-239/240	PU-239/240	pCi/g	5/16/2002	0.074	0.025	Yes	Retained for SLERA
207-T/200-W-53	D018	S609861	Plutonium-239/240	PU-239/240	pCi/g	6/21/2004	0.12	0.025	Yes	Retained for SLERA
207-T/200-W-53	D018	S685043	Plutonium-239/240	PU-239/240	pCi/g	5/22/2006	0.0022	0.025	No	Excluded from SLERA
207-T/200-W-53	D018	S755553	Plutonium-239/240	PU-239/240	pCi/g	5/27/2008	0.0067	0.025	No	Excluded from SLERA
207-T/200-W-53	D018	S827914	Plutonium-239/240	PU-239/240	pCi/g	5/27/2010	0.097	0.025	Yes	Retained for SLERA
207-T/200-W-53	D018	S976724	Plutonium-239/240	PU-239/240	pCi/g	6/9/2016	0.042	0.025	Yes	Retained for SLERA
207-T/200-W-53	D018	S336968	Strontium-90	10098-97-2	pCi/g	5/10/2000	0.49	0.18	Yes	Retained for SLERA
207-T/200-W-53	D018	S423810	Strontium-90	10098-97-2	pCi/g	5/16/2002	0.10	0.18	No	Excluded from SLERA
207-T/200-W-53	D018	S609861	Strontium-90	10098-97-2	pCi/g	6/21/2004	0.45	0.18	Yes	Retained for SLERA
207-T/200-W-53	D018	S685043	Strontium-90	10098-97-2	pCi/g	5/22/2006	0.051	0.18	No	Excluded from SLERA
207-T/200-W-53	D018	S755553	Strontium-90	10098-97-2	pCi/g	5/27/2008	3.18E-01	0.18	Yes	Retained for SLERA
207-T/200-W-53	D018	S827914	Strontium-90	10098-97-2	pCi/g	5/27/2010	1.11E+00	0.18	Yes	Retained for SLERA
207-T/200-W-53	D018	S976724	Strontium-90	10098-97-2	pCi/g	6/9/2016	0.065	0.18	No	Excluded from SLERA
207-T/200-W-53	D018	S336968	Uranium-234	13966-29-5	pCi/g	5/10/2000	0.25	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S423810	Uranium-234	13966-29-5	pCi/g	5/16/2002	0.16	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S609861	Uranium-234	13966-29-5	pCi/g	6/21/2004	0.14	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S685043	Uranium-234	13966-29-5	pCi/g	5/22/2006	0.100	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S755553	Uranium-234	13966-29-5	pCi/g	5/27/2008	0.13	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S827914	Uranium-234	13966-29-5	pCi/g	5/27/2010	0.14	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S976724	Uranium-234	13966-29-5	pCi/g	6/9/2016	0.54	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S336968	Uranium-235	15117-96-1	pCi/g	5/10/2000	0.016	0.11	No	Excluded from SLERA
207-T/200-W-53	D018	S423810	Uranium-235	15117-96-1	pCi/g	5/16/2002	0.020	0.11	No	Excluded from SLERA
207-T/200-W-53	D018	S609861	Uranium-235	15117-96-1	pCi/g	6/21/2004	0.013	0.11	No	Excluded from SLERA
207-T/200-W-53	D018	S685043	Uranium-235	15117-96-1	pCi/g	5/22/2006	0.0019	0.11	No	Excluded from SLERA
207-T/200-W-53	D018	S755553	Uranium-235	15117-96-1	pCi/g	5/27/2008	0.0024	0.11	No	Excluded from SLERA
207-T/200-W-53	D018	S827914	Uranium-235	15117-96-1	pCi/g	5/27/2010	0.0066	0.11	No	Excluded from SLERA
207-T/200-W-53	D018	S336968	Uranium-238	U-238	pCi/g	5/10/2000	0.21	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S423810	Uranium-238	U-238	pCi/g	5/16/2002	0.16	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S609861	Uranium-238	U-238	pCi/g	6/21/2004	0.14	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S685043	Uranium-238	U-238	pCi/g	5/22/2006	0.085	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S755553	Uranium-238	U-238	pCi/g	5/27/2008	0.12	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S827914	Uranium-238	U-238	pCi/g	5/27/2010	0.14	1.1	No	Excluded from SLERA
207-T/200-W-53	D018	S976724	Uranium-238	U-238	pCi/g	6/9/2016	0.47	1.1	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Aluminum	7429-90-5	µg/kg	4/4/2003	5.89E+06	1.18E+07	No	Excluded from SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
216-A-34	C3245	B16RX6	Ammonium ion	14798-03-9	µg/kg	4/4/2003	605	--	--	Retained for SLERA
216-A-34	C3245	B16RX6	Arsenic	7440-38-2	µg/kg	4/4/2003	7,000	20,000	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Barium	7440-39-3	µg/kg	4/4/2003	98,900	132,000	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Beryllium	7440-41-7	µg/kg	4/4/2003	241	1,510	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	4/4/2003	660	--	--	Retained for SLERA
216-A-34	C3245	B16RX6	Boron	7440-42-8	µg/kg	4/4/2003	38,930	3,890	Yes	Retained for SLERA
216-A-34	C3245	B16RX6	Cadmium	7440-43-9	µg/kg	4/4/2003	211	563	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Chromium	7440-47-3	µg/kg	4/4/2003	5,310	18,500	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Cobalt	7440-48-4	µg/kg	4/4/2003	9,710	15,700	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Copper	7440-50-8	µg/kg	4/4/2003	13,400	22,000	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Fluoride	16984-48-8	µg/kg	4/4/2003	5,620	2,810	Yes	Retained for SLERA
216-A-34	C3245	B16RX6	Lead	7439-92-1	µg/kg	4/4/2003	3,180	10,200	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Manganese	7439-96-5	µg/kg	4/4/2003	430,000	512,000	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Nickel	7440-02-0	µg/kg	4/4/2003	8,540	19,100	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Nitrate	14797-55-8	µg/kg	4/4/2003	2.42E+06	52,000	Yes	Retained for SLERA
216-A-34	C3245	B16RW5	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	µg/kg	4/4/2003	544,000	--	--	Retained for SLERA
216-A-34	C3245	B16RX6	Thallium	7440-28-0	µg/kg	4/4/2003	68	185	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	4/4/2003	230,000	--	--	Retained for SLERA
216-A-34	C3245	B16RX6	Uranium	7440-61-1	µg/kg	4/4/2003	129,000	3,210	Yes	Retained for SLERA
216-A-34	C3245	B16RX6	Vanadium	7440-62-2	µg/kg	4/4/2003	96,100	85,100	Yes	Retained for SLERA
216-A-34	C3245	B16RX6	Zinc	7440-66-6	µg/kg	4/4/2003	56,600	67,800	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Americium-241	14596-10-2	pCi/g	4/4/2003	0.079	--	--	Retained for SLERA
216-A-34	C3245	B16RX6	Europium-155	14391-16-3	pCi/g	4/4/2003	0.0058	0.054	No	Excluded from SLERA
216-A-34	C3245	B16RX6	Plutonium-239/240	PU-239/240	pCi/g	4/4/2003	0.18	0.025	Yes	Retained for SLERA
216-A-34	C3245	B16RW5	Strontium-90	10098-97-2	pCi/g	4/4/2003	11	0.18	Yes	Retained for SLERA
216-A-34	C3245	B16RX6	Uranium-233/234	U-233/234	pCi/g	4/4/2003	6.0	1.1	Yes	Retained for SLERA
216-A-34	C3245	B16RX6	Uranium-234	13966-29-5	pCi/g	4/4/2003	6.0	1.1	Yes	Retained for SLERA
216-A-34	C3245	B16RX6	Uranium-235	15117-96-1	pCi/g	4/4/2003	0.94	0.11	Yes	Retained for SLERA
216-A-34	C3245	B16RX6	Uranium-238	U-238	pCi/g	4/4/2003	51	1.1	Yes	Retained for SLERA
UPR-200-E-64	C5942	B1TFN9	Arsenic	7440-38-2	µg/kg	2/11/2008	3,510	20,000	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Arsenic	7440-38-2	µg/kg	2/12/2008	2,700	20,000	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFN9	Barium	7440-39-3	µg/kg	2/11/2008	76,900	132,000	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Barium	7440-39-3	µg/kg	2/12/2008	76,000	132,000	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFN9	Beryllium	7440-41-7	µg/kg	2/11/2008	260	1,510	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Beryllium	7440-41-7	µg/kg	2/12/2008	280	1,510	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFN9	Chromium	7440-47-3	µg/kg	2/11/2008	7,910	18,500	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Chromium	7440-47-3	µg/kg	2/12/2008	8,740	18,500	No	Excluded from SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
UPR-200-E-64	C5942	B1TFN9	Copper	7440-50-8	µg/kg	2/11/2008	13,100	22,000	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Copper	7440-50-8	µg/kg	2/12/2008	15,500	22,000	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFN9	Lead	7439-92-1	µg/kg	2/11/2008	4,310	10,200	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Lead	7439-92-1	µg/kg	2/12/2008	3,140	10,200	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Mercury	7439-97-6	µg/kg	2/12/2008	500	13	Yes	Retained for SLERA
UPR-200-E-64	C5942	B1TFN9	Nickel	7440-02-0	µg/kg	2/11/2008	8,950	19,100	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Nickel	7440-02-0	µg/kg	2/12/2008	9,840	19,100	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFN9	Nitrate	14797-55-8	µg/kg	2/11/2008	8,850	52,000	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Nitrate	14797-55-8	µg/kg	2/12/2008	6,950	52,000	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFN9	Selenium	7782-49-2	µg/kg	2/11/2008	460	780	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Selenium	7782-49-2	µg/kg	2/12/2008	570	780	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFN9	Zinc	7440-66-6	µg/kg	2/11/2008	39,700	67,800	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Zinc	7440-66-6	µg/kg	2/12/2008	45,200	67,800	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFN9	Americium-241	14596-10-2	pCi/g	2/11/2008	0.16	--	--	Retained for SLERA
UPR-200-E-64	C5942	B1TFP0	Americium-241	14596-10-2	pCi/g	2/12/2008	8.9	--	--	Retained for SLERA
UPR-200-E-64	C5942	B1TFN9	Cesium-137	10045-97-3	pCi/g	2/11/2008	0.013	1.1	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Cesium-137	10045-97-3	pCi/g	2/12/2008	2,831	1.1	Yes	Retained for SLERA
UPR-200-E-64	C5942	B1TFP0	Europium-154	15585-10-1	pCi/g	2/12/2008	1.6	0.033	Yes	Retained for SLERA
UPR-200-E-64	C5942	B1TFP0	Plutonium-238	13981-16-3	pCi/g	2/12/2008	0.24	0.0038	Yes	Retained for SLERA
UPR-200-E-64	C5942	B1TFN9	Plutonium-239/240	PU-239/240	pCi/g	2/11/2008	0.023	0.025	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Plutonium-239/240	PU-239/240	pCi/g	2/12/2008	0.73	0.025	Yes	Retained for SLERA
UPR-200-E-64	C5942	B1TFN9	Uranium-233/234	U-233/234	pCi/g	2/11/2008	0.21	1.1	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Uranium-233/234	U-233/234	pCi/g	2/12/2008	2.0	1.1	Yes	Retained for SLERA
UPR-200-E-64	C5942	B1TFN9	Uranium-235	15117-96-1	pCi/g	2/11/2008	0.044	0.11	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFN9	Uranium-238	U-238	pCi/g	2/11/2008	0.19	1.1	No	Excluded from SLERA
UPR-200-E-64	C5942	B1TFP0	Uranium-238	U-238	pCi/g	2/12/2008	0.99	1.1	No	Excluded from SLERA
UPR-200-E-89	299-E33-341	B1TP22	Arsenic	7440-38-2	µg/kg	4/29/2008	883	20,000	No	Excluded from SLERA
UPR-200-E-89	299-E33-341	B1TP22	Cadmium	7440-43-9	µg/kg	4/29/2008	50	563	No	Excluded from SLERA
UPR-200-E-89	299-E33-341	B1TP22	Chromium	7440-47-3	µg/kg	4/29/2008	3,340	18,500	No	Excluded from SLERA
UPR-200-E-89	299-E33-341	B1TP22	Copper	7440-50-8	µg/kg	4/29/2008	11,000	22,000	No	Excluded from SLERA
UPR-200-E-89	299-E33-341	B1TP22	Fluoride	16984-48-8	µg/kg	4/29/2008	595	2,810	No	Excluded from SLERA
UPR-200-E-89	299-E33-341	B1TP22	Lead	7439-92-1	µg/kg	4/29/2008	1,770	10,200	No	Excluded from SLERA
UPR-200-E-89	299-E33-341	B1TP22	Nitrate	14797-55-8	µg/kg	4/29/2008	7,540	52,000	No	Excluded from SLERA
UPR-200-E-89	299-E33-341	B1TP22	Cesium-137	10045-97-3	pCi/g	4/29/2008	15	1.1	Yes	Retained for SLERA
UPR-200-E-89	C8706	B33B20	Aluminum	7429-90-5	µg/kg	10/22/2015	8.35E+06	1.18E+07	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Aluminum	7429-90-5	µg/kg	10/22/2015	8.42E+06	1.18E+07	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Ammonia	7664-41-7	µg/kg	10/22/2015	9,070	9,230	No	Excluded from SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
UPR-200-E-89	C8706	B33B29	Ammonia	7664-41-7	µg/kg	10/22/2015	3,940	9,230	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B24	Antimony	7440-36-0	µg/kg	10/22/2015	1,350	130	Yes	Retained for SLERA
UPR-200-E-89	C8706	B33B29	Antimony	7440-36-0	µg/kg	10/22/2015	1,140	130	Yes	Retained for SLERA
UPR-200-E-89	C8706	B33B20	Arsenic	7440-38-2	µg/kg	10/22/2015	2,690	20,000	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Arsenic	7440-38-2	µg/kg	10/22/2015	2,390	20,000	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Barium	7440-39-3	µg/kg	10/22/2015	78,600	132,000	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Barium	7440-39-3	µg/kg	10/22/2015	83,900	132,000	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Beryllium	7440-41-7	µg/kg	10/22/2015	296	1,510	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Beryllium	7440-41-7	µg/kg	10/22/2015	251	1,510	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Cadmium	7440-43-9	µg/kg	10/22/2015	68	563	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Cadmium	7440-43-9	µg/kg	10/22/2015	61	563	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Chromium	7440-47-3	µg/kg	10/22/2015	9,470	18,500	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Chromium	7440-47-3	µg/kg	10/22/2015	12,800	18,500	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Cobalt	7440-48-4	µg/kg	10/22/2015	6,850	15,700	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Cobalt	7440-48-4	µg/kg	10/22/2015	7,830	15,700	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Copper	7440-50-8	µg/kg	10/22/2015	13,100	22,000	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Copper	7440-50-8	µg/kg	10/22/2015	14,100	22,000	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B24	Cyanide	57-12-5	µg/kg	10/22/2015	455	--	--	Retained for SLERA
UPR-200-E-89	C8706	B33B17	Fluoride	16984-48-8	µg/kg	10/22/2015	1,250	2,810	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B22	Fluoride	16984-48-8	µg/kg	10/22/2015	1,400	2,810	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B31	Fluoride	16984-48-8	µg/kg	10/22/2015	1,760	2,810	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Hexavalent Chromium	18540-29-9	µg/kg	10/22/2015	205	--	--	Retained for SLERA
UPR-200-E-89	C8706	B33B20	Lead	7439-92-1	µg/kg	10/22/2015	4,430	10,200	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Lead	7439-92-1	µg/kg	10/22/2015	3,510	10,200	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Manganese	7439-96-5	µg/kg	10/22/2015	292,000	512,000	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Manganese	7439-96-5	µg/kg	10/22/2015	302,000	512,000	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Molybdenum	7439-98-7	µg/kg	10/22/2015	698	470	Yes	Retained for SLERA
UPR-200-E-89	C8706	B33B29	Molybdenum	7439-98-7	µg/kg	10/22/2015	1,730	470	Yes	Retained for SLERA
UPR-200-E-89	C8706	B33B20	Nickel	7440-02-0	µg/kg	10/22/2015	7,930	19,100	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Nickel	7440-02-0	µg/kg	10/22/2015	8,490	19,100	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B17	Nitrate	14797-55-8	µg/kg	10/22/2015	29,400	52,000	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B22	Nitrate	14797-55-8	µg/kg	10/22/2015	37,700	52,000	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B31	Nitrate	14797-55-8	µg/kg	10/22/2015	24,300	52,000	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Selenium	7782-49-2	µg/kg	10/22/2015	793	780	Yes	Retained for SLERA
UPR-200-E-89	C8706	B33B29	Selenium	7782-49-2	µg/kg	10/22/2015	726	780	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B19	Toluene	108-88-3	µg/kg	10/22/2015	0.33	--	--	Retained for SLERA
UPR-200-E-89	C8706	B33B29	Total petroleum hydrocarbons - diesel range	TPHDIESEL	µg/kg	10/22/2015	2,570	--	--	Retained for SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
UPR-200-E-89	C8706	B33B24	Uranium	7440-61-1	µg/kg	10/22/2015	647	3,210	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Uranium	7440-61-1	µg/kg	10/22/2015	572	3,210	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Cesium-137	10045-97-3	pCi/g	10/22/2015	0.16	1.1	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Cesium-137	10045-97-3	pCi/g	10/22/2015	0.10	1.1	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B20	Strontium-90	10098-97-2	pCi/g	10/22/2015	1.7	0.18	Yes	Retained for SLERA
UPR-200-E-89	C8706	B33B24	Uranium-233/234	U-233/234	pCi/g	10/22/2015	0.78	1.1	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Uranium-233/234	U-233/234	pCi/g	10/22/2015	0.60	1.1	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B16	Uranium-238	U-238	pCi/g	10/22/2015	0.60	1.1	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B24	Uranium-238	U-238	pCi/g	10/22/2015	0.52	1.1	No	Excluded from SLERA
UPR-200-E-89	C8706	B33B29	Uranium-238	U-238	pCi/g	10/22/2015	0.91	1.1	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Aluminum	7429-90-5	µg/kg	7/21/2015	6.54E+06	1.18E+07	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Antimony	7440-36-0	µg/kg	7/21/2015	2,970	130	Yes	Retained for SLERA
UPR-200-E-89	C8707	B320P2	Arsenic	7440-38-2	µg/kg	7/21/2015	3,750	20,000	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Barium	7440-39-3	µg/kg	7/21/2015	139,000	132,000	Yes	Retained for SLERA
UPR-200-E-89	C8707	B320P2	Beryllium	7440-41-7	µg/kg	7/21/2015	271	1,510	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Boron	7440-42-8	µg/kg	7/21/2015	873	3,890	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Cadmium	7440-43-9	µg/kg	7/21/2015	227	563	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Chromium	7440-47-3	µg/kg	7/21/2015	9,270	18,500	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Cobalt	7440-48-4	µg/kg	7/21/2015	9,650	15,700	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Copper	7440-50-8	µg/kg	7/21/2015	25,000	22,000	Yes	Retained for SLERA
UPR-200-E-89	C8707	B320N7	Fluoride	16984-48-8	µg/kg	7/21/2015	754	2,810	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P3	Fluoride	16984-48-8	µg/kg	7/21/2015	1,790	2,810	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Lead	7439-92-1	µg/kg	7/21/2015	3,670	10,200	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Lithium	7439-93-2	µg/kg	7/21/2015	5,040	13,300	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Manganese	7439-96-5	µg/kg	7/21/2015	385,000	512,000	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Molybdenum	7439-98-7	µg/kg	7/21/2015	2,340	470	Yes	Retained for SLERA
UPR-200-E-89	C8707	B320P2	Nickel	7440-02-0	µg/kg	7/21/2015	11,500	19,100	No	Excluded from SLERA
UPR-200-E-89	C8707	B320N7	Nitrate	14797-55-8	µg/kg	7/21/2015	98,700	52,000	Yes	Retained for SLERA
UPR-200-E-89	C8707	B320P3	Nitrate	14797-55-8	µg/kg	7/21/2015	11,100	52,000	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Silver	7440-22-4	µg/kg	7/21/2015	212	167	Yes	Retained for SLERA
UPR-200-E-89	C8707	B320P2	Strontium	7440-24-6	µg/kg	7/21/2015	35,200	--	--	Retained for SLERA
UPR-200-E-89	C8707	B320P2	Thallium	7440-28-0	µg/kg	7/21/2015	91	185	No	Excluded from SLERA
UPR-200-E-89	C8707	B320N6	Uranium	7440-61-1	µg/kg	7/21/2015	596	3,210	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Uranium	7440-61-1	µg/kg	7/21/2015	635	3,210	No	Excluded from SLERA
UPR-200-E-89	C8707	B320P2	Zinc	7440-66-6	µg/kg	7/21/2015	50,600	67,800	No	Excluded from SLERA
UPR-200-E-89	C8707	B320N6	Uranium-233/234	U-233/234	pCi/g	7/21/2015	1.4	1.1	Yes	Retained for SLERA
UPR-200-E-89	C8707	B320P2	Uranium-233/234	U-233/234	pCi/g	7/21/2015	1.1	1.1	No	Excluded from SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
UPR-200-E-89	C8707	B320P2	Uranium-238	U-238	pCi/g	7/21/2015	2.1	1.1	Yes	Retained for SLERA
UPR-200-E-89	C8711	B320W3	Aluminum	7429-90-5	µg/kg	7/16/2015	7.11E+06	1.18E+07	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W8	Antimony	7440-36-0	µg/kg	7/16/2015	1,280	130	Yes	Retained for SLERA
UPR-200-E-89	C8711	B320W3	Arsenic	7440-38-2	µg/kg	7/16/2015	1,720	20,000	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Barium	7440-39-3	µg/kg	7/16/2015	83,900	132,000	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Beryllium	7440-41-7	µg/kg	7/16/2015	244	1,510	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	7/16/2015	1,070	--	--	Retained for SLERA
UPR-200-E-89	C8711	B320W3	Cadmium	7440-43-9	µg/kg	7/16/2015	177	563	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Chromium	7440-47-3	µg/kg	7/16/2015	8,300	18,500	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Cobalt	7440-48-4	µg/kg	7/16/2015	7,340	15,700	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Copper	7440-50-8	µg/kg	7/16/2015	15,600	22,000	No	Excluded from SLERA
UPR-200-E-89	C8711	B320V7	Fluoride	16984-48-8	µg/kg	7/16/2015	1,000	2,810	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W9	Fluoride	16984-48-8	µg/kg	7/16/2015	1,530	2,810	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Lead	7439-92-1	µg/kg	7/16/2015	5,730	10,200	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Lithium	7439-93-2	µg/kg	7/16/2015	6,470	13,300	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Manganese	7439-96-5	µg/kg	7/16/2015	333,000	512,000	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Molybdenum	7439-98-7	µg/kg	7/16/2015	409	470	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Nickel	7440-02-0	µg/kg	7/16/2015	9,550	19,100	No	Excluded from SLERA
UPR-200-E-89	C8711	B320V7	Nitrate	14797-55-8	µg/kg	7/16/2015	13,600	52,000	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W4	Nitrate	14797-55-8	µg/kg	7/16/2015	7,390	52,000	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Strontium	7440-24-6	µg/kg	7/16/2015	57,100	--	--	Retained for SLERA
UPR-200-E-89	C8711	B320W3	Thallium	7440-28-0	µg/kg	7/16/2015	96	185	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Uranium	7440-61-1	µg/kg	7/16/2015	636	3,210	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Zinc	7440-66-6	µg/kg	7/16/2015	44,600	67,800	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Uranium-233/234	U-233/234	pCi/g	7/16/2015	0.83	1.1	No	Excluded from SLERA
UPR-200-E-89	C8711	B320V6	Uranium-238	U-238	pCi/g	7/16/2015	0.74	1.1	No	Excluded from SLERA
UPR-200-E-89	C8711	B320W3	Uranium-238	U-238	pCi/g	7/16/2015	0.53	1.1	No	Excluded from SLERA
UPR-200-E-89	C9549	B33122	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	10/6/2015	215	--	--	Retained for SLERA
UPR-200-E-89	C9549	B33122	Cyanide	57-12-5	µg/kg	10/6/2015	126	--	--	Retained for SLERA
UPR-200-E-89	C9549	B33123	Fluoride	16984-48-8	µg/kg	10/6/2015	1,510	2,810	No	Excluded from SLERA
UPR-200-E-89	C9549	B33123	Nitrate	14797-55-8	µg/kg	10/6/2015	45,200	52,000	No	Excluded from SLERA
UPR-200-E-89	C9549	B33122	Uranium	7440-61-1	µg/kg	10/6/2015	611	3,210	No	Excluded from SLERA
UPR-200-E-89	C9549	B33122	Uranium-233/234	U-233/234	pCi/g	10/6/2015	1.2	1.1	Yes	Retained for SLERA
UPR-200-E-89	C9549	B33122	Uranium-238	U-238	pCi/g	10/6/2015	1.0	1.1	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Aluminum	7429-90-5	µg/kg	10/1/2015	6.58E+06	1.18E+07	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Antimony	7440-36-0	µg/kg	10/1/2015	1,650	130	Yes	Retained for SLERA
UPR-200-E-89	C9550	B320W0	Arsenic	7440-38-2	µg/kg	10/1/2015	1,380	20,000	No	Excluded from SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
UPR-200-E-89	C9550	B320W0	Barium	7440-39-3	µg/kg	10/1/2015	87,300	132,000	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Beryllium	7440-41-7	µg/kg	10/1/2015	210	1,510	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Cadmium	7440-43-9	µg/kg	10/1/2015	156	563	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Chromium	7440-47-3	µg/kg	10/1/2015	12,200	18,500	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Cobalt	7440-48-4	µg/kg	10/1/2015	7,510	15,700	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Copper	7440-50-8	µg/kg	10/1/2015	14,200	22,000	No	Excluded from SLERA
UPR-200-E-89	C9550	B32195	Fluoride	16984-48-8	µg/kg	10/1/2015	1,760	2,810	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Lead	7439-92-1	µg/kg	10/1/2015	2,640	10,200	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Manganese	7439-96-5	µg/kg	10/1/2015	294,000	512,000	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Molybdenum	7439-98-7	µg/kg	10/1/2015	2,210	470	Yes	Retained for SLERA
UPR-200-E-89	C9550	B320W0	Nickel	7440-02-0	µg/kg	10/1/2015	6,990	19,100	No	Excluded from SLERA
UPR-200-E-89	C9550	B32195	Nitrate	14797-55-8	µg/kg	10/1/2015	11,400	52,000	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Silver	7440-22-4	µg/kg	10/1/2015	268	167	Yes	Retained for SLERA
UPR-200-E-89	C9550	B320W0	Uranium	7440-61-1	µg/kg	10/1/2015	482	3,210	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Uranium-233/234	U-233/234	pCi/g	10/1/2015	0.72	1.1	No	Excluded from SLERA
UPR-200-E-89	C9550	B320W0	Uranium-238	U-238	pCi/g	10/1/2015	0.99	1.1	No	Excluded from SLERA
UPR-200-W-99	299-W14-15	B0YVY7	2-Butanone	78-93-3	µg/kg	8/22/2000	1.0	--	--	Retained for SLERA
UPR-200-W-99	299-W14-15	B0YVY7	Arsenic	7440-38-2	µg/kg	8/22/2000	3,300	20,000	No	Excluded from SLERA
UPR-200-W-99	299-W14-15	B0YVY7	Barium	7440-39-3	µg/kg	8/22/2000	79,100	132,000	No	Excluded from SLERA
UPR-200-W-99	299-W14-15	B0YVY7	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	8/22/2000	20	--	--	Retained for SLERA
UPR-200-W-99	299-W14-15	B0YVY7	Cadmium	7440-43-9	µg/kg	8/22/2000	50	563	No	Excluded from SLERA
UPR-200-W-99	299-W14-15	B0YVY7	Chromium	7440-47-3	µg/kg	8/22/2000	8,300	18,500	No	Excluded from SLERA
UPR-200-W-99	299-W14-15	B0YVY7	Lead	7439-92-1	µg/kg	8/22/2000	5,800	10,200	No	Excluded from SLERA
UPR-200-W-99	299-W14-15	B0YVY7	Methylene chloride	75-09-2	µg/kg	8/22/2000	9.0	--	--	Retained for SLERA
UPR-200-W-99	299-W14-15	B0YVY7	Nitrate	14797-55-8	µg/kg	8/22/2000	22,000	52,000	No	Excluded from SLERA
UPR-200-W-99	299-W14-15	B0YVY5	Cesium-137	10045-97-3	pCi/g	8/22/2000	2.8	1.1	Yes	Retained for SLERA
UPR-200-W-99	299-W14-15	B0YVY6	Cesium-137	10045-97-3	pCi/g	8/22/2000	3.1	1.1	Yes	Retained for SLERA
UPR-200-W-99	299-W14-15	B0YVY7	Plutonium-239/240	PU-239/240	pCi/g	8/22/2000	0.031	0.025	Yes	Retained for SLERA
UPR-200-W-99	299-W14-15	B0YVY5	Strontium-90	10098-97-2	pCi/g	8/22/2000	0.43	0.18	Yes	Retained for SLERA
UPR-200-W-99	299-W14-15	B0YVY6	Strontium-90	10098-97-2	pCi/g	8/22/2000	7.2	0.18	Yes	Retained for SLERA
UPR-200-W-99	299-W14-15	B0YVY5	Uranium-233/234	U-233/234	pCi/g	8/22/2000	0.47	1.1	No	Excluded from SLERA
UPR-200-W-99	299-W14-15	B0YVY6	Uranium-233/234	U-233/234	pCi/g	8/22/2000	0.55	1.1	No	Excluded from SLERA
UPR-200-W-99	299-W14-15	B0YVY5	Uranium-238	U-238	pCi/g	8/22/2000	0.57	1.1	No	Excluded from SLERA
UPR-200-W-99	299-W14-15	B0YVY7	Uranium-238	U-238	pCi/g	8/22/2000	0.70	1.1	No	Excluded from SLERA
UPR-200-W-99	299-W14-19	B15VT5	Arsenic	7440-38-2	µg/kg	10/28/2002	1,100	20,000	No	Excluded from SLERA
UPR-200-W-99	299-W14-19	B15VT5	Barium	7440-39-3	µg/kg	10/28/2002	46,000	132,000	No	Excluded from SLERA
UPR-200-W-99	299-W14-19	B15VT5	Beryllium	7440-41-7	µg/kg	10/28/2002	290	1,510	No	Excluded from SLERA

Table 8. Measured Soil Concentration Compared Against Hanford Site Lognormal 90th Percentile Background Values

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS#	Units	Sample Date	Soil Measured Concentration	Lognormal 90th Percentile Background Value	Is Detect > Lognormal 90th Percentile Background Value?	Disposition of Analyte in SLERA
UPR-200-W-99	299-W14-19	B15VT5	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	10/28/2002	790	--	--	Retained for SLERA
UPR-200-W-99	299-W14-19	B15VT5	Chromium	7440-47-3	µg/kg	10/28/2002	11,200	18,500	No	Excluded from SLERA
UPR-200-W-99	299-W14-19	B15VT5	Copper	7440-50-8	µg/kg	10/28/2002	13,800	22,000	No	Excluded from SLERA
UPR-200-W-99	299-W14-19	B15VT5	Hexavalent Chromium	18540-29-9	µg/kg	10/28/2002	740	--	--	Retained for SLERA
UPR-200-W-99	299-W14-19	B15VT5	Lead	7439-92-1	µg/kg	10/28/2002	2,100	10,200	No	Excluded from SLERA
UPR-200-W-99	299-W14-19	B15VT5	Manganese	7439-96-5	µg/kg	10/28/2002	310,000	512,000	No	Excluded from SLERA
UPR-200-W-99	299-W14-19	B15VT5	Methylene chloride	75-09-2	µg/kg	10/28/2002	12	--	--	Retained for SLERA
UPR-200-W-99	299-W14-19	B15VT5	Molybdenum	7439-98-7	µg/kg	10/28/2002	480	470	Yes	Retained for SLERA
UPR-200-W-99	299-W14-19	B15VT5	Nickel	7440-02-0	µg/kg	10/28/2002	12,500	19,100	No	Excluded from SLERA
UPR-200-W-99	299-W14-19	B15VT5	Nitrate	14797-55-8	µg/kg	10/28/2002	7,600	52,000	No	Excluded from SLERA
UPR-200-W-99	299-W14-19	B15VT5	Phenol	108-95-2	µg/kg	10/28/2002	40	--	--	Retained for SLERA
UPR-200-W-99	299-W14-19	B15VT5	Pyrene	129-00-0	µg/kg	10/28/2002	20	--	--	Retained for SLERA
UPR-200-W-99	299-W14-19	B15VT5	Selenium	7782-49-2	µg/kg	10/28/2002	570	780	No	Excluded from SLERA
UPR-200-W-99	299-W14-19	B15VT5	Tin	7440-31-5	µg/kg	10/28/2002	1,700	--	--	Retained for SLERA
UPR-200-W-99	299-W14-19	B15VT5	Total petroleum hydrocarbons	TPH	µg/kg	10/28/2002	24,200	--	--	Retained for SLERA
UPR-200-W-99	299-W14-19	B15VT5	Vanadium	7440-62-2	µg/kg	10/28/2002	33,700	85,100	No	Excluded from SLERA
UPR-200-W-99	299-W14-19	B15VT5	Zinc	7440-66-6	µg/kg	10/28/2002	33,400	67,800	No	Excluded from SLERA
UPR-200-W-99	299-W14-19	B15VT5	Carbon-14	14762-75-5	pCi/g	10/28/2002	3.3	--	--	Retained for SLERA
UPR-200-W-99	299-W14-19	B15VT5	Uranium-238	U-238	pCi/g	10/28/2002	0.45	1.1	No	Excluded from SLERA
UPR-200-W-99	299-W14-20	B20KP2	Aroclor-1260	11096-82-5	µg/kg	5/12/2009	110	--	--	Retained for SLERA
UPR-200-W-99	299-W14-20	B20KP2	Bis(2-ethylhexyl) phthalate	117-81-7	µg/kg	5/12/2009	220	--	--	Retained for SLERA
UPR-200-W-99	299-W14-20	B20KP2	Chromium	7440-47-3	µg/kg	5/12/2009	7,560	18,500	No	Excluded from SLERA
UPR-200-W-99	299-W14-20	B20KP2	Lead	7439-92-1	µg/kg	5/12/2009	4,890	10,200	No	Excluded from SLERA
UPR-200-W-99	299-W14-20	B20KP2	Nickel	7440-02-0	µg/kg	5/12/2009	9,710	19,100	No	Excluded from SLERA
UPR-200-W-99	299-W14-20	B20KP2	Americium-241	14596-10-2	pCi/g	5/12/2009	0.046	--	--	Retained for SLERA
UPR-200-W-99	299-W14-20	B20KP2	Cesium-137	10045-97-3	pCi/g	5/12/2009	0.46	1.1	No	Excluded from SLERA
UPR-200-W-99	299-W14-20	B20KP2	Uranium-233/234	U-233/234	pCi/g	5/12/2009	0.12	1.1	No	Excluded from SLERA
UPR-200-W-99	299-W14-20	B20KP2	Uranium-235	15117-96-1	pCi/g	5/12/2009	0.014	0.11	No	Excluded from SLERA
UPR-200-W-99	299-W14-20	B20KP2	Uranium-238	U-238	pCi/g	5/12/2009	0.11	1.1	No	Excluded from SLERA

Indicates analyte's soil concentration was greater than the Hanford Site Lognormal 90th Percentile Background Level and was retained for the screening level ecological risk assessment

Table 9. Final Dataset for SLERA

Representative Wast Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Units	Analyte	CAS #	Measured Soil Concentration[a]	Laboratory Qualifier
200-E-115	C7680	B26C26	5	7	8/27/2010	µg/kg	Antimony	7440-36-0	202	B
200-E-115	C7680	B26C26	5	7	8/27/2010	µg/kg	Nitrite	14797-65-0	736	B
200-E-115	C7680	B26C26	5	7	8/27/2010	µg/kg	Strontium	7440-24-6	23,700	NM
200-E-115	C7680	B26C27	5	7	8/27/2010	µg/kg	Toluene	108-88-3	0.39	BJ
200-E-115	C7680	B26C28	10	12	8/29/2010	µg/kg	Ammonium ion	14798-03-9	1,350	CB
200-E-115	C7680	B26C28	10	12	8/29/2010	µg/kg	Nitrite	14797-65-0	613	B
200-E-115	C7680	B26C28	10	12	8/29/2010	µg/kg	Selenium	7782-49-2	965	B
200-E-115	C7680	B26C28	10	12	8/29/2010	µg/kg	Strontium	7440-24-6	20,200	NM
200-E-115	C7680	B26C30	14	16	8/29/2010	µg/kg	Chromium	7440-47-3	26,800	M
200-E-115	C7680	B26C30	14	16	8/29/2010	µg/kg	Nitrite	14797-65-0	1,120	B
200-E-115	C7680	B26C30	14	16	8/29/2010	µg/kg	Strontium	7440-24-6	35,100	NM
200-E-115	C7680	B26C31	14	16	8/29/2010	µg/kg	Toluene	108-88-3	0.60	BJ
200-E-115	C7680	B26JK8	0	1	8/26/2010	µg/kg	Ammonium ion	14798-03-9	6,220	
200-E-115	C7680	B26JK8	0	1	8/26/2010	µg/kg	Antimony	7440-36-0	214	B
200-E-115	C7680	B26JK8	0	1	8/26/2010	µg/kg	Nitrite	14797-65-0	232	B
200-E-115	C7680	B26JK8	0	1	8/26/2010	µg/kg	Strontium	7440-24-6	32,600	NM
200-E-115	C7680	B26JK8	0	1	8/26/2010	pCi/g	Tritium	10028-17-8	45	
200-E-115	C7680	B26JL8	0	1	8/26/2010	µg/kg	Toluene	108-88-3	0.27	BJ
200-E-115	C7682	B26C47	5	7	8/18/2010	µg/kg	Ammonium ion	14798-03-9	8,850	
200-E-115	C7682	B26C47	5	7	8/18/2010	µg/kg	Antimony	7440-36-0	420	
200-E-115	C7682	B26C47	5	7	8/18/2010	pCi/g	Carbon-14	14762-75-5	3.5	
200-E-115	C7682	B26C47	5	7	8/18/2010	µg/kg	Lead	7439-92-1	11,300	
200-E-115	C7682	B26C47	5	7	8/18/2010	µg/kg	Selenium	7782-49-2	1,000	
200-E-115	C7682	B26C47	5	7	8/18/2010	µg/kg	Strontium	7440-24-6	21,500	
200-E-115	C7682	B26C48	5	7	8/18/2010	µg/kg	Toluene	108-88-3	0.31	BJ
200-E-115	C7682	B26C50	10	12	8/18/2010	µg/kg	Toluene	108-88-3	0.35	BJ
200-E-115	C7682	B26C51	12	14	8/18/2010	µg/kg	Ammonium ion	14798-03-9	1,280	CB
200-E-115	C7682	B26C51	12	14	8/18/2010	µg/kg	Molybdenum	7439-98-7	1,980	B
200-E-115	C7682	B26C51	12	14	8/18/2010	µg/kg	Nitrite	14797-65-0	1,850	B
200-E-115	C7682	B26C51	12	14	8/18/2010	µg/kg	Selenium	7782-49-2	1,000	
200-E-115	C7682	B26C51	12	14	8/18/2010	µg/kg	Strontium	7440-24-6	31,100	
200-E-115	C7682	B26C51	12	14	8/18/2010	µg/kg	Thallium	7440-28-0	194	
200-E-115	C7682	B26C51	12	14	8/18/2010	pCi/g	Tritium	10028-17-8	1.7	

Table 9. Final Dataset for SLERA

Representative Wast Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Units	Analyte	CAS #	Measured Soil Concentration[a]	Laboratory Qualifier
200-E-115	C7682	B26C53	14	16	8/19/2010	µg/kg	Ammonium ion	14798-03-9	987	CB
200-E-115	C7682	B26C53	14	16	8/19/2010	µg/kg	Molybdenum	7439-98-7	2,000	B
200-E-115	C7682	B26C53	14	16	8/19/2010	µg/kg	Nitrite	14797-65-0	1,340	B
200-E-115	C7682	B26C53	14	16	8/19/2010	µg/kg	Selenium	7782-49-2	1,000	
200-E-115	C7682	B26C53	14	16	8/19/2010	µg/kg	Strontium	7440-24-6	37,700	
200-E-115	C7682	B26C53	14	16	8/19/2010	pCi/g	Tritium	10028-17-8	3.0	
200-E-115	C7682	B26C54	14	16	8/19/2010	µg/kg	Toluene	108-88-3	1.1	B
200-E-115	C7682	B26JL1	0	1	8/17/2010	µg/kg	Ammonium ion	14798-03-9	22,800	
200-E-115	C7682	B26JL1	0	1	8/17/2010	µg/kg	Antimony	7440-36-0	218	
200-E-115	C7682	B26JL1	0	1	8/17/2010	µg/kg	Nitrate	14797-55-8	54,600	
200-E-115	C7682	B26JL1	0	1	8/17/2010	µg/kg	Nitrite	14797-65-0	1,210	B
200-E-115	C7682	B26JL1	0	1	8/17/2010	µg/kg	Selenium	7782-49-2	1,000	
200-E-115	C7682	B26JL1	0	1	8/17/2010	µg/kg	Strontium	7440-24-6	30,500	
200-E-115	C7682	B26JL1	0	1	8/17/2010	µg/kg	Total petroleum hydrocarbons - diesel range	TPHDIESEL	12,000	BJ
200-E-115	C7682	B26JL1	0	1	8/17/2010	pCi/g	Tritium	10028-17-8	1.7	
200-E-115	C7682	B26JM0	0	1	8/17/2010	µg/kg	Toluene	108-88-3	0.39	BJ
200-W-54	299-W22-84	B139C3	0	6	10/19/2001	µg/kg	Ammonia	7664-41-7	18,400	
200-W-54	299-W22-84	B139C3	0	6	10/19/2001	µg/kg	Tin	7440-31-5	1,900	
200-W-54	299-W22-84	B139D1	0	6	10/19/2001	µg/kg	Hexavalent Chromium	18540-29-9	490	
200-W-54	299-W22-84	B139D1	0	6	10/19/2001	µg/kg	Methylene chloride	75-09-2	11	B
200-W-54	299-W22-84	B139D1	0	6	10/19/2001	µg/kg	Molybdenum	7439-98-7	530	
207-A-South	C4113	B17HR8	12.5	13.5	9/10/2003	µg/kg	Silver	7440-22-4	2,040	
207-A-South	C4113	B17HR9	1	2	9/3/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	1,000	
207-A-South	C4113	B17HR9	1	2	9/3/2003	pCi/g	Strontium-90	10098-97-2	0.46	
207-A-South	C4113	B17HR9	1	2	9/3/2003	pCi/g	Tritium	10028-17-8	0.15	
207-A-South	C4113	B17HT0	2	3	9/3/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	5,100	
207-A-South	C4113	B17HT0	2	3	9/3/2003	pCi/g	Strontium-90	10098-97-2	0.30	
207-A-South	C4113	B17HT0	2	3	9/3/2003	pCi/g	Tritium	10028-17-8	0.33	
207-A-South	C4113	B17HT1	6	7	9/3/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	1,100	

Table 9. Final Dataset for SLERA

Representative Wast Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Units	Analyte	CAS #	Measured Soil Concentration[a]	Laboratory Qualifier
207-A-South	C4113	B17HT2	12.5	13.5	9/10/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	530	
207-A-South	C4114	B17HX4	1	2	9/3/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	8,900	
207-A-South	C4114	B17HX4	1	2	9/3/2003	pCi/g	Strontium-90	10098-97-2	0.94	
207-A-South	C4114	B17HX4	1	2	9/3/2003	pCi/g	Tritium	10028-17-8	2.5	
207-A-South	C4114	B17HX5	2	3	9/3/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	20,900	D
207-A-South	C4114	B17HX5	2	3	9/3/2003	pCi/g	Strontium-90	10098-97-2	0.90	
207-A-South	C4114	B17HX5	2	3	9/3/2003	pCi/g	Tritium	10028-17-8	4.9	
207-A-South	C4114	B17HX6	6	7	9/4/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	4,500	
207-A-South	C4114	B17HX6	6	7	9/4/2003	pCi/g	Tritium	10028-17-8	2.3	
207-A-South	C4114	B17HX7	12.5	13.5	9/10/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	2,400	
207-A-South	C4114	B17HX7	12.5	13.5	9/10/2003	pCi/g	Tritium	10028-17-8	2.0	
207-A-South	C4114	B17HY3	12.5	13.5	9/10/2003	pCi/g	Americium-241	14596-10-2	0.025	
207-A-South	C4115	B17HX8	1	2	9/3/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	1,600	
207-A-South	C4115	B17HX8	1	2	9/3/2003	pCi/g	Strontium-90	10098-97-2	0.82	
207-A-South	C4115	B17HX8	1	2	9/3/2003	pCi/g	Tritium	10028-17-8	0.12	
207-A-South	C4115	B17HX9	2	3	9/3/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	920	
207-A-South	C4115	B17HX9	2	3	9/3/2003	pCi/g	Strontium-90	10098-97-2	0.80	
207-A-South	C4115	B17HY4	6	7	9/4/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	13,200	D
207-A-South	C4115	B17HY4	6	7	9/4/2003	pCi/g	Tritium	10028-17-8	6.6	
207-A-South	C4115	B17HY5	12.5	13.5	9/10/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	2,300	
207-A-South	C4115	B17HY5	12.5	13.5	9/10/2003	pCi/g	Tritium	10028-17-8	2.4	
207-A-South	C4115	B17HY9	12.5	13.5	9/10/2003	pCi/g	Americium-241	14596-10-2	0.019	
207-A-South	D074	S827942	0	1	6/3/2010	pCi/g	Europium-152	14683-23-9	0.022	
207-A-South	D074	S827942	0	1	6/3/2010	pCi/g	Plutonium-238	13981-16-3	0.0056	
207-A-South	D074	S827942	0	1	6/3/2010	pCi/g	Strontium-90	10098-97-2	0.48	
207-T	299-W11-39	B10F90	10	14	11/30/2000	µg/kg	Bis(2-ethylhexyl) phthalate	117-81-7	100	J

Table 9. Final Dataset for SLERA

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207-T	299-W11-39	B10F90	10	14	11/30/2000	µg/kg	Methylene chloride	75-09-2	14	B
207-T	299-W11-39	B10F90	10	14	11/30/2000	µg/kg	Phenol	108-95-2	35	J
207-T	299-W11-40	B105V3	5	7	9/27/2000	pCi/g	Technetium-99	14133-76-7	0.61	J
207-T	299-W11-40	B105V5	7	15	9/29/2000	pCi/g	Tritium	10028-17-8	0.082	J
207-T	299-W11-40	B105W3	5	7	9/27/2000	µg/kg	Methylene chloride	75-09-2	9.0	B
207-T/200-W-53	299-W11-41	B0YVX6	5	5	8/7/2000	pCi/g	Technetium-99	14133-76-7	0.74	J
207-T/200-W-53	299-W11-41	B0YVX7	15	15	8/7/2000	pCi/g	Technetium-99	14133-76-7	0.58	J
207-T/200-W-53	299-W11-41	B0YVX8	5	15	8/7/2000	µg/kg	Bis(2-ethylhexyl) phthalate	117-81-7	35	J
207-T/200-W-53	299-W11-41	B0YVX8	5	15	8/7/2000	µg/kg	Methylene chloride	75-09-2	14	B
207-T/200-W-53	D018	S336968	0	1	5/10/2000	pCi/g	Europium-152	14683-23-9	0.0023	
207-T/200-W-53	D018	S336968	0	1	5/10/2000	pCi/g	Plutonium-238	13981-16-3	0.015	
207-T/200-W-53	D018	S336968	0	1	5/10/2000	pCi/g	Plutonium-239/240	PU-239/240	0.41	
207-T/200-W-53	D018	S336968	0	1	5/10/2000	pCi/g	Strontium-90	10098-97-2	0.49	
207-T/200-W-53	D018	S423810	0	1	5/16/2002	pCi/g	Europium-152	14683-23-9	4.05E-04	
207-T/200-W-53	D018	S423810	0	1	5/16/2002	pCi/g	Plutonium-238	13981-16-3	0.011	
207-T/200-W-53	D018	S423810	0	1	5/16/2002	pCi/g	Plutonium-239/240	PU-239/240	0.074	
207-T/200-W-53	D018	S609861	0	1	6/21/2004	pCi/g	Cesium-137	10045-97-3	1.8	
207-T/200-W-53	D018	S609861	0	1	6/21/2004	pCi/g	Europium-152	14683-23-9	0.0094	
207-T/200-W-53	D018	S609861	0	1	6/21/2004	pCi/g	Plutonium-239/240	PU-239/240	0.12	
207-T/200-W-53	D018	S609861	0	1	6/21/2004	pCi/g	Strontium-90	10098-97-2	0.45	
207-T/200-W-53	D018	S685043	0	1	5/22/2006	pCi/g	Europium-152	14683-23-9	0.0021	
207-T/200-W-53	D018	S755553	0	1	5/27/2008	pCi/g	Europium-152	14683-23-9	0.0061	
207-T/200-W-53	D018	S827914	0	1	5/27/2010	pCi/g	Europium-152	14683-23-9	0.024	
207-T/200-W-53	D018	S827914	0	1	5/27/2010	pCi/g	Plutonium-238	13981-16-3	0.0056	
207-T/200-W-53	D018	S827914	0	1	5/27/2010	pCi/g	Plutonium-239/240	PU-239/240	0.097	
207-T/200-W-53	D018	S976724	0	1	6/9/2016	pCi/g	Cesium-137	10045-97-3	1.5	
207-T/200-W-53	D018	S976724	0	1	6/9/2016	pCi/g	Plutonium-239/240	PU-239/240	0.042	
207-T/200-W-53	D018	S685043	0	1	5/22/2006	pCi/g	Plutonium-238	13981-16-3	0.008	
207-T/200-W-53	D018	S755553	0	1	5/27/2008	pCi/g	Plutonium-238	13981-16-3	0.004	
207-T/200-W-53	D018	S755553	0	1	5/27/2008	pCi/g	Strontium-90	10098-97-2	0.318	
207-T/200-W-53	D018	S827914	0	1	5/27/2010	pCi/g	Strontium-90	10098-97-2	1.111	
216-A-34	C3245	B16RW5	14.5	17	4/4/2003	µg/kg	Nitrogen in Nitrite and Nitrate	NO2+NO3-N	544,000	

Table 9. Final Dataset for SLERA

Representative Wast Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Units	Analyte	CAS #	Measured Soil Concentration[a]	Laboratory Qualifier
216-A-34	C3245	B16RW5	14.5	17	4/4/2003	pCi/g	Strontium-90	10098-97-2	11	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	pCi/g	Americium-241	14596-10-2	0.079	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	µg/kg	Ammonium ion	14798-03-9	605	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	µg/kg	Bis(2-ethylhexyl) phthalate	117-81-7	660	J
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	µg/kg	Boron	7440-42-8	38,930	E
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	µg/kg	Fluoride	16984-48-8	5,620	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	µg/kg	Nitrate	14797-55-8	2.42E+06	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	pCi/g	Plutonium-239/240	PU-239/240	0.18	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	µg/kg	Total petroleum hydrocarbons - diesel range	TPHDIESEL	230,000	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	µg/kg	Uranium	7440-61-1	129,000	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	pCi/g	Uranium-233/234	U-233/234	6.0	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	pCi/g	Uranium-234	13966-29-5	6.0	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	pCi/g	Uranium-235	15117-96-1	0.94	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	pCi/g	Uranium-238	U-238	51	
216-A-34	C3245	B16RX6	14.5	17	4/4/2003	µg/kg	Vanadium	7440-62-2	96,100	
UPR-200-E-64	C5942	B1TFN9	4	6	2/11/2008	pCi/g	Americium-241	14596-10-2	0.16	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	pCi/g	Americium-241	14596-10-2	8.9	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	pCi/g	Cesium-137	10045-97-3	2,831	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	pCi/g	Europium-154	15585-10-1	1.6	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	µg/kg	Mercury	7439-97-6	500	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	pCi/g	Plutonium-238	13981-16-3	0.24	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	pCi/g	Plutonium-239/240	PU-239/240	0.73	
UPR-200-E-64	C5942	B1TFP0	12.5	14.5	2/12/2008	pCi/g	Uranium-233/234	U-233/234	2.0	
UPR-200-E-89	299-E33-341	B1TP22	0	15	4/29/2008	pCi/g	Cesium-137	10045-97-3	15	
UPR-200-E-89	C8706	B33B19	3.9	6.4	10/22/2015	µg/kg	Toluene	108-88-3	0.33	JT
UPR-200-E-89	C8706	B33B20	3.9	6.4	10/22/2015	µg/kg	Hexavalent Chromium	18540-29-9	205	B
UPR-200-E-89	C8706	B33B20	3.9	6.4	10/22/2015	µg/kg	Molybdenum	7439-98-7	698	D
UPR-200-E-89	C8706	B33B20	3.9	6.4	10/22/2015	µg/kg	Selenium	7782-49-2	793	BD
UPR-200-E-89	C8706	B33B20	3.9	6.4	10/22/2015	pCi/g	Strontium-90	10098-97-2	1.7	
UPR-200-E-89	C8706	B33B24	3.9	6.4	10/22/2015	µg/kg	Antimony	7440-36-0	1,350	

Table 9. Final Dataset for SLERA

Representative Wast Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Units	Analyte	CAS #	Measured Soil Concentration[a]	Laboratory Qualifier
UPR-200-E-89	C8706	B33B24	3.9	6.4	10/22/2015	µg/kg	Cyanide	57-12-5	455	
UPR-200-E-89	C8706	B33B29	5.9	8.4	10/22/2015	µg/kg	Antimony	7440-36-0	1,140	
UPR-200-E-89	C8706	B33B29	5.9	8.4	10/22/2015	µg/kg	Molybdenum	7439-98-7	1,730	D
UPR-200-E-89	C8706	B33B29	5.9	8.4	10/22/2015	µg/kg	Total petroleum hydrocarbons - diesel range	TPHDIESEL	2,570	JT
UPR-200-E-89	C8707	B320N6	0	2.5	7/21/2015	pCi/g	Uranium-233/234	U-233/234	1.4	
UPR-200-E-89	C8707	B320N7	0	2.5	7/21/2015	µg/kg	Nitrate	14797-55-8	98,700	
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	µg/kg	Antimony	7440-36-0	2,970	
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	µg/kg	Barium	7440-39-3	139,000	*D
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	µg/kg	Copper	7440-50-8	25,000	DMN
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	µg/kg	Molybdenum	7439-98-7	2,340	D
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	µg/kg	Silver	7440-22-4	212	B
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	µg/kg	Strontium	7440-24-6	35,200	D
UPR-200-E-89	C8707	B320P2	5	6.5	7/21/2015	pCi/g	Uranium-238	U-238	2.1	
UPR-200-E-89	C8711	B320W3	10	13	7/16/2015	µg/kg	Bis(2-ethylhexyl) phthalate	117-81-7	1,070	
UPR-200-E-89	C8711	B320W3	10	13	7/16/2015	µg/kg	Strontium	7440-24-6	57,100	D*
UPR-200-E-89	C8711	B320W8	10	13	7/16/2015	µg/kg	Antimony	7440-36-0	1,280	
UPR-200-E-89	C9549	B33122	7.2	9.7	10/6/2015	µg/kg	Bis(2-ethylhexyl) phthalate	117-81-7	215	J
UPR-200-E-89	C9549	B33122	7.2	9.7	10/6/2015	µg/kg	Cyanide	57-12-5	126	B
UPR-200-E-89	C9549	B33122	7.2	9.7	10/6/2015	pCi/g	Uranium-233/234	U-233/234	1.2	
UPR-200-E-89	C9550	B320W0	8.2	10.7	10/1/2015	µg/kg	Antimony	7440-36-0	1,650	
UPR-200-E-89	C9550	B320W0	8.2	10.7	10/1/2015	µg/kg	Molybdenum	7439-98-7	2,210	D*
UPR-200-E-89	C9550	B320W0	8.2	10.7	10/1/2015	µg/kg	Silver	7440-22-4	268	B
UPR-200-W-99	299-W14-15	B0YVY5	5	5	8/22/2000	pCi/g	Cesium-137	10045-97-3	2.8	
UPR-200-W-99	299-W14-15	B0YVY5	5	5	8/22/2000	pCi/g	Strontium-90	10098-97-2	0.43	J
UPR-200-W-99	299-W14-15	B0YVY6	6	10	8/22/2000	pCi/g	Cesium-137	10045-97-3	3.1	
UPR-200-W-99	299-W14-15	B0YVY6	6	10	8/22/2000	pCi/g	Strontium-90	10098-97-2	7.2	
UPR-200-W-99	299-W14-15	B0YVY7	5	10	8/22/2000	µg/kg	2-Butanone	78-93-3	1.0	JB
UPR-200-W-99	299-W14-15	B0YVY7	5	10	8/22/2000	µg/kg	Bis(2-ethylhexyl) phthalate	117-81-7	20	JB
UPR-200-W-99	299-W14-15	B0YVY7	5	10	8/22/2000	µg/kg	Methylene chloride	75-09-2	9.0	B
UPR-200-W-99	299-W14-15	B0YVY7	5	10	8/22/2000	pCi/g	Plutonium-239/240	PU-239/240	0.031	J

Table 9. Final Dataset for SLERA

Representative Wast Site	Sample Location	Sample Number	Top Depth Interval (ft)	Bottom Depth Interval (ft)	Collection Date	Units	Analyte	CAS #	Measured Soil Concentration[a]	Laboratory Qualifier
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	µg/kg	Bis(2-ethylhexyl) phthalate	117-81-7	790	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	pCi/g	Carbon-14	14762-75-5	3.3	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	µg/kg	Hexavalent Chromium	18540-29-9	740	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	µg/kg	Methylene chloride	75-09-2	12	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	µg/kg	Molybdenum	7439-98-7	480	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	µg/kg	Phenol	108-95-2	40	J
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	µg/kg	Pyrene	129-00-0	20	J
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	µg/kg	Tin	7440-31-5	1,700	
UPR-200-W-99	299-W14-19	B15VT5	0	5	10/28/2002	µg/kg	Total petroleum hydrocarbons	TPH	24,200	
UPR-200-W-99	299-W14-20	B20KP2	0	10	5/12/2009	pCi/g	Americium-241	14596-10-2	0.046	
UPR-200-W-99	299-W14-20	B20KP2	0	10	5/12/2009	µg/kg	Aroclor-1260	11096-82-5	110	
UPR-200-W-99	299-W14-20	B20KP2	0	10	5/12/2009	µg/kg	Bis(2-ethylhexyl) phthalate	117-81-7	220	

[a]Radionuclide Measured Soil Concentrations Decayed to 1/1/2020

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 10. Hazard Quotients by Ecological Receptors for Non-Radiological Contaminants Detected at 200-IA-1 OU

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS #	Soil Concentration (µg/kg)	Depth		Hazard Quotient (HQ) by Ecological Receptor									
						Top (ft)	Bottom (ft)	Plants	Invertebrates	California Quail	Meadow-lark	Killdeer	Red-tailed Hawk	Great Basin Pocket Mouse	Deer Mouse	Grass-hopper Mouse	Badger
200-E-115	C7680	B26C26	Antimony	7440-36-0	202	5	7	0.040	0.0026	NC	NC	NC	NC	0.023	0.31	0.34	0.011
200-E-115	C7680	B26C26	Nitrite[a]	NO2+NO3-N	736	5	7	0.014	0.014	NC	NC	NC	NC	3.57E-06	4.82E-06	1.28E-06	2.62E-06
200-E-115	C7680	B26C26	Strontium	7440-24-6	23,700	5	7	NC	NC	NC	NC	NC	NC	0.0025	0.0049	0.0037	0.0056
200-E-115	C7680	B26C27	Toluene	108-88-3	0.39	5	7	1.94E-06	1.94E-06	4.52E-08	7.56E-07	1.98E-06	2.25E-08	1.83E-08	6.51E-07	7.44E-07	2.46E-08
200-E-115	C7680	B26C28	Ammonium ion[b]	7664-41-7	1,350	10	12	0.15	0.15	NC	NC	NC	NC	NC	NC	NC	NC
200-E-115	C7680	B26C28	Nitrite[a]	NO2+NO3-N	613	10	12	0.012	0.012	NC	NC	NC	NC	2.97E-06	4.01E-06	1.06E-06	2.18E-06
200-E-115	C7680	B26C28	Selenium	7782-49-2	965	10	12	*1.2*	0.24	0.18	0.40	0.80	0.080	0.54	1.0	0.74	0.16
200-E-115	C7680	B26C28	Strontium	7440-24-6	20,200	10	12	NC	NC	NC	NC	NC	NC	0.0021	0.0042	0.0031	0.0048
200-E-115	C7680	B26C30	Chromium[c]	7440-47-3	26,800	14	16	*1.4*	*1.4*	0.15	0.28	0.73	0.046	0.20	0.36	0.34	0.061
200-E-115	C7680	B26C30	Nitrite[a]	NO2+NO3-N	1,120	14	16	0.022	0.022	NC	NC	NC	NC	5.43E-06	7.33E-06	1.94E-06	3.99E-06
200-E-115	C7680	B26C30	Strontium	7440-24-6	35,100	14	16	NC	NC	NC	NC	NC	NC	0.0037	0.0072	0.0054	0.0083
200-E-115	C7680	B26C31	Toluene	108-88-3	0.60	14	16	3.01E-06	3.01E-06	7.03E-08	1.17E-06	3.08E-06	3.49E-08	2.84E-08	1.01E-06	1.16E-06	3.81E-08
200-E-115	C7680	B26JK8	Ammonium ion[b]	7664-41-7	6,220	0	1	0.67	0.67	NC	NC	NC	NC	NC	NC	NC	NC
200-E-115	C7680	B26JK8	Antimony	7440-36-0	214	0	1	0.043	0.0027	NC	NC	NC	NC	0.024	0.33	0.36	0.011
200-E-115	C7680	B26JK8	Nitrite[a]	NO2+NO3-N	232	0	1	0.0045	0.0045	NC	NC	NC	NC	1.12E-06	1.52E-06	4.02E-07	8.26E-07
200-E-115	C7680	B26JK8	Strontium	7440-24-6	32,600	0	1	NC	NC	NC	NC	NC	NC	0.0035	0.0067	0.0050	0.0077
200-E-115	C7680	B26JL8	Toluene	108-88-3	0.27	0	1	1.34E-06	1.34E-06	3.12E-08	5.21E-07	1.37E-06	1.55E-08	1.26E-08	4.49E-07	5.13E-07	1.69E-08
200-E-115	C7682	B26C47	Ammonium ion[b]	7664-41-7	8,850	5	7	0.96	0.96	NC	NC	NC	NC	NC	NC	NC	NC
200-E-115	C7682	B26C47	Antimony	7440-36-0	420	5	7	0.084	0.0054	NC	NC	NC	NC	0.048	0.64	0.70	0.022
200-E-115	C7682	B26C47	Lead	7439-92-1	11,300	5	7	0.23	0.023	0.046	0.23	0.73	0.012	0.0094	0.075	0.074	0.0058
200-E-115	C7682	B26C47	Selenium	7782-49-2	1,000	5	7	*1.3*	0.25	0.19	0.42	0.83	0.083	0.56	1.0	0.77	0.17
200-E-115	C7682	B26C47	Strontium	7440-24-6	21,500	5	7	NC	NC	NC	NC	NC	NC	0.0023	0.0044	0.0033	0.0051
200-E-115	C7682	B26C48	Toluene	108-88-3	0.31	5	7	1.54E-06	1.54E-06	3.60E-08	6.02E-07	1.58E-06	1.79E-08	1.45E-08	5.18E-07	5.92E-07	1.95E-08
200-E-115	C7682	B26C50	Toluene	108-88-3	0.35	10	12	1.74E-06	1.74E-06	4.06E-08	6.78E-07	1.78E-06	2.02E-08	1.64E-08	5.84E-07	6.67E-07	2.20E-08
200-E-115	C7682	B26C51	Ammonium ion[b]	7664-41-7	1,280	12	14	0.14	0.14	NC	NC	NC	NC	NC	NC	NC	NC
200-E-115	C7682	B26C51	Molybdenum	7439-98-7	1,980	12	14	0.99	0.071	0.15	0.17	0.21	0.038	3.4	3.5	1.4	0.52
200-E-115	C7682	B26C51	Nitrite[a]	NO2+NO3-N	1,850	12	14	0.036	0.036	NC	NC	NC	NC	8.96E-06	1.21E-05	3.21E-06	6.59E-06
200-E-115	C7682	B26C51	Selenium	7782-49-2	1,000	12	14	*1.3*	0.25	0.19	0.42	0.83	0.083	0.56	1.0	0.77	0.17
200-E-115	C7682	B26C51	Strontium	7440-24-6	31,100	12	14	NC	NC	NC	NC	NC	NC	0.0033	0.0064	0.0048	0.0074
200-E-115	C7682	B26C51	Thallium	7440-28-0	194	12	14	0.19	0.43	NC	NC	NC	NC	0.11	0.16	0.081	0.074
200-E-115	C7682	B26C53	Ammonium ion[b]	7664-41-7	987	14	16	0.11	0.11	NC	NC	NC	NC	NC	NC	NC	NC
200-E-115	C7682	B26C53	Molybdenum	7439-98-7	2,000	14	16	1.0	0.071	0.15	0.17	0.21	0.038	3.4	3.5	1.4	0.53
200-E-115	C7682	B26C53	Nitrite[a]	NO2+NO3-N	1,340	14	16	0.026	0.026	NC	NC	NC	NC	6.49E-06	8.77E-06	2.32E-06	4.77E-06
200-E-115	C7682	B26C53	Selenium	7782-49-2	1,000	14	16	*1.3*	0.25	0.19	0.42	0.83	0.083	0.56	1.0	0.77	0.17
200-E-115	C7682	B26C53	Strontium	7440-24-6	37,700	14	16	NC	NC	NC	NC	NC	NC	0.0040	0.0078	0.0058	0.0089
200-E-115	C7682	B26C54	Toluene	108-88-3	1.1	14	16	5.25E-06	5.25E-06	1.23E-07	2.05E-06	5.38E-06	6.10E-08	4.96E-08	1.77E-06	2.02E-06	6.66E-08
200-E-115	C7682	B26JL1	Ammonium ion[b]	7664-41-7	22,800	0	1	*2.5*	*2.5*	NC	NC	NC	NC	NC	NC	NC	NC
200-E-115	C7682	B26JL1	Antimony	7440-36-0	218	0	1	0.044	0.0028	NC	NC	NC	NC	0.025	0.33	0.36	0.012
200-E-115	C7682	B26JL1	Nitrate[a]	NO2+NO3-N	54,600	0	1	*1.1*	*1.1*	NC	NC	NC	NC	2.65E-04	3.58E-04	9.47E-05	1.94E-04
200-E-115	C7682	B26JL1	Nitrite[a]	NO2+NO3-N	1,210	0	1	0.023	0.023	NC	NC	NC	NC	5.86E-06	7.92E-06	2.10E-06	4.31E-06
200-E-115	C7682	B26JL1	Selenium	7782-49-2	1,000	0	1	*1.3*	0.25	0.19	0.42	0.83	0.083	0.56	1.0	0.77	0.17
200-E-115	C7682	B26JL1	Strontium	7440-24-6	30,500	0	1	NC	NC	NC	NC	NC	NC	0.0032	0.0063	0.0047	0.0072
200-E-115	C7682	B26JL1	Total petroleum hydrocarbons - diesel range	TPHDIESEL	12,000	0	1	NC	0.060	1.14E-04	6.01E-05	3.37E-04	2.03E-05	2.95E-05	3.98E-05	1.06E-05	2.17E-05
200-E-115	C7682	B26JM0	Toluene	108-88-3	0.39	0	1	1.93E-06	1.93E-06	4.51E-08	7.54E-07	1.98E-06	2.24E-08	1.82E-08	6.49E-07	7.42E-07	2.45E-08
200-W-54	299-W22-84	B139C3	Ammonia[b]	7664-41-7	18,400	0	6	*2.0*	*2.0*	NC	NC	NC	NC	NC	NC	NC	NC
200-W-54	299-W22-84	B139C3	Tin	7440-31-5	1,900	0	6	0.038	0.0023	0.049	0.049	0.056	0.014	0.022	0.021	0.0078	0.0041
200-W-54	299-W22-84	B139D1	Hexavalent Chromium	18540-29-9	490	0	6	NC	NC	NC	NC	NC	NC	3.97E-04	0.0017	0.0016	1.45E-04
200-W-54	299-W22-84	B139D1	Methylene chloride	75-09-2	11	0	6	NC	NC	3.04E-06	5.05E-05	1.33E-04	6.37E-07	4.62E-06	1.63E-04	1.87E-04	3.67E-06
200-W-54	299-W22-84	B139D1	Molybdenum	7439-98-7	530	0	6	0.27	0.019	0.041	0.044	0.056	0.010	0.90	0.93	0.38	0.14
207-A-South	C4113	B17HR8	Silver	7440-22-4	2,040	12.5	13.5	1.0	0.68	0.0059	0.16	0.41	0.0010	0.0014	0.059	0.068	6.63E-04

Table 10. Hazard Quotients by Ecological Receptors for Non-Radiological Contaminants Detected at 200-IA-1 OU

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS #	Soil Concentration (µg/kg)	Depth		Hazard Quotient (HQ) by Ecological Receptor									
						Top (ft)	Bottom (ft)	Plants	Invertebrates	California Quail	Meadow-lark	Killdeer	Red-tailed Hawk	Great Basin Pocket Mouse	Deer Mouse	Grass-hopper Mouse	Badger
207-A-South	C4113	B17HR9	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	1,000	1	2	0.019	0.019	NC	NC	NC	NC	4.84E-06	6.55E-06	1.73E-06	3.56E-06
207-A-South	C4113	B17HT0	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	5,100	2	3	0.098	0.098	NC	NC	NC	NC	2.47E-05	3.34E-05	8.85E-06	1.82E-05
207-A-South	C4113	B17HT1	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	1,100	6	7	0.021	0.021	NC	NC	NC	NC	5.33E-06	7.20E-06	1.91E-06	3.92E-06
207-A-South	C4113	B17HT2	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	530	12.5	13.5	0.010	0.010	NC	NC	NC	NC	2.57E-06	3.47E-06	9.19E-07	1.89E-06
207-A-South	C4114	B17HX4	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	8,900	1	2	0.17	0.17	NC	NC	NC	NC	4.31E-05	5.83E-05	1.54E-05	3.17E-05
207-A-South	C4114	B17HX5	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	20,900	2	3	0.40	0.40	NC	NC	NC	NC	1.01E-04	1.37E-04	3.63E-05	7.44E-05
207-A-South	C4114	B17HX6	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	4,500	6	7	0.087	0.087	NC	NC	NC	NC	2.18E-05	2.95E-05	7.81E-06	1.60E-05
207-A-South	C4114	B17HX7	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	2,400	12.5	13.5	0.046	0.046	NC	NC	NC	NC	1.16E-05	1.57E-05	4.16E-06	8.54E-06
207-A-South	C4115	B17HX8	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	1,600	1	2	0.031	0.031	NC	NC	NC	NC	7.75E-06	1.05E-05	2.78E-06	5.70E-06
207-A-South	C4115	B17HX9	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	920	2	3	0.018	0.018	NC	NC	NC	NC	4.46E-06	6.02E-06	1.60E-06	3.28E-06
207-A-South	C4115	B17HY4	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	13,200	6	7	0.25	0.25	NC	NC	NC	NC	6.39E-05	8.64E-05	2.29E-05	4.70E-05
207-A-South	C4115	B17HY5	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	2,300	12.5	13.5	0.044	0.044	NC	NC	NC	NC	1.11E-05	1.51E-05	3.99E-06	8.19E-06
207-T	299-W11-39	B10F90	Bis(2-ethylhexyl) phthalate	117-81-7	100	10	14	0.0010	0.0010	0.59	0.28	0.72	0.32	0.056	0.019	0.022	0.0050
207-T	299-W11-39	B10F90	Methylene chloride	75-09-2	14	10	14	NC	NC	3.87E-06	6.42E-05	1.69E-04	8.10E-07	5.88E-06	2.08E-04	2.38E-04	4.67E-06
207-T	299-W11-39	B10F90	Phenol	108-95-2	35	10	14	5.00E-04	0.0012	NC	NC	NC	NC	0.22	6.65E-05	6.95E-05	0.0045
207-T	299-W11-40	B105W3	Methylene chloride	75-09-2	9.0	5	15	NC	NC	2.49E-06	4.13E-05	1.09E-04	5.21E-07	3.78E-06	1.34E-04	1.53E-04	3.00E-06
207-T/200-W-53	299-W11-41	B0YVX8	Bis(2-ethylhexyl) phthalate	117-81-7	35	5	15	3.50E-04	3.50E-04	0.21	0.099	0.25	0.11	0.019	0.0065	0.0077	0.0018
207-T/200-W-53	299-W11-41	B0YVX8	Methylene chloride	75-09-2	14	5	15	NC	NC	3.77E-06	6.25E-05	1.64E-04	7.88E-07	5.72E-06	2.02E-04	2.31E-04	4.54E-06
216-A-34	C3245	B16RW5	Nitrogen in Nitrite and Nitrate[a]	NO2+NO3-N	544,000	14.5	17	*10*	*10*	NC	NC	NC	NC	0.0026	0.0036	9.44E-04	0.0019
216-A-34	C3245	B16RX6	Ammonium ion[b]	7664-41-7	605	14.5	17	0.066	0.066	NC	NC	NC	NC	NC	NC	NC	NC
216-A-34	C3245	B16RX6	Bis(2-ethylhexyl) phthalate	117-81-7	660	14.5	17	0.0066	0.0066	3.9	1.9	4.8	2.1	0.37	0.12	0.15	0.033
216-A-34	C3245	B16RX6	Boron	7440-42-8	38,930	14.5	17	*10*	*1.3*	2.4	1.9	1.5	0.050	4.0	3.2	0.76	0.052
216-A-34	C3245	B16RX6	Fluoride	16984-48-8	5,620	14.5	17	NC	NC	0.0038	0.0020	0.010	6.10E-04	5.72E-04	6.84E-04	1.58E-04	3.23E-04
216-A-34	C3245	B16RX6	Nitrate[a]	NO2+NO3-N	2.42E+06	14.5	17	*47*	*47*	NC	NC	NC	NC	0.012	0.016	0.0042	0.0086
216-A-34	C3245	B16RX6	Total petroleum hydrocarbons - diesel range	TPHDIESEL	230,000	14.5	17	NC	1.2	0.0022	0.0012	0.0065	3.90E-04	5.65E-04	7.64E-04	2.02E-04	4.15E-04
216-A-34	C3245	B16RX6	Uranium	7440-61-1	129,000	14.5	17	26	1.3	0.064	0.38	0.93	1.6	3.5	19	19	32
216-A-34	C3245	B16RX6	Vanadium	7440-62-2	96,100	14.5	17	*1.1*	0.83	*1.1*	*1.1*	*1.1*	0.38	0.50	0.45	0.12	0.053
UPR-200-E-64	C5942	B1TFP0	Mercury	7439-97-6	500	12.5	14.5	1.7	5.0	0.011	0.016	0.089	0.0031	NC	NC	NC	NC
UPR-200-E-89	C8706	B33B19	Toluene	108-88-3	0.33	3.9	6.4	1.63E-06	1.63E-06	3.81E-08	6.37E-07	1.67E-06	1.90E-08	1.54E-08	5.48E-07	6.27E-07	2.07E-08
UPR-200-E-89	C8706	B33B20	Hexavalent Chromium	18540-29-9	205	3.9	6.4	NC	NC	NC	NC	NC	NC	1.66E-04	7.13E-04	6.83E-04	6.07E-05
UPR-200-E-89	C8706	B33B20	Molybdenum	7439-98-7	698	3.9	6.4	0.35	0.025	0.054	0.058	0.073	0.013	1.2	1.2	0.50	0.18
UPR-200-E-89	C8706	B33B20	Selenium	7782-49-2	793	3.9	6.4	1.0	0.20	0.15	0.33	0.66	0.066	0.44	0.83	0.61	0.13
UPR-200-E-89	C8706	B33B24	Antimony	7440-36-0	1,350	3.9	6.4	0.27	0.017	NC	NC	NC	NC	0.15	2.1	2.3	0.072
UPR-200-E-89	C8706	B33B24	Cyanide	57-12-5	455	3.9	6.4	NC	NC	NC	NC	NC	NC	1.63E-05	2.20E-05	5.82E-06	1.20E-05
UPR-200-E-89	C8706	B33B29	Antimony	7440-36-0	1,140	5.9	8.4	0.23	0.015	NC	NC	NC	NC	0.13	1.7	1.9	0.060
UPR-200-E-89	C8706	B33B29	Molybdenum	7439-98-7	1,730	5.9	8.4	0.87	0.062	0.13	0.14	0.18	0.033	2.9	3.0	1.2	0.46
UPR-200-E-89	C8706	B33B29	Total petroleum hydrocarbons - diesel range	TPHDIESEL	2,570	5.9	8.4	NC	0.013	2.45E-05	1.29E-05	7.21E-05	4.35E-06	6.31E-06	8.53E-06	2.26E-06	4.64E-06
UPR-200-E-89	C8707	B320N7	Nitrate[a]	NO2+NO3-N	98,700	0	2.5	*1.9*	*1.9*	NC	NC	NC	NC	4.78E-04	6.46E-04	1.71E-04	3.51E-04
UPR-200-E-89	C8707	B320P2	Antimony	7440-36-0	2,970	5	6.5	0.59	0.038	NC	NC	NC	NC	0.34	4.5	5.0	0.16
UPR-200-E-89	C8707	B320P2	Barium	7440-39-3	139,000	5	6.5	0.28	0.42	0.16	0.12	0.21	0.034	0.10	0.089	0.030	0.019
UPR-200-E-89	C8707	B320P2	Copper	7440-50-8	25,000	5	6.5	0.36	0.43	0.18	0.29	NC	0.0069	0.18	0.27	0.23	0.0096
UPR-200-E-89	C8707	B320P2	Molybdenum	7439-98-7	2,340	5	6.5	1.2	0.084	0.18	0.20	0.25	0.045	4.0	4.1	1.7	0.62
UPR-200-E-89	C8707	B320P2	Silver	7440-22-4	212	5	6.5	0.11	0.071	6.14E-04	0.017	0.043	1.05E-04	1.47E-04	0.0061	0.0071	6.89E-05
UPR-200-E-89	C8707	B320P2	Strontium	7440-24-6	35,200	5	6.5	NC	NC	NC	NC	NC	NC	0.0037	0.0073	0.0054	0.0083
UPR-200-E-89	C8711	B320W3	Bis(2-ethylhexyl) phthalate	117-81-7	1,070	10	13	0.011	0.011	6.3	3.0	7.7	3.5	0.59	0.20	0.24	0.054
UPR-200-E-89	C8711	B320W3	Strontium	7440-24-6	57,100	10	13	NC	NC	NC	NC	NC	NC	0.0060	0.012	0.0088	0.014
UPR-200-E-89	C8711	B320W8	Antimony	7440-36-0	1,280	10	13	0.26	0.016	NC	NC	NC	NC	0.15	1.9	2.1	0.068
UPR-200-E-89	C9549	B33122	Bis(2-ethylhexyl) phthalate	117-81-7	215	7.2	9.7	0.0022	0.0022	1.3	0.61	1.5	0.69	0.12	0.040	0.047	0.011
UPR-200-E-89	C9549	B33122	Cyanide	57-12-5	126	7.2	9.7	NC	NC	NC	NC	NC	NC	4.50E-06	6.09E-06	1.61E-06	3.31E-06
UPR-200-E-89	C9550	B320W0	Antimony	7440-36-0	1,650	8.2	10.7	0.33	0.021	NC	NC	NC	NC	0.19	2.5	2.8	0.087

Table 10. Hazard Quotients by Ecological Receptors for Non-Radiological Contaminants Detected at 200-IA-1 OU

Representative Waste Site	Sample Location	Sample Number	Analyte	CAS #	Soil Concentration (µg/kg)	Depth		Hazard Quotient (HQ) by Ecological Receptor									
						Top (ft)	Bottom (ft)	Plants	Invertebrates	California Quail	Meadow-lark	Killdeer	Red-tailed Hawk	Great Basin Pocket Mouse	Deer Mouse	Grass-hopper Mouse	Badger
UPR-200-E-89	C9550	B320W0	Molybdenum	7439-98-7	2,210	8.2	10.7	1.1	0.079	0.17	0.18	0.23	0.043	3.7	3.9	1.6	0.58
UPR-200-E-89	C9550	B320W0	Silver	7440-22-4	268	8.2	10.7	0.13	0.090	7.76E-04	0.021	0.054	1.33E-04	1.86E-04	0.0078	0.0089	8.71E-05
UPR-200-W-99	299-W14-15	B0YVY7	2-Butanone	78-93-3	1.0	5	10	NC	NC	4.76E-07	9.61E-07	3.20E-06	8.67E-08	1.39E-09	6.26E-09	5.66E-09	1.03E-09
UPR-200-W-99	299-W14-15	B0YVY7	Bis(2-ethylhexyl) phthalate	117-81-7	20	5	10	2.00E-04	2.00E-04	0.12	0.057	0.14	0.065	0.011	0.0037	0.0044	0.0010
UPR-200-W-99	299-W14-15	B0YVY7	Methylene chloride	75-09-2	9.0	5	10	NC	NC	2.49E-06	4.13E-05	1.09E-04	5.21E-07	3.78E-06	1.34E-04	1.53E-04	3.00E-06
UPR-200-W-99	299-W14-19	B15VT5	Bis(2-ethylhexyl) phthalate	117-81-7	790	0	5	0.0079	0.0079	4.6	2.2	5.7	2.5	0.44	0.15	0.17	0.040
UPR-200-W-99	299-W14-19	B15VT5	Hexavalent Chromium	18540-29-9	740	0	5	NC	NC	NC	NC	NC	NC	6.00E-04	0.0026	0.0025	2.19E-04
UPR-200-W-99	299-W14-19	B15VT5	Methylene chloride	75-09-2	12	0	5	NC	NC	3.32E-06	5.51E-05	1.45E-04	6.94E-07	5.04E-06	1.78E-04	2.04E-04	4.00E-06
UPR-200-W-99	299-W14-19	B15VT5	Molybdenum	7439-98-7	480	0	5	0.24	0.017	0.037	0.040	0.051	0.0092	0.81	0.84	0.34	0.13
UPR-200-W-99	299-W14-19	B15VT5	Phenol	108-95-2	40	0	5	5.71E-04	0.0013	NC	NC	NC	NC	0.25	7.60E-05	7.94E-05	0.0051
UPR-200-W-99	299-W14-19	B15VT5	Pyrene	129-00-0	20	0	5	0.0011	0.0011	0.0019	0.0052	0.011	2.61E-05	2.42E-05	5.56E-05	4.58E-05	4.81E-07
UPR-200-W-99	299-W14-19	B15VT5	Tin	7440-31-5	1,700	0	5	0.034	0.0020	0.044	0.044	0.050	0.013	0.020	0.019	0.0070	0.0037
UPR-200-W-99	299-W14-19	B15VT5	Total petroleum hydrocarbons[d]	TPH	24,200	0	5	NC	0.12	2.30E-04	1.21E-04	6.79E-04	4.10E-05	5.94E-05	8.03E-05	2.13E-05	4.37E-05
UPR-200-W-99	299-W14-20	B20KP2	Aroclor-1260	11096-82-5	110	0	10	0.0028	0.0028	0.0054	0.17	0.33	0.0021	0.014	0.36	0.41	0.0071
UPR-200-W-99	299-W14-20	B20KP2	Bis(2-ethylhexyl) phthalate	117-81-7	220	0	10	0.0022	0.0022	1.3	0.63	1.6	0.71	0.12	0.041	0.048	0.011

a. Nitrite, Nitrate, and Nitrogen in Nitrate and Nitrite are based on same ecological screening level for Nitrate/Nitrite listed in Table 4.
b. Ammonia and Ammonium ion is based on ecological screening level value for Ammonia/Ammonium listed in Table 4.
c. Chromium is based on the 90th percentile Hanford background level for plants and soil invertebrates. Cr(III) was used as a surrogate for other receptors if chromium total was not available
d. Total petroleum hyrdocarbons diesel is used as conservative ecological screening level value for total petroleum hydrocarbons (TPH)
NC represents "Not Calculated" due to lack of screening level value for the receptor
Bold indicates HQ exceedance greater than one
Bold Italic indicates Hanford Site Lognormal 90th Percentile Background Levels used as ecological screening level and HQ exceedance of greater than one

Table 11. Hazard Quotients and Sum of Fractions by Ecological Receptor for Radiological Contaminants Detected at 200-IA-1 OU

Representative Waste Site	Location	Sample Number	Analyte	CAS#	Soil Concentration pCi/g	Depth		Sum of Fractions (SOF) by Ecological Receptor								
						Top (ft)	Bottom (ft)	Plant[b]	California Quail	Western Meadowlark	Killdeer	Red-tailed Hawk	Great Basin Pocket Mouse	Deer Mouse	Grasshopper Mouse	Badger
200-E-115	C7680	B26JK8	Tritium	10028-17-8	45	0	1	2.67E-05	0.031	0.035	0.048	0.040	0.014	0.020	0.016	0.11
	C7682	B26C47	Carbon-14	14762-75-5	3.5	5	7	2.08E-06	0.065	0.058	0.062	0.070	0.057	0.058	0.026	0.11
		B26C51	Tritium	10028-17-8	1.7	12	14	1.03E-06	0.0012	0.0014	0.0018	0.0015	5.29E-04	7.55E-04	6.11E-04	0.0041
		B26C53	Tritium	10028-17-8	3.0	14	16	1.78E-06	0.0021	0.0023	0.0032	0.0026	9.13E-04	0.0013	0.0011	0.0071
		B26JL1	Tritium	10028-17-8	1.7	0	1	1.02E-06	0.0012	0.0013	0.0018	0.0015	5.25E-04	7.50E-04	6.07E-04	0.0041
207-A-South	C4113	B17HR9	Strontium-90	10098-97-2	0.46	1	2	1.27E-04	8.76E-04	0.0015	0.0030	0.0041	6.52E-04	8.79E-04	0.0011	0.0050
			Tritium	10028-17-8	0.15			9.14E-08	1.07E-04	1.20E-04	1.64E-04	1.36E-04	4.70E-05	6.71E-05	5.43E-05	3.66E-04
			Sum of Fractions (SOF) B17HR9					1.28E-04	9.83E-04	1.63E-03	3.21E-03	4.21E-03	6.99E-04	9.46E-04	1.16E-03	5.38E-03
		B17HT0	Strontium-90	10098-97-2	0.30	2	3	8.41E-05	5.78E-04	9.97E-04	0.0020	0.0027	4.30E-04	5.80E-04	7.32E-04	0.0033
			Tritium	10028-17-8	0.33			1.95E-07	2.29E-04	2.56E-04	3.50E-04	2.90E-04	1.00E-04	1.43E-04	1.16E-04	7.79E-04
			Sum of Fractions (SOF) B17HT0					8.43E-05	8.07E-04	1.25E-03	2.36E-03	2.98E-03	5.30E-04	7.23E-04	8.48E-04	4.09E-03
	C4114	B17HX4	Strontium-90	10098-97-2	0.94	1	2	2.64E-04	0.0018	0.0031	0.0063	0.0084	0.0013	0.0018	0.0023	0.010
			Tritium	10028-17-8	2.5			1.48E-06	0.0017	0.0019	0.0027	0.0022	7.61E-04	0.0011	8.80E-04	0.0059
			Sum of Fractions (SOF) B17HX4					2.65E-04	3.55E-03	5.07E-03	8.96E-03	1.06E-02	2.11E-03	2.91E-03	3.18E-03	1.63E-02
		B17HX5	Strontium-90	10098-97-2	0.90	2	3	2.53E-04	0.0017	0.0030	0.0060	0.0081	0.0013	0.0017	0.0022	0.0099
			Tritium	10028-17-8	4.9			2.95E-06	0.0035	0.0039	0.0053	0.0044	0.0015	0.0022	0.0017	0.012
			Sum of Fractions (SOF) B17BHX5					2.56E-04	5.20E-03	6.86E-03	1.13E-02	1.25E-02	2.81E-03	3.90E-03	3.95E-03	2.17E-02
		B17HX6	Tritium	10028-17-8	2.3	6	7	1.35E-06	0.0016	0.0018	0.0024	0.0020	6.93E-04	9.90E-04	8.01E-04	0.0054
		B17HX7	Tritium	10028-17-8	2.0	12.5	13.5	1.19E-06	0.0014	0.0016	0.0021	0.0018	6.11E-04	8.72E-04	7.06E-04	0.0048
		B17HY3	Americium-241	14596-10-2	0.025	12.5	13.5	1.18E-06	8.79E-07	1.02E-06	2.15E-06	1.44E-06	3.53E-07	5.23E-07	6.16E-07	5.25E-06
	C4115	B17HX8	Strontium-90	10098-97-2	0.82	1	2	2.30E-04	0.0016	0.0027	0.0055	0.0074	0.0012	0.0016	0.0020	0.0090
			Tritium	10028-17-8	0.12			7.01E-08	8.23E-05	9.20E-05	1.26E-04	1.04E-04	3.60E-05	5.14E-05	4.16E-05	2.80E-04
			Sum of Fractions (SOF) B17HX8					2.30E-04	1.66E-03	2.82E-03	5.62E-03	7.46E-03	1.21E-03	1.64E-03	2.05E-03	9.33E-03
		B17HX9	Strontium-90	10098-97-2	0.80	2	3	2.22E-04	0.0015	0.0026	0.0053	0.0071	0.0011	0.0015	0.0019	0.0088
		B17HY4	Tritium	10028-17-8	6.6	6	7	3.94E-06	0.0046	0.0052	0.0071	0.0059	0.0020	0.0029	0.0023	0.016
		B17HY5	Tritium	10028-17-8	2.4	12.5	13.5	1.44E-06	0.0017	0.0019	0.0026	0.0021	7.42E-04	0.0011	8.57E-04	0.0058
		B17HY9	Americium-241	14596-10-2	0.019	12.5	13.5	8.61E-07	6.43E-07	7.43E-07	1.57E-06	1.05E-06	2.58E-07	3.82E-07	4.50E-07	3.84E-06
	D074	S827942	Europium-152	14683-23-9	0.022	0	1	1.52E-06	1.29E-05	1.29E-05	1.29E-05	1.19E-05	1.29E-05	1.29E-05	1.29E-05	1.01E-05
			Plutonium-238	13981-16-3	0.0056	0	1	3.18E-07	1.53E-07	9.90E-08	2.66E-07	2.08E-07	1.91E-08	3.45E-08	3.45E-08	9.30E-07
			Strontium-90	10098-97-2	0.48	0	1	1.35E-04	9.30E-04	0.0016	0.0032	0.0043	6.92E-04	9.33E-04	0.0012	0.0053
			Sum of Fractions (SOF) S827942					1.37E-04	9.43E-04	1.62E-03	3.24E-03	4.34E-03	7.05E-04	9.46E-04	1.19E-03	5.33E-03
207-T/200-W-53*	299-W11-40	B105V3	Technetium-99	14133-76-7	0.61	5	7	2.81E-05	1.15E-04	5.35E-05	3.07E-06	2.20E-06	7.09E-05	5.08E-05	1.49E-06	4.84E-06
		B105V5	Tritium	10028-17-8	0.082	7	15	4.90E-08	5.75E-05	6.43E-05	8.79E-05	7.28E-05	2.52E-05	3.59E-05	2.91E-05	1.96E-04
	299-W11-41*	B0YVX6	Technetium-99	14133-76-7	0.74	5	5	3.37E-05	1.38E-04	6.42E-05	3.69E-06	2.64E-06	8.51E-05	6.10E-05	1.79E-06	5.81E-06
		B0YVX7	Technetium-99	14133-76-7	0.58	15	15	2.66E-05	1.09E-04	5.06E-05	2.91E-06	2.08E-06	6.71E-05	4.81E-05	1.41E-06	4.58E-06
	D018*	S336968	Europium-152	14683-23-9	0.0023	0	1	1.56E-07	1.32E-06	1.32E-06	1.32E-06	1.22E-06	1.32E-06	1.32E-06	1.32E-06	1.03E-06
			Plutonium-238	13981-16-3	0.015			8.81E-07	4.25E-07	2.74E-07	7.37E-07	5.75E-07	5.30E-08	9.57E-08	9.57E-08	2.58E-06
			Plutonium-239/240	PU-239/240	0.41			3.23E-05	1.06E-05	6.80E-06	1.84E-05	1.44E-05	1.26E-06	2.34E-06	2.33E-06	6.54E-05
			Strontium-90	10098-97-2	0.49			1.36E-04	9.33E-04	0.0016	0.0032	0.0043	6.94E-04	9.37E-04	0.0012	0.0053
			Sum of Fractions (SOF) S336968 based on same sampling date 5/10/2000					1.69E-04	9.45E-04	1.62E-03	3.26E-03	4.36E-03	6.97E-04	9.40E-04	1.19E-03	5.41E-03
		S423810	Europium-152	14683-23-9	4.05E-04	0	1	2.76E-08	2.33E-07	2.33E-07	2.33E-07	2.16E-07	2.33E-07	2.33E-07	2.33E-07	1.83E-07
			Plutonium-238	13981-16-3	0.011			6.46E-07	3.12E-07	2.01E-07	5.41E-07	4.22E-07	3.89E-08	7.02E-08	7.02E-08	1.89E-06
			Plutonium-239/240	PU-239/240	0.074			5.82E-06	1.91E-06	1.23E-06	3.32E-06	2.60E-06	2.28E-07	4.23E-07	4.20E-07	1.18E-05
			Sum of Fractions (SOF) S423810 based on same sampling date 5/16/2002					6.50E-06	2.45E-06	1.66E-06	4.09E-06	3.24E-06	5.00E-07	7.26E-07	7.24E-07	1.39E-05
		S609861	Cesium-137	10045-97-3	1.8	0	1	8.04E-04	7.44E-04	6.58E-04	6.35E-04	1.24E-03	7.08E-04	6.76E-04	5.42E-04	1.92E-03
			Europium-152	14683-23-9	0.0094			6.39E-07	5.40E-06	5.40E-06	5.40E-06	5.00E-06	5.40E-06	5.40E-06	5.40E-06	4.23E-06
			Plutonium-239/240	PU-239/240	0.12			9.44E-06	3.09E-06	1.99E-06	5.38E-06	4.22E-06	3.70E-07	6.85E-07	6.82E-07	1.91E-05
			Strontium-90	10098-97-2	0.45			1.27E-04	8.72E-04	0.0015	0.0030	0.0041	6.49E-04	8.75E-04	0.0011	0.0050
			Sum of Fractions (SOF) S609861 based on same sampling date 6/21/2004					9.41E-04	1.62E-03	2.17E-03	3.67E-03	5.31E-03	1.36E-03	1.56E-03	1.65E-03	6.94E-03
		S685043	Europium-152	14683-23-9	0.0021	0	1	1.46E-07	1.23E-06	1.23E-06	1.23E-06	1.14E-06	1.23E-06	1.23E-06	1.23E-06	9.67E-07
			Plutonium-238	13981-16-3	0.0081			4.62E-07	2.23E-07	1.44E-07	3.87E-07	3.02E-07	2.78E-08	5.02E-08	5.02E-08	1.35E-06
			Sum of Fractions (SOF) S685043 based on same sampling date 5/22/2006					6.08E-07	1.46E-06	1.38E-06	1.62E-06	1.44E-06	1.26E-06	1.28E-06	1.28E-06	2.32E-06
		S755553	Europium-152	14683-23-9	0.0061	0	1	4.13E-07	3.49E-06	3.49E-06	3.49E-06	3.23E-06	3.49E-06	3.49E-06	3.49E-06	2.73E-06
			Plutonium-238	13981-16-3	0.0040			2.29E-07	1.11E-07	7.14E-08	1.92E-07	1.50E-07	1.38E-08	2.49E-08	2.49E-08	6.71E-07
			Strontium-90	10098-97-2	0.32			8.87E-05	6.10E-04	0.0011	0.0021	0.0028	4.54E-04	6.12E-04	7.73E-04	0.0035
			Sum of Fractions (SOF) S755553 based on same sampling date 5/27/2008					8.94E-05	6.13E-04	1.06E-03	2.12E-03	2.84E-03	4.57E-04	6.16E-04	7.76E-04	3.49E-03
			Europium-152	14683-23-9	0.024	0	1	1.66E-06	1.40E-05	1.40E-05	1.40E-05	1.30E-05	1.40E-05	1.40E-05	1.40E-05	1.10E-05
			Plutonium-238	13981-16-3	0.0056			3.18E-07	1.53E-07	9.90E-08	2.66E-07	2.08E-07	1.91E-08	3.45E-08	3.45E-08	9.30E-07

Table 11. Hazard Quotients and Sum of Fractions by Ecological Receptor for Radiological Contaminants Detected at 200-IA-1 OU

Representative Waste Site	Location	Sample Number	Analyte	CAS#	Soil Concentration pCi/g	Depth		Sum of Fractions (SOF) by Ecological Receptor								
						Top (ft)	Bottom (ft)	Plant[b]	California Quail	Western Meadowlark	Killdeer	Red-tailed Hawk	Great Basin Pocket Mouse	Deer Mouse	Grasshopper Mouse	Badger
		S827914	Plutonium-239/240	PU-239/240	0.097	0	1	7.64E-06	2.50E-06	1.61E-06	4.35E-06	3.41E-06	2.99E-07	5.54E-07	5.51E-07	1.55E-05
			Strontium-90	10098-97-2	1.1			3.10E-04	0.0021	0.0037	0.0074	0.0099	0.0016	0.0021	0.0027	0.012
			Sum of Fractions (SOF) S827914 based on sampling date 5/27/2010					3.20E-04	2.15E-03	3.69E-03	7.43E-03	9.94E-03	1.60E-03	2.16E-03	2.72E-03	1.22E-02
		S976724	Cesium-137	10045-97-3	1.5	0	1	6.75E-04	6.25E-04	5.53E-04	5.33E-04	1.04E-03	5.95E-04	5.68E-04	4.55E-04	1.62E-03
			Plutonium-239/240	PU-239/240	0.042			3.33E-06	1.09E-06	7.01E-07	1.90E-06	1.49E-06	1.31E-07	2.42E-07	2.40E-07	6.75E-06
			Sum of Fractions (SOF) S976724 based on same sampling date 6/9/2016					6.79E-04	6.26E-04	5.54E-04	5.35E-04	1.05E-03	5.95E-04	5.68E-04	4.55E-04	1.62E-03
216-A-34	C3245	B16RW5	Strontium-90	10098-97-2	11	14.5	17	0.0030	0.021	0.036	0.072	0.096	0.015	0.021	0.026	0.12
		B16RX6	Americium-241	14596-10-2	0.079	15	17	3.67E-06	2.74E-06	3.17E-06	6.68E-06	4.48E-06	1.10E-06	1.63E-06	1.92E-06	1.64E-05
			Plutonium-239/240	PU-239/240	0.18			1.42E-05	4.64E-06	2.98E-06	8.07E-06	6.33E-06	5.55E-07	1.03E-06	1.02E-06	2.87E-05
			Uranium-233/234[a]	U-233/234	6.0			1.16E-04	4.72E-04	2.75E-04	9.42E-04	1.47E-04	1.98E-04	2.42E-04	1.16E-04	4.23E-04
			Uranium-234	13966-29-5	6.0			1.16E-04	4.72E-04	2.75E-04	9.42E-04	1.47E-04	1.98E-04	2.42E-04	1.16E-04	4.23E-04
			Uranium-235	15117-96-1	0.94			3.43E-05	1.48E-04	1.20E-04	2.16E-04	9.22E-05	1.09E-04	1.16E-04	9.76E-05	1.17E-04
			Uranium-238	U-238	51			0.0032	0.0064	0.0049	0.0099	0.0023	0.0043	0.0046	0.0037	0.0038
			Sum of Fractions (SOF) B16RX6					3.53E-03	7.46E-03	5.58E-03	1.20E-02	2.70E-03	4.79E-03	5.24E-03	4.00E-03	4.81E-03
UPR-200-E-64	C5942	B1TFN9	Americium-241	14596-10-2	0.16	4.0	6.0	7.30E-06	5.45E-06	6.30E-06	1.33E-05	8.92E-06	2.19E-06	3.24E-06	3.82E-06	3.26E-05
		B1TFP0	Americium-241	14596-10-2	8.9	13	15	4.15E-04	3.10E-04	3.59E-04	7.57E-04	5.07E-04	1.25E-04	1.84E-04	2.17E-04	0.0019
			Cesium-137	10045-97-3	2,831			*1.3*	*1.18E+00*	*1.05E+00*	*1.01E+00*	*1.98E+00*	*1.13E+00*	*1.08E+00*	8.63E-01	*3.06E+00*
			Europium-154	15585-10-1	1.6			1.26E-04	9.76E-04	9.76E-04	9.76E-04	9.03E-04	9.76E-04	9.76E-04	9.76E-04	7.63E-04
			Uranium-233/234[a]	U-233/234	2.0			3.88E-05	1.57E-04	9.17E-05	3.14E-04	4.89E-05	6.60E-05	8.06E-05	3.88E-05	1.41E-04
			Plutonium-238	13981-16-3	0.24			1.35E-05	6.52E-06	4.21E-06	1.13E-05	8.83E-06	8.13E-07	1.47E-06	1.47E-06	3.96E-05
			Plutonium-239/240	PU-239/240	0.73			5.75E-05	1.88E-05	1.21E-05	3.27E-05	2.57E-05	2.25E-06	4.17E-06	4.15E-06	1.16E-04
			Sum of Fractions (SOF) B1TFP0					1.28E+00	1.19E+00	1.05E+00	1.01E+00	1.98E+00	1.13E+00	1.08E+00	8.64E-01	3.06E+00
UPR-200-E-89	C9549	B33122	Uranium-233/234[a]	U-233/234	1.2	7.2	9.7	2.36E-05	9.61E-05	5.60E-05	1.92E-04	2.98E-05	4.03E-05	4.92E-05	2.36E-05	8.59E-05
	299-E33-341	B1TP22	Cesium-137	10045-97-3	15	0	15	0.0070	6.43E-03	5.69E-03	5.49E-03	1.07E-02	6.12E-03	5.84E-03	4.69E-03	1.66E-02
	C8706	B33B20	Strontium-90	10098-97-2	1.7	3.9	6.4	4.77E-04	0.0033	0.0057	0.011	0.015	0.0024	0.0033	0.0042	0.019
	C8707	B320N6	Uranium-233/234[a]	U-233/234	1.4	0	2.5	2.71E-05	1.10E-04	6.42E-05	2.20E-04	3.42E-05	4.62E-05	5.65E-05	2.71E-05	9.86E-05
		B320P2	Uranium-238	U-238	2.1	5.0	6.5	1.36E-04	2.67E-04	2.06E-04	4.16E-04	9.68E-05	1.80E-04	1.95E-04	1.54E-04	1.60E-04
UPR-200-W-99	299-W14-15	B0YVY5	Cesium-137	10045-97-3	2.8	5.0	5.0	0.0013	1.17E-03	1.04E-03	9.98E-04	1.95E-03	1.11E-03	1.06E-03	8.52E-04	3.02E-03
			Strontium-90	10098-97-2	0.43			1.20E-04	8.26E-04	0.0014	0.0029	0.0038	6.15E-04	8.29E-04	0.0010	0.0047
			Sum of Fractions (SOF) B0YVY5					1.38E-03	2.00E-03	2.46E-03	3.87E-03	5.80E-03	1.73E-03	1.89E-03	1.90E-03	7.75E-03
		B0YVY6	Cesium-137	10045-97-3	3.1	6.0	10	0.0014	1.30E-03	1.15E-03	1.11E-03	2.18E-03	1.24E-03	1.18E-03	9.50E-04	3.37E-03
			Strontium-90	10098-97-2	7.2	6.0	10	0.0020	0.014	0.024	0.048	0.064	0.010	0.014	0.018	0.079
			Sum of Fractions (SOF) B0YVY6					3.43E-03	1.52E-02	2.50E-02	4.92E-02	6.66E-02	1.15E-02	1.51E-02	1.85E-02	8.27E-02
		B0YVY7	Plutonium-239/240	PU-239/240	0.031	5.0	10	2.44E-06	7.99E-07	5.14E-07	1.39E-06	1.09E-06	9.56E-08	1.77E-07	1.76E-07	4.94E-06
	299-W14-19	B15VT5	Carbon-14	14762-75-5	3.3	0	5.0	5.39E-05	0.061	0.054	0.058	0.066	0.053	0.055	0.024	0.11
	299-W14-20	B20KP2	Americium-241	14596-10-2	0.046	0	10	2.15E-06	1.60E-06	1.86E-06	3.92E-06	2.63E-06	6.44E-07	9.55E-07	1.12E-06	9.59E-06

[a]Uranium 234 Screening level values were used for Uranium-233/244 risk calcuations

[b]Plant radiological screening values are Biota Concentration Guides listed in Table 6-1 CHPRC-00784, Rev 1.

Bold is the sample sum of fraction (SOF) for Hanford relevant ecological receptors

Bold Italic indicates analyte specific HQ exceeds the ecological risk threshold of one

Bold Red indicates the SOF exceeds the ecological risk threshold value of one

* Denotes locations (and associated samples) that are within both 207-T and 200-W-53.

Table 12. Summary of COPECs identified from the Screening Level Ecological Risk Assessment

Representative Waste Site	Location	Radiological COPECs	Nonradiological COPECs
200-E-115	C7680	None	Chromium[a], Selenium[a]
	C7682	None	Molybdenum, Selenium[a], Nitrate[a], Ammonium ion[a]
UPR-200-E-64	C5942	Cesium-137	Mercury
216-A-34	C3245	None	Bis(2-ethylhexyl) phthalate, Boron[b], Nitrate[a], Nitrogen in nitrite/nitrate[a], Total petroleum hydrocarbons, Uranium, Vanadium[a]
UPR-200-E-89	C8706	None	Antimony, Molybdenum
	C8707	None	Antimony, Molybdenum, Nitrate[a]
	C8711	None	Antimony, Bis(2-ethylhexyl) phthalate
	C9549	None	Bis(2-ethylhexyl) phthalate
	C9550	None	Antimony, Molybdenum
UPR-200-W-99	299-W14-19	None	Bis(2-ethylhexyl) phthalate
	299-W14-20	None	Bis(2-ethylhexyl) phthalate
200-W-54	299-W22-84	None	Ammonia[a]

[a]Exceedances based on Hanford Site Lognormal 90th Percentile Background Levels

[b]Exceedances based on Hanford Site Lognormal 90th Percentile Background Levels for plant and invertebrates only

Appendix A

200-IA-1 Operable Unit Representative Site Existing Data Review

200-IA-1 Operable Unit Representative Site Existing Data Review

1.0 INTRODUCTION

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 Liaisons (RASCAL) Team in September 2019, to define an expedited process, focused on 200-EA-1, 200-WA-1, and 200-BC-1 Operable Units (OUs), addressing the following objectives:

- Implement early remedial actions,
- Accelerate cleanup decisions,
- Ensure consistent remedies for similar waste sites,
- Reduce characterization pre-Record of Decision (ROD), and
- Conduct focused confirmatory characterization post-ROD.

The RASCAL team developed an expedited process for the representative and analogous waste sites approach. The RASCAL created 200-IA-1, a new operable unit and assigned selected waste sites from 200-EA-1 and 200-WA-1 OUs that currently have sufficient information to determine one of the following final end states: Remove, Treat and Dispose (RTD) or confirmatory sampling/no further action.

Twelve representative sites were identified by the RASCAL team as currently having sufficient information to determine final end states. Because this is an expedited process, soil samples were not collected in advance to characterize the nature and extent of contamination, samples collected for characterization and other purposes such as transportation; special studies; in process; routine and waste management purposes were used. Soil samples collected at or near the representative site are used to perform the outdoor worker and ecological receptor risk screening level evaluations. Additionally, a distribution coefficient (K_d) screen is performed to determine if there are contaminants in soil that have the potential to impact groundwater in the future.

1.1 Scope

This data review focuses on the 12 representative sites identified as currently having sufficient information to determine final end states. Samples collected from one or more locations at or near the representative site were reviewed because these samples are used to conduct each of the screening evaluations. The following identifies the representative sites for the 200-IA-1 OU.

- 200-E-109
- 200-E-115
- 200-E-BP
- 200-W-53
- 200-W-54
- 200-W-92
- 207-A South
- 207-T
- 216-A-34
- UPR-200-E-64
- UPR-200-E-89
- UPR-200-W-99

1.2 Purpose

The purpose of this data review is to determine whether the data used to perform the human health and ecological receptor 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 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 to determine if it is adequate for confirming the absence of an analyte

This appendix describes analytical data (Section 2), points of compliance (Section 2.1), analytical methods (Section 2.2), analytical sensitivity (Section 2.3), and representativeness (Section 3).

2.0 Analytical Data

Available analytical data were identified for each representative site by the RASCAL team. One or more types of analytical data are available for each representative site including soil, groundwater, soil gas, biotic, and geophysical logging. Only soil data are evaluated for purposes of the outdoor worker and ecological receptor risk screening and the groundwater protection K_d screen. There are no soil analytical data available for two representative sites (200-E-109 and 200-E-BP) and soil data are only available from depths >15 feet below ground surface (bgs) at site 200-W-92.

Laboratory sample results discussed in this data review were downloaded from the Hanford Environmental Information System (HEIS) database on October 27, 2020. For this set of nine representative sites, 470 soil samples were submitted for laboratory analysis, yielding 20,289 analytical laboratory results.

In addition to 470 soil samples, field quality control (QC) samples were collected in associated with the representative waste data including 12 equipment blanks, 29 trip blanks, 29 field blanks and 84 field transfer blank samples were also collected. Soil samples used in the risk screening evaluations were not collected under an approved work plan, as a result a data usability assessment and data validation were not planned or performed, as a result no further discussion is provided.

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 and ecological receptor risk screening evaluations. The point of compliance is established in the soils throughout the site from the ground surface to fifteen feet bgs to evaluate the potential for exposure to human and ecological 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 Analytical Methods

Soil samples were analyzed using the analytical methods listed in Table A-1. Both multi-component and single-component method-based analyses were used. Multi-component method-based analyses are those

analyses typically based upon EPA methods, as applicable, which yield concentration data for multiple analytes in a single analysis. A summary of the sample locations, sample numbers, sample collection date, sample collection purpose, sample collection depth, and types of analyses performed are presented in Tables A-2 through A-10 for each representative site evaluated.

With the exception of the use of ICP/MS for the analysis of radioisotopes, all of the analytical methods are appropriate for accurately determining the presence or absence of all contaminants of interest.
It is not standard practice to use ICP/MS for the analysis of radioisotopes and reported results were not confirmed by analysis with an acceptable analytical method. Acceptable analytical methods for radioisotopes are listed in Table A-1 including liquid scintillation, gamma energy analysis, .gas flow proportional counter, and alpha energy analysis The ICP/MS method was used to analyze radioisotopes at representative site 200-E-115 (soil boring C7680) and representative site UPR-200-E-89 (soil boring C8132). Analytical results from this method are not appropriate for quantitation purposes.
Additionally, alpha and beta emitters are reported with the gamma energy analysis (GEA) method. However, only gamma emitting isotopes are used from GEA for the human health, ecological, and K_d screening evaluations. The instrument is not calibrated for the quantitation of alpha and beta emitters by the GEA method and results are considered estimates. The methods used to analyze alpha and beta emitting isotopes are listed in Table A-1.

2.3 Analytical Sensitivity

Method detection limits (MDLs) and minimum detectable activities (MDAs) for analytes that were not detected in any sample from a representative waste site were evaluated to determine if they are adequate for confirming absence from the soil sample. MDAs and MDLs were compared to radiological and non-radiological preliminary remediation goals (PRGs) for the outdoor worker scenario and to PRG values for ecological receptors.

2.3.1 Comparison of Method Detection Limits to Outdoor Worker PRGs

The comparison of minimum and maximum MDLs to Outdoor Worker PRGs is presented in Table A-2. The results of this comparison show that except for three analytes, all minimum and maximum MDLs are less than the outdoor worker PRGs and can be used to confirm their absence.
The minimum MDLs (103 µg/kg) and maximum MDLs (105 µg/kg) were greater than the outdoor worker PRGs for 7,12-Dimethylbenz(a)anthracene (9.4 µg/kg), n-nitrosodiethylamine (10 µg/kg), n-nitrosodimethylamine (35 µg/kg), and n-nitrosomethylethylamine (93 µg/kg). Two samples were analyzed for these analytes and reported as nondetects from UPR-200-E-89. These results indicate that the analytical method cannot measure a concentration equal to or less than the calculated PRG values. These analytes are not known to be associated with a release at the Hanford site.

2.3.2 Comparison of Method Detection Limits to Ecological Screening Level PRGs

Nondetected radiological and non-radiological analytes were compared to PRG values for each ecological receptor evaluated in the 200-IA-1 OU ecological screening evaluation. Comparisons of minimum and maximum MDLs and MDAs to ecological screening PRGs are presented in Tables A-3 through Table A-12. The ecological receptors evaluated include:

- Plants
- Soil invertebrates
- California quail (*Callipepla californica*)
- Meadowlark (*Sturnella neglecta*)
- Killdeer (*Charadrius vociferus*)

- Red-tailed hawk (*Buteo jamaicensis*)
- Great Basin pocket mouse (*Perognathus parvus*)
- Deer mouse (*Peromyscus maniculatus*)
- Grasshopper mouse (*Onychomys leucogaster*), and
- Badger (*Taxidea taxus*)

None of the radionuclide MDAs exceed PRGs for any of the ecological receptors. However, for non-radiological analytes, MDLs were greater than the PRGs for 2,4-dinitrotoluene, antimony, bis(2-ethylhexyl) phthalate, boron, cadmium, dieldrin, endosulfan sulfate, mercury, molybdenum, phenol, and selenium.

For 2,4-dinitrotoluene, the minimum and maximum MDLs are greater than the PRGs for California quail (293 µg/kg), Western Meadowlark (301 µg/kg), and Killdeer (202 µg/kg) at representative waste sites 200-W-54 and 207-T.

For antimony, the minimum and maximum MDLs are greater than the PRGs for the Deer mouse (658 µg/kg) and Grasshopper mouse (0.51 µg/kg) at representative waste site 207-A-South.

For bis(2-ethylhexyl) phthalate the minimum and maximum MDLs are greater than the PRGs for the California Quail (170 µg/kg), Western Meadowlark (352 µg/kg), Killdeer (139 µg/kg), and Red tailed Hawk (310 µg/kg) at representative waste sites 200-E-115, 200-W-54, and 207-A-South.

For boron, the minimum and maximum MDLs are greater than the PRG for plants (500 µg/kg) at representative waste site 207-A-South.

For cadmium, the minimum and maximum MDLs are greater than the PRG for Killdeer (890 µg/kg) at representative waste site 207-A-South.

For dieldrin, the minimum and maximum MDLs are greater than the PRGs for the Great Basin pocket mouse (0.068 µg/kg) and California quail (0.051 µg/kg) at representative waste sites 200-E-115, 216-A-34, and 207-A-South.

For endosulfan sulfate, the minimum and maximum MDLs are greater than the PRGs for Deer mouse (0.6 µg/kg) and Grasshopper mouse (0.51 µg/kg) at representative waste sites 207-A-South and 216-A-34. For mercury the minimum and maximum MDLs are greater than the screening level PRGs for plants (300 µg/kg) and soil invertebrates (100 µg/kg) at 207-A-South.

For molybdenum, the minimum and maximum MDLs are greater than the PRGs for the Greater Basin pocket mouse (590 µg/kg), Deer mouse (570 µg/kg), and Grasshopper mouse (1,400 µg/kg) at representative waste site 216-A-34.

For phenol, the minimum and maximum MDLs are greater than the PRG for the Great Basin pocket mouse (160 µg/kg) at representative waste site 200-W-54.

For selenium, the minimum and maximum MDLs are greater than the PRGs for plants (520 µg/kg), Western Meadowlark (2,400 µg/kg), Killdeer (1,200 µg/kg), Great Basin pocket mouse (1,800 µg/kg), Grasshopper mouse (1,300 µg/kg), and the Deer mouse (960 µg/kg) at representative waste sites 216-A-34 and 207-A-South.

These results indicate that the analytical method cannot measure a concentration equal to or less than the calculated ecological screening level PRGs. These analytes are not known to be associated with a release at the Hanford site.

3.0 Representativeness

A description of the nature of contamination at each representative waste site in addition to the number of sample locations and the types of analyses performed for each site are provided in Table A-13. The nature of contamination was evaluated by reviewing SGW-60450, *200-EA-1 Operable Unit Scoping* and DOE/RL-88-30, *Hanford Site Waste Management Units Report*. The location of wells, soil borings, and surface soil locations was determined by using the Hanford Geographic Information System (HGIS) WIDS and Wells Interactive Maps [Link Redacted]. Analytical data obtained from HEIS were evaluated to confirm the sample numbers and summarize the types of analytes reported at each location. A description of the representativeness of each site is described below.

3.1 Representative Waste Site 200-E-109

200-E-109 represents contaminant migration where no soil samples have been collected. This site is not included in the human health risk, ecological risk, or the K_d screening evaluations.

3.2 Representative Waste Site 200-E-115

200-E-115 is an unplanned release site, two soil borings located outside the boundaries of this site are used for the human health and ecological screening evaluations. Soil samples were collected from four depth intervals at C7680 and C7682 from the top 4.6 m (15 ft) during 2010. Samples were collected recently and are adequate for representing current conditions. Soil samples from 0 to 1 ft depth interval would spatially represent surface contamination such as contaminated soil specks and contaminated vegetation. All soil samples were analyzed for a full suite analytical method including anions, metals, pesticides, polychlorinated biphenyls (PCBs), volatile organic analysis (VOA), semivolatile organic analysis (SVOA), and alpha, beta, and gamma emitting radioisotopes.

Soil borings C7680 and C7682 were used for the K_d screening evaluation. The depth intervals, collection dates, and the types of analyses performed are listed in Table A-14.

3.3 Representative Waste Site 200-E-BP

200-E-BP is an inactive burn pit used to burn nonradioactive material where no soil samples have been collected. This site is not included in the human health risk, ecological risk, or the K_d screening evaluations.

3.4 Representative Waste Site 200-W-53

200-W-53 is an unplanned release where the source of the contamination is assumed to be specks of contamination released from the operation of 241-T Tank farm. Well 299-W11-50 is located within the boundaries of 200-W-53 and surface soil samples collected from location D018 were collected in the vicinity of the 207-T retention basin. Soil samples from well 299-W11-50 and D018 were used for the human health and ecological screening evaluations.

Soil samples were collected from three depth intervals at well 299-W11-50 ranging between 1.5 m (5 ft) and 4.6 m (15 ft) during 2000. Soil samples from this well were analyzed for a full suite analytical method including anions, metals, VOAs, SVOAs, and alpha, beta, and gamma emitting radioisotopes. Soil samples collected from this well are not likely to represent surface releases.

Six surface soil samples were collected from 0 to 0.3 m (1 ft) were collected from location D018 between 2000 and 2016. Samples collected are adequate for representing current conditions. Soil samples collected at D018 were from the 0 to 0.3 m (1 ft) depth interval and spatially represent surface contamination due to the proximity to the surface; however there is an overall lack of cover and only one sample is collected each year. Soil samples from D018 were analyzed for gamma emitting isotopes, isotopic plutonium, strontium-90, and isotopic uranium.

Wells 299-W11-41, 299-W11-50, and D018 were used for the K_d screening evaluation. The depth intervals, collection dates, and the types of analyses performed are listed in Table A-15.

3.5 Representative Waste Site 200-W-54

200-W-54 is a contamination migration site from tank farm activities or contamination migration from 241-SX Tank Farm. The source of the contamination is assumed to be contaminated tumbleweed fragments, rabbit feces, mouse feces and soil specks. Soil samples from well 299-W22-84 were used for the human health and ecological screening evaluations.

Well 299-W22-84 is located within the boundaries of 200-W-54 where samples from the 0 to 1.8 m (0-6 ft) depth interval during 2001. Soil samples from this well were analyzed for a full suite analytical method including anions, metals, PCBs, VOAs, SVOAs, total petroleum hydrocarbons (TPH), and alpha, beta, and gamma emitting radioisotopes. Soil samples collected from this well are not likely to represent surface releases because of the depth and overall lack of coverage of the site.

Wells 299-W22-84 and 299-W22-115 were used for the K_d screening evaluation. The depth intervals, collection dates, and the types of analyses performed are listed in Table A-16.

3.6 Representative Waste Site 200-W-92

200-W-92 is a dumping area for miscellaneous trash and debris where no soil samples have been collected from the 0 to 4.6 m (15 ft) depth interval. This site is not included in the human health risk and ecological risk screening evaluations.
Wells 299-W11-92, 299-W15-765 were used for the K_d screening evaluation. The depth intervals, collection dates, and the types of analyses performed are listed in Table A-17.

3.7 Representative Waste Site 207-A South

207-A South retention basin was used for interim storage of the 242-A Evaporator process which contained spent halogenated and nonhalogenated solvents and some ammonia. Soil borings C4113 C4114, and C4115 and surface soil samples collected from 25 locations within the boundaries of the 207-A-South representative site are included in the human health, ecological, and K_d screening evaluations. Soil samples were collected from five depth intervals at C4113 and from four depth intervals at C4114 and C115 from the top 4.6 m (15 ft) during 2003. Soil samples were collected from 0 to 0.3 m (1 ft) from D074 during 2010, and the remaining soil samples were collected from 0 to 1.8 m (6 ft) depth interval during 2015. Soil samples from this well were analyzed for a full suite of analytical methods including anions, metals, pesticides, PCBs, VOAs, SVOAs, TPH, and alpha, beta, and gamma emitting radioisotopes. Soil samples collected from these locations adequately represent releases to the retention basin because of the depth intervals and overall coverage of the site.

3.8 Representative Waste Site 207-T

207-T retention basin received potentially low-level radioactive waste from T Plant process cooling water and ventilation steam condensate effluent from 221-T. Wells 299-W11-39, 299-W11-40, and 299-W11-41 are located outside the boundaries of the retention basin and surface soil samples from D018 were

collected in the vicinity of the 207-T retention basin and used in the human health and ecological screening evaluations.

Soil samples were collected from three depth intervals at wells 299-W11-39, 299-W11-40, and 299-W11-41 from the top 4.6 m (15 ft) during 2000. Seven surface soil samples collected from 0 to 0.3 m (1 ft) were collected from location D018 between 2000 and 2016. Soil samples were analyzed for a full suite of analytical methods including anions, metals, VOAs, SVOAs, and alpha, beta, and gamma emitting radioisotopes. Soil samples collected from well locations are located outside the boundaries of the waste site and are unlike to represent releases to the retention basin. Soil samples from D018 represent surface releases in the vicinity of 207-T and are unlikely to represent releases below the surface.

Wells 299-W11-39, 299-W11-40, 299-W11-41, 299-W11-50, and D018 were used for the K_d screening evaluation. The depth intervals, collection dates, and the types of analyses performed are listed in Table A-19.

3.9 Representative Waste Site 216-A-34

216-A-34 is a ditch that received cooling water from the contact condenser in the 241-A-431 building. Soil boring C3245 is located outside the boundaries of the ditch and used in the human health, ecological, and K_d screening evaluations.

Soil samples were collected from two depth intervals including 0 to 0.3 m (1 ft) and 4.3 m (14 ft) to 5,2 (17 ft) bgs from the top 4.6 m (15 ft) during 2003. Soil samples were analyzed for a full suite of analytical methods including anions, metals, herbicides, pesticides, VOAs, SVOAs, TPH, and alpha, beta, and gamma emitting radioisotopes. Analytical results from C3245 are not likely representative of 216-A-34 ditch because only one sampling location is used to represent releases and only two depth intervals were sampled from this location.

3.10 Representative Waste Site UPR-200-E-64

UPR-200-E-64 represents a contamination migration site where ants burrowed into contaminated soil that was caused by leakage from the 270-E-1 Neutralization Tank and brought the contamination to the surface. Soil boring C5942 is located within the boundaries of UPR-200-E-64 and was used for the human health and ecological screening evaluations.

Soil samples were collected from two depth intervals including 1.2 m (4 ft) and 1.8 m (6 ft) and 3.8 (12.5 ft) and 4.4 m (14.5 ft) bgs during 2008. Soil samples were analyzed for a full suite of analytical methods including anions, metals, and alpha, beta, and gamma emitting radioisotopes. Analytical results from C5942 are representative of UPR-200-E-64 as it is located within the boundaries of the site; however, there is only one sampling location where two depth intervals were sampled.

Wells 299-E28-30 and C5942 were used for the K_d screening evaluation. The depth intervals, collection dates, and the types of analyses performed are listed in Table A-21.

3.11 Representative Waste Site UPR-200-E-89

UPR-200-E-89 is an unplanned release consisting of windblown particulates and ground contamination, it also includes an irregularly shaped drill pad area and a contaminated concrete pad. Well 299-E33-341 and five soil borings (C8706, C8707, C8711, C9549, and C9550) are used for the human health and ecological screening evaluations.

Soil samples were collected from one depth interval (4.6 m [15 ft]) at well 299-E33-341 during 2008. Soil samples were collected from three depth intervals at C8706, from two depth intervals at C8707, C8711, and one depth interval from C9549 and C9550 between 0 and 4.6 m (15 ft) bgs during 2015. Soil samples were analyzed for a full suite of analytical methods including anions, metals, VOAs, SVOAs, and alpha, beta, and gamma emitting radioisotopes. Analytical results from Well 299-E33-341 are not likely representative of surface contamination from this UPR as it is located outside the boundaries of the UPR and the only results are from 4.6 m (15 ft) bgs. Analytical results from C8706, C8707, C8711, C9549, and C9550 are representative of this UPR as these borings are within the boundaries of the UPR and samples were collected from depth intervals that would capture surface contamination.
Well 299-E33-341 and 10 soil borings (C8132, C8134, C8136, C8138, C8140, C8706, C9548, C9549, and C9550) were used for the K_d screening evaluation. The depth intervals, collection dates, and the types of analyses performed are listed in Table A-22.

3.12 Representative Waste Site UPR-200-W-99

UPR-200-W-99 is an unplanned release that is the result of two plumes of airborne contamination (in 1966) from the 241-TX-153 Diversion Box affecting the ground on both sides of Camden Ave. Wells 299-W14-15, 299-W14-19 299-W14-20 are used for the human health, ecological, and K_d screening evaluations.

Soil samples were collected from three depth intervals from 299-W14-15 (between 1.5 m [5 ft] and 4.6 m (15 ft) bgs) during 2000 and from one depth at 299-W14-19 (1.5 m [5 ft] bgs) and 299-W14-20 (3 m [10 ft] bgs) during 2002 and 2009, respectively. Soil samples were analyzed for a full suite of analytical methods including anions, metals, VOAs, SVOAs, TPH, and alpha, beta, and gamma emitting radioisotopes. Wells 299-W14-15, 299-W14-19, and 299-W14-20 are located within the boundaries or in very close proximity to this UPR, however samples are collected at depths greater than 1.5 m (5 ft) which may not be representative of surface contamination.

4. References

DOE/RL-88-3, 2020, *Hanford Site Waste Management Units Report*, Rev. 29, U.S. Department of Energy, Richland Operations Office, Richland, Washington. Available at: https://pdw.hanford.gov/document/AR-03563

SGW-60450, 2017, *200-EA-1 Operable Unit Scoping*, Rev. 0, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Tables

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Table A-1. Summary of Soil Analytical Methods for 200-IA-1 OU Representative Waste Sites

Parameter	Analytical Method
Alkalinity, total as Carbonate	Standard Method 2320
	Standard Method 2320B
Americium-241	Isotopic Americium-Alpha Energy Analysis
Anions	EPA Method 300.0 or
	EPA Method 9056
Ammonium ion (Cations)	EPA Method 300.7
Ammonia	EPA Method 350.1 or
	EPA Method 350.3
Bulk Density	ASTM D5057
Carbon-14	C-14 - Liquid Scintillation
Conductivity	EPA Method 9050
Cyanide	EPA Method 9010
	EPA Method 9012
	EPA Method 9014
	EPA Method 335.2
Gamma emitters	Gamma Energy Analysis
Hexavalent chromium	EPA Method 7196
Herbicides	EPA Method 8151
Gross alpha and Gross Beta	Liquid scintillation counter or
	EPA Method 9310 – Gas-Flow Proportional Counter
ICP Metals	EPA Method 6010 or
	EPA Method 6010M
ICP/MS Metals - Trace	EPA Method 6020
	EPA Method 6020M
	EPA Method 200.8
Iodine-129	SEP GEA
	SEP LEPS GS
Plutonium -238, Plutonium-239/240	Isotopic Plutonium-Alpha Energy Analysis
Plutonium-241	Liquid Scintillation
Mercury	EPA Method 7471
Neptunium-237	Np-237- Alpha Energy Analysis
Nickel-63	Liquid scintillation
Nitrate	EPA Method 9200
Nitrate/Nitrite	EPA Method 353.2
% Moisture	ASTM D2216
% Solids	% Solids
Oil and Grease	EPA Method 413.1
	EPA Method 9071
pH	EPA 9040
	EPA 9045
	EPA Method 150.1
Particle size	ASTM D422

Protactinium-231	PA231_IE_PLATE_AEA
Chlorinated pesticides	EPA Method 8080
Polychlorinated biphenyls	EPA Method 8081
Polychlorinated biphenyl congeners	EPA Method 1668A
Radium-224, Radium-226, Radium-228	Isotopic radium – Liquid scintillation
Neptunium-237, Plutonium-242, Protactinium-231, Technetium-99, Thorium-230, Thorium-232, Tin-117, Tin-126, Uranium-233, Uranium-234, Uranium-235, Uranium-236, Uranium-238	Radioisotopes-ICP/MS
Selenium-79	Liquid scintillation
Strontium-90	Isotopic strontium – Gas Flow Proportional Counter
Sulfide	EPA Method 9030
Technetium-99	Liquid scintillation
Thorium-228, Thorium-230, Thorium-232, Thorium-234	Isotopic Thorium-Alpha Energy Analysis
Total organic carbon	EPA Method 1915A
Total Inorganic carbon	EPA Method 1915A
Tritium	Liquid Scintillation
Volatile organic analysis	EPA Method 8260 or
	EPA Method 8015
Semivolatile organic analysis	EPA Method 8260
Total petroleum hydrocarbons	EPA Method 8015 or
	EPA Method 418.1
Total petroleum hydrocarbon -diesel range	WTPH
Total petroleum hydrocarbon -gasoline range	WTPH
Uranium-233, Uranium-234, Uranium-233/234, Uranium-235, Uranium-236, Uranium-238	Isotopic Uranium-Alpha Energy Analysis
Total uranium	Kinetic Phosphorescence Analyzer

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
200-E-115	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	9/1/2010	17	0	0	0.14	0.23	--	--	--
200-E-115	1,1,1-Trichloroethane	71-55-6	ug/kg	8/17/2010	9/1/2010	17	0	0	0.076	0.13	4.46E+07	No	No
200-E-115	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/17/2010	9/1/2010	17	0	0	0.17	0.29	2,247	No	No
200-E-115	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	3.25E+07	No	No
200-E-115	1,1,2-Trichloroethane	79-00-5	ug/kg	8/17/2010	9/1/2010	17	0	0	0.14	0.23	4,506	No	No
200-E-115	1,1-Dichloroethene	75-35-4	ug/kg	8/17/2010	9/1/2010	17	0	0	0.35	0.58	1.16E+06	No	No
200-E-115	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/17/2010	9/1/2010	17	0	0	75	77	125,303	No	No
200-E-115	1,2-Dichlorobenzene	95-50-1	ug/kg	8/17/2010	9/1/2010	17	0	0	97	101	7.24E+06	No	No
200-E-115	1,2-Dichloroethane	107-06-2	ug/kg	8/17/2010	9/1/2010	17	0	0	0.044	0.073	2,041	No	No
200-E-115	1-Butanol	71-36-3	ug/kg	8/17/2010	9/1/2010	17	0	0	8.5	14	1.30E+08	No	No
200-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.00E-04	0.0012	--	--	--
200-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	5.10E-04	0.0012	--	--	--
200-E-115	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-E-115	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	568	No	No
200-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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	--	--	--

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
200-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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	559	No	No
200-E-115	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	547	No	No
200-E-115	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	532	No	No
200-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.10E-04	0.0019	--	--	--
200-E-115	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.60E-04	0.0020	--	--	--
200-E-115	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-E-115	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/17/2010	9/1/2010	17	0	0	42	44	9.12E+07	No	No
200-E-115	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/17/2010	9/1/2010	17	0	0	48	50	232,106	No	No
200-E-115	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.30E-04	0.0020	--	--	--
200-E-115	2,4-Dinitrotoluene	121-14-2	ug/kg	8/17/2010	9/1/2010	17	0	0	37	38	8,187	No	No
200-E-115	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	8.40E-04	0.0020	--	--	--
200-E-115	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	709,215	No	No
200-E-115	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	9.00E-04	0.0021	--	--	--
200-E-115	2-Butanone	78-93-3	ug/kg	8/17/2010	9/1/2010	17	0	0	1.6	2.7	2.21E+08	No	No
200-E-115	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	9/1/2010	17	0	0	64	67	6.49E+06	No	No
200-E-115	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/17/2010	9/1/2010	17	0	0	55	58	4.56E+07	No	No
200-E-115	2-Nitrophenol	88-75-5	ug/kg	8/17/2010	9/1/2010	17	0	0	52	54	--	No	No
200-E-115	2-Nitropropane	79-46-9	ug/kg	8/17/2010	9/1/2010	17	0	0	0.48	0.80	262	No	No
200-E-115	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	176	No	No
200-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	--	--
200-E-115	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	51	No	No
200-E-115	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-E-115	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-E-115	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	--	--
200-E-115	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	--	--
200-E-115	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	7.10E-04	0.0017	--	--	--
200-E-115	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/17/2010	9/1/2010	17	0	0	50	51	9.12E+07	No	No
200-E-115	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04	--	--	--
200-E-115	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.085	0.26	10,638	No	No
200-E-115	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.41	1.2	10,211	No	No
200-E-115	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.65	2.0	9,483	No	No
200-E-115	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	8.80E-04	0.0023	--	--	--
200-E-115	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	9/1/2010	17	0	0	42	43	9.12E+07	No	No
200-E-115	4-Methyl-2-pentanone	108-10-1	ug/kg	8/17/2010	9/1/2010	17	0	0	1.4	2.3	1.47E+08	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
200-E-115	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.90E-04	--	--	--
200-E-115	Acenaphthene	83-32-9	ug/kg	8/17/2010	9/1/2010	17	0	0	17	18	5.02E+07	No	No
200-E-115	Acetone	67-64-1	ug/kg	8/17/2010	9/1/2010	17	0	0	1.8	3.0	7.47E+08	No	No
200-E-115	Aldrin	309-00-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.32	0.98	182	No	No
200-E-115	Alpha-BHC	319-84-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.42	405	No	No
200-E-115	Americium-241	14596-10-2	pCi/g	8/17/2010	2/22/2016	21	0	0	0.012	0.63	613	No	No
200-E-115	Antimony-125	14234-35-6	pCi/g	8/17/2010	2/22/2016	21	0	0	0.24	1.2	--	--	--
200-E-115	Aroclor-1016	12674-11-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	30,074	No	No
200-E-115	Aroclor-1221	11104-28-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	839	No	No
200-E-115	Aroclor-1232	11141-16-5	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	689	No	No
200-E-115	Aroclor-1242	53469-21-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	1,015	No	No
200-E-115	Aroclor-1248	12672-29-6	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	998	No	No
200-E-115	Aroclor-1254	11097-69-1	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	1,102	No	No
200-E-115	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	1,101	No	No
200-E-115	Benzene	71-43-2	ug/kg	8/17/2010	9/1/2010	17	0	0	0.12	0.20	3,366	No	No
200-E-115	Benzo(a)anthracene	56-55-3	ug/kg	8/17/2010	9/1/2010	17	0	0	36	38	23,108	No	No
200-E-115	Benzo(a)pyrene	50-32-8	ug/kg	8/17/2010	9/1/2010	17	0	0	40	41	2,344	No	No
200-E-115	Benzo(b)fluoranthene	205-99-2	ug/kg	8/17/2010	9/1/2010	17	0	0	47	49	23,440	No	No
200-E-115	Benzo(k)fluoranthene	207-08-9	ug/kg	8/17/2010	9/1/2010	17	0	0	38	39	234,405	No	No
200-E-115	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.31	0.96	1,418	No	No
200-E-115	Bismuth	7440-69-9	ug/kg	8/18/2010	2/22/2016	5	0	0	3,860	8,310	--	No	No
200-E-115	Bromide	24959-67-9	ug/kg	8/17/2010	2/22/2016	21	0	0	150	580	--	No	No
200-E-115	Carbon disulfide	75-15-0	ug/kg	8/17/2010	9/1/2010	17	0	0	0.13	0.22	3.35E+06	No	No
200-E-115	Carbon tetrachloride	56-23-5	ug/kg	8/17/2010	9/1/2010	17	0	0	0.077	0.13	3,559	No	No
200-E-115	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	9/1/2010	17	0	0	176	182	5.55E+07	No	No
200-E-115	Cesium-137	10045-97-3	pCi/g	8/17/2010	2/22/2016	21	0	0	0.13	0.59	11	No	No
200-E-115	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12	8,256	No	No
200-E-115	Chlorobenzene	108-90-7	ug/kg	8/17/2010	9/1/2010	17	0	0	0.071	0.12	955,007	No	No
200-E-115	Chloroform	67-66-3	ug/kg	8/17/2010	9/1/2010	17	0	0	0.11	0.18	1,478	No	No
200-E-115	Chrysene	218-01-9	ug/kg	8/17/2010	9/1/2010	17	0	0	78	81	2.34E+06	No	No
200-E-115	cis-1,2-Dichloroethylene	156-59-2	ug/kg	8/17/2010	9/1/2010	17	0	0	0.15	0.25	2.60E+06	No	No
200-E-115	Cobalt-60	10198-40-0	pCi/g	8/17/2010	2/22/2016	21	0	0	0.12	0.44	9.4	No	No
200-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	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-E-115	Curium-242	15510-73-3	pCi/g	8/17/2010	2/22/2016	21	0	0	0.0051	0.25	--	No	No
200-E-115	Curium-243/244	CM-243/244	pCi/g	8/17/2010	2/22/2016	21	0	0	0.0092	0.25	105	No	No
200-E-115	Cyanide	57-12-5	ug/kg	8/17/2010	2/22/2016	21	0	0	355	2,770	179,567	No	No
200-E-115	Cyclohexanone	108-94-1	ug/kg	8/17/2010	9/1/2010	17	0	0	537	558	1.27E+08	No	No
200-E-115	Delta-BHC	319-86-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.77	--	No	No
200-E-115	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/17/2010	9/1/2010	17	0	0	49	51	2,344	No	No
200-E-115	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	9/1/2010	17	0	0	860	920	--	--	--
200-E-115	Dieldrin	60-57-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.69	160	No	No
200-E-115	Diethyl ether	60-29-7	ug/kg	8/17/2010	9/1/2010	17	0	0	0.21	0.35	2.60E+08	No	No
200-E-115	Di-n-octylphthalate	117-84-0	ug/kg	8/17/2010	9/1/2010	17	0	0	46	48	9.12E+06	No	No
200-E-115	Endrin	72-20-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.43	273,554	No	No
200-E-115	Ethyl acetate	141-78-6	ug/kg	8/17/2010	9/1/2010	17	0	0	0.48	0.80	3.02E+06	No	No
200-E-115	Ethylbenzene	100-41-4	ug/kg	8/17/2010	9/1/2010	17	0	0	0.088	0.15	14,837	No	No
200-E-115	Ethylene glycol	107-21-1	ug/kg	8/17/2010	9/1/2010	17	0	0	13,000	15,000	1.82E+09	No	No
200-E-115	Europium-152	14683-23-9	pCi/g	8/17/2010	2/22/2016	21	0	0	0.24	2.0	12	No	No
200-E-115	Europium-154	15585-10-1	pCi/g	8/17/2010	2/22/2016	21	0	0	0.26	1.5	13	No	No
200-E-115	Europium-155	14391-16-3	pCi/g	8/17/2010	2/22/2016	21	0	0	0.20	1.0	966	No	No
200-E-115	Fluoranthene	206-44-0	ug/kg	8/17/2010	9/1/2010	17	0	0	34	35	3.35E+07	No	No
200-E-115	Gamma-BHC (Lindane)	58-89-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.18	0.54	2,825	No	No
200-E-115	Heptachlor epoxide	1024-57-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.45	1.4	386	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
200-E-115	Heptachlor	76-44-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.099	0.30	406	No	No
200-E-115	Hexachlorobutadiene	87-68-3	ug/kg	8/17/2010	9/1/2010	17	0	0	67	70	20,984	No	No
200-E-115	Hexachloroethane	67-72-1	ug/kg	8/17/2010	9/1/2010	17	0	0	108	112	15,517	No	No
200-E-115	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/17/2010	9/1/2010	17	0	0	49	51	23,440	No	No
200-E-115	Iodine-129	15046-84-1	pCi/g	8/17/2010	9/1/2010	17	0	0	0.14	1.0	1,943	No	No
200-E-115	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	9/1/2010	17	0	0	443	460	3.89E+08	No	No
200-E-115	Methylene chloride	75-09-2	ug/kg	8/17/2010	9/1/2010	17	0	0	0.053	0.087	1.13E+06	No	No
200-E-115	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	9/1/2010	17	0	0	630	680	--	--	--
200-E-115	Naphthalene	91-20-3	ug/kg	8/17/2010	9/1/2010	17	0	0	60	63	6,724	No	No
200-E-115	Nickel-63	13981-37-8	pCi/g	8/17/2010	2/22/2016	21	0	0	1.3	10	1.10E+06	No	No
200-E-115	Nitrobenzene	98-95-3	ug/kg	8/17/2010	9/1/2010	17	0	0	62	65	13,488	No	No
200-E-115	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	9/1/2010	17	0	0	56	58	365	No	No
200-E-115	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	9/1/2010	17	0	0	184	191	381	No	No
200-E-115	o-Xylene	95-47-6	ug/kg	8/17/2010	9/1/2010	17	0	0	0.076	0.13	1.77E+06	No	No
200-E-115	Palladium	7440-05-3	ug/kg	2/19/2016	2/22/2016	4	0	0	2,440	2,630	--	--	--
200-E-115	Plutonium-238	13981-16-3	pCi/g	8/17/2010	2/22/2016	21	0	0	0.017	0.47	3,370	No	No
200-E-115	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	2/22/2016	21	0	0	0.0090	0.47	2,906	No	No
200-E-115	Plutonium-241	14119-32-5	pCi/g	2/19/2016	2/22/2016	4	0	0	1.4	2.1	31,100	No	No
200-E-115	Praseodymium	7440-10-0	ug/kg	2/19/2016	2/22/2016	4	0	0	5,280	5,690	--	--	--
200-E-115	Pyrene	129-00-0	ug/kg	8/17/2010	9/1/2010	17	0	0	61	63	2.51E+07	No	No
200-E-115	Pyridine	110-86-1	ug/kg	8/17/2010	9/1/2010	17	0	0	63	65	1.30E+06	No	No
200-E-115	Rhodium	7440-16-6	ug/kg	2/19/2016	2/22/2016	4	0	0	2,440	2,630	--	--	--
200-E-115	Rubidium	7440-17-7	ug/kg	2/19/2016	2/22/2016	4	0	0	11,600	12,500	--	--	--
200-E-115	Strontium-90	10098-97-2	pCi/g	8/17/2010	2/22/2016	21	0	0	0.11	0.71	1,968	No	No
200-E-115	Tetrachloroethene	127-18-4	ug/kg	8/17/2010	9/1/2010	17	0	0	0.090	0.15	123,236	No	No
200-E-115	Tin	7440-31-5	ug/kg	2/19/2016	2/22/2016	4	0	0	1,620	1,750	7.79E+08	No	No
200-E-115	Total cresols	1319-77-3	ug/kg	8/17/2010	9/1/2010	17	0	0	103	107	--	--	--
200-E-115	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	8/17/2010	8/29/2010	8	0	0	10	11	--	No	No
200-E-115	trans-1,2-Dichloroethylene	156-60-5	ug/kg	8/17/2010	9/1/2010	17	0	0	0.25	0.41	2.60E+07	No	No
200-E-115	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/17/2010	9/1/2010	17	0	0	0.22	0.37	3,919	No	No
200-E-115	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	9/1/2010	17	0	0	104	108	283,686	No	No
200-E-115	Trichloroethene	79-01-6	ug/kg	8/17/2010	9/1/2010	17	0	0	0.100	0.16	6,141	No	No
200-E-115	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	9/1/2010	17	0	0	0.077	0.13	3.89E+08	No	No
200-E-115	Vinyl chloride	75-01-4	ug/kg	8/17/2010	9/1/2010	17	0	0	0.14	0.24	1,871	No	No
200-E-115	Xylenes (total)	1330-20-7	ug/kg	8/17/2010	9/1/2010	17	0	0	0.17	0.28	1.55E+06	No	No
200-W-54	1,1,1-Trichloroethane	71-55-6	ug/kg	10/19/2001	6/26/2012	3	0	0	1.0	8.0	4.46E+07	No	No
200-W-54	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	2,247	No	No
200-W-54	1,1,2-Trichloroethane	79-00-5	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	4,506	No	No
200-W-54	1,1-Dichloroethane	75-34-3	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	16,804	No	No
200-W-54	1,1-Dichloroethene	75-35-4	ug/kg	10/19/2001	6/26/2012	3	0	0	1.0	8.0	1.16E+06	No	No
200-W-54	1,2,4-Trichlorobenzene	120-82-1	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	125,303	No	No
200-W-54	1,2-Dichlorobenzene	95-50-1	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	7.24E+06	No	No
200-W-54	1,2-Dichloroethane	107-06-2	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	2,041	No	No
200-W-54	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	1.17E+07	No	No
200-W-54	1,2-Dichloropropane	78-87-5	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	9,457	No	No
200-W-54	1,3-Dichlorobenzene	541-73-1	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	--	No	No
200-W-54	1,4-Dichlorobenzene	106-46-7	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	10,749	No	No
200-W-54	2,4,5-Trichlorophenol	95-95-4	ug/kg	10/19/2001	10/19/2001	2	0	0	860	1,200	9.12E+07	No	No
200-W-54	2,4,6-Trichlorophenol	88-06-2	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	232,106	No	No
200-W-54	2,4-Dichlorophenol	120-83-2	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	2.74E+06	No	No
200-W-54	2,4-Dimethylphenol	105-67-9	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	1.82E+07	No	No
200-W-54	2,4-Dinitrophenol	51-28-5	ug/kg	10/19/2001	10/19/2001	2	0	0	860	1,200	1.82E+06	No	No
200-W-54	2,4-Dinitrotoluene	121-14-2	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	8,187	No	No
200-W-54	2,6-Dinitrotoluene	606-20-2	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	1,707	No	No
200-W-54	2-Butanone	78-93-3	ug/kg	10/19/2001	6/26/2012	3	0	0	1.0	18	2.21E+08	No	No
200-W-54	2-Butoxyethanol	111-76-2	ug/kg	6/26/2012	6/26/2012	1	0	0	200	200	9.12E+07	No	No
200-W-54	2-Chloronaphthalene	91-58-7	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	6.70E+07	No	No
200-W-54	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	6.49E+06	No	No
200-W-54	2-Hexanone	591-78-6	ug/kg	10/19/2001	10/19/2001	2	0	0	10	18	1.41E+06	No	No
200-W-54	2-Methylnaphthalene	91-57-6	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	3.35E+06	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
200-W-54	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	10/19/2001	6/26/2012	3	0	0	200	480	4.56E+07	No	No
200-W-54	2-Nitroaniline	88-74-4	ug/kg	10/19/2001	10/19/2001	2	0	0	860	1,200	9.11E+06	No	No
200-W-54	2-Nitrophenol	88-75-5	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	--	No	No
200-W-54	3,3'-Dichlorobenzidine	91-94-1	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	5,674	No	No
200-W-54	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	10/19/2001	6/26/2012	3	0	0	200	480	9.12E+07	No	No
200-W-54	3-Nitroaniline	99-09-2	ug/kg	10/19/2001	10/19/2001	2	0	0	860	1,200	121,580	No	No
200-W-54	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	10/19/2001	10/19/2001	2	0	0	860	1,200	72,948	No	No
200-W-54	4-Bromophenylphenyl ether	101-55-3	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	--	No	No
200-W-54	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	9.12E+07	No	No
200-W-54	4-Chloroaniline	106-47-8	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	12,766	No	No
200-W-54	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	--	No	No
200-W-54	4-Methyl-2-pentanone	108-10-1	ug/kg	10/19/2001	6/26/2012	3	0	0	1.0	18	1.47E+08	No	No
200-W-54	4-Nitroaniline	100-01-6	ug/kg	10/19/2001	10/19/2001	2	0	0	860	1,200	127,659	No	No
200-W-54	4-Nitrophenol	100-02-7	ug/kg	10/19/2001	10/19/2001	2	0	0	860	1,200	--	No	No
200-W-54	Acenaphthene	83-32-9	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	5.02E+07	No	No
200-W-54	Acenaphthylene	208-96-8	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	--	No	No
200-W-54	Acetonitrile	75-05-8	ug/kg	6/26/2012	6/26/2012	1	0	0	2.0	2.0	3.93E+06	No	No
200-W-54	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	2	0	0	0.13	0.13	613	No	No
200-W-54	Anthracene	120-12-7	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	2.51E+08	No	No
200-W-54	Antimony	7440-36-0	ug/kg	6/26/2012	6/26/2012	1	0	0	360	360	519,109	No	No
200-W-54	Antimony-125	14234-35-6	pCi/g	6/26/2012	6/26/2012	1	0	0	0.050	0.050	--	--	--
200-W-54	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/19/2001	2	0	0	34	48	30,074	No	No
200-W-54	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/19/2001	2	0	0	69	96	839	No	No
200-W-54	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/19/2001	2	0	0	34	48	689	No	No
200-W-54	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/19/2001	2	0	0	34	48	1,015	No	No
200-W-54	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/19/2001	2	0	0	34	48	998	No	No
200-W-54	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/19/2001	2	0	0	34	48	1,102	No	No
200-W-54	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	2	0	0	34	48	1,101	No	No
200-W-54	Benzene	71-43-2	ug/kg	10/19/2001	6/26/2012	3	0	0	1.0	8.0	3,366	No	No
200-W-54	Benzo(a)anthracene	56-55-3	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	23,108	No	No
200-W-54	Benzo(a)pyrene	50-32-8	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	2,344	No	No
200-W-54	Benzo(b)fluoranthene	205-99-2	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	23,440	No	No
200-W-54	Benzo(ghi)perylene	191-24-2	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	--	No	No
200-W-54	Benzo(k)fluoranthene	207-08-9	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	234,405	No	No
200-W-54	Benzyl alcohol	100-51-6	ug/kg	6/26/2012	6/26/2012	1	0	0	200	200	9.12E+07	No	No
200-W-54	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	5.19E+07	No	No
200-W-54	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	2.74E+06	No	No
200-W-54	Bis(2-chloroethyl) ether	111-44-4	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	1,156	No	No
200-W-54	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	182,369	No	No
200-W-54	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	2	0	0	300	450	--	No	No
200-W-54	Bromodichloromethane	75-27-4	ug/kg	10/19/2001	6/26/2012	3	0	0	1.0	8.0	1,563	No	No
200-W-54	Bromoform	75-25-2	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	112,175	No	No
200-W-54	Bromomethane	74-83-9	ug/kg	10/19/2001	10/19/2001	2	0	0	10	15	34,119	No	No
200-W-54	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	1.34E+06	No	No
200-W-54	Carbazole	86-74-8	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	181,689	No	No
200-W-54	Carbon disulfide	75-15-0	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	3.35E+06	No	No
200-W-54	Carbon tetrachloride	56-23-5	ug/kg	10/19/2001	6/26/2012	4	0	0	1.0	8.0	3,559	No	No
200-W-54	Carbon-14	14762-75-5	pCi/g	10/19/2001	6/26/2012	3	0	0	3.6	3.9	570,000	No	No
200-W-54	Cesium-134	13967-70-9	pCi/g	6/26/2012	6/26/2012	1	0	0	0.035	0.035	--	--	--
200-W-54	Chlorobenzene	108-90-7	ug/kg	10/19/2001	6/26/2012	3	0	0	1.0	8.0	955,007	No	No
200-W-54	Chloroethane	75-00-3	ug/kg	10/19/2001	10/19/2001	2	0	0	10	15	6.03E+07	No	No
200-W-54	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	1,478	No	No
200-W-54	Chloromethane	74-87-3	ug/kg	10/19/2001	10/19/2001	2	0	0	10	15	494,139	No	No
200-W-54	Chrysene	218-01-9	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	2.34E+06	No	No
200-W-54	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	3,919	No	No
200-W-54	Cobalt-60	10198-40-0	pCi/g	10/19/2001	6/26/2012	3	0	0	0.020	0.044	9.4	No	No
200-W-54	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	2	0	0	450	470	179,567	No	No
200-W-54	Cyclohexanone	108-94-1	ug/kg	6/26/2012	6/26/2012	1	0	0	200	200	1.27E+08	No	No
200-W-54	Dibenz(a,h)anthracene	53-70-3	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	2,344	No	No
200-W-54	Dibenzofuran	132-64-9	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	1.30E+06	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
200-W-54	Dibromochloromethane	124-48-1	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	43,259	No	No
200-W-54	Diethyl ether	60-29-7	ug/kg	6/26/2012	6/26/2012	1	0	0	430	430	2.60E+08	No	No
200-W-54	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	7.29E+08	No	No
200-W-54	Dimethyl phthalate	131-11-3	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	--	No	No
200-W-54	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	--	No	No
200-W-54	Di-n-octylphthalate	117-84-0	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	9.12E+06	No	No
200-W-54	Dodecane	112-40-3	ug/kg	6/26/2012	6/26/2012	1	0	0	200	200	--	--	--
200-W-54	Ethylbenzene	100-41-4	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	14,837	No	No
200-W-54	Europium-152	14683-23-9	pCi/g	10/19/2001	6/26/2012	3	0	0	0.046	0.10	12	No	No
200-W-54	Europium-154	15585-10-1	pCi/g	10/19/2001	6/26/2012	3	0	0	0.083	0.14	13	No	No
200-W-54	Europium-155	14391-16-3	pCi/g	10/19/2001	6/26/2012	3	0	0	0.058	0.11	966	No	No
200-W-54	Fluoranthene	206-44-0	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	3.35E+07	No	No
200-W-54	Fluorene	86-73-7	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	3.35E+07	No	No
200-W-54	Hexachlorobenzene	118-74-1	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	1,591	No	No
200-W-54	Hexachlorobutadiene	87-68-3	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	20,984	No	No
200-W-54	Hexachlorocyclopentadiene	77-47-4	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	62,416	No	No
200-W-54	Hexachloroethane	67-72-1	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	15,517	No	No
200-W-54	Hexane	110-54-3	ug/kg	6/26/2012	6/26/2012	1	0	0	1.0	1.0	3.76E+06	No	No
200-W-54	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	23,440	No	No
200-W-54	Isophorone	78-59-1	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	2.69E+06	No	No
200-W-54	Methanol	67-56-1	ug/kg	6/26/2012	6/26/2012	1	0	0	430	430	1.42E+09	No	No
200-W-54	Naphthalene	91-20-3	ug/kg	10/19/2001	6/26/2012	3	0	0	200	480	6,724	No	No
200-W-54	n-Butylbenzene	104-51-8	ug/kg	6/26/2012	6/26/2012	1	0	0	1.0	1.0	6.49E+07	No	No
200-W-54	Neptunium-237	13994-20-2	pCi/g	10/19/2001	6/26/2012	3	0	0	0.0087	0.25	42	No	No
200-W-54	Nickel-63	13981-37-8	pCi/g	10/19/2001	6/26/2012	3	0	0	2.0	3.2	1.10E+06	No	No
200-W-54	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	2	0	0	1,290	1,800	1.30E+08	No	No
200-W-54	Nitrobenzene	98-95-3	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	13,488	No	No
200-W-54	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	365	No	Yes
200-W-54	n-Nitrosodiphenylamine	86-30-6	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	521,055	No	No
200-W-54	Pentachlorophenol	87-86-5	ug/kg	10/19/2001	10/19/2001	2	0	0	860	1,200	4,414	No	No
200-W-54	Phenanthrene	85-01-8	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	--	No	No
200-W-54	Phenol	108-95-2	ug/kg	10/19/2001	6/26/2012	3	0	0	200	480	9.04E+07	No	No
200-W-54	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	6/26/2012	3	0	0	0.0062	0.27	2,906	No	No
200-W-54	Protactinium-231	14331-85-2	pCi/g	6/26/2012	6/26/2012	1	0	0	0.082	0.082	--	--	--
200-W-54	Pyrene	129-00-0	ug/kg	10/19/2001	6/26/2012	3	0	0	200	480	2.51E+07	No	No
200-W-54	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	2	0	0	300	450	7.79E+08	No	No
200-W-54	Strontium-90	10098-97-2	pCi/g	10/19/2001	6/26/2012	3	0	0	0.33	0.65	1,968	No	No
200-W-54	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	3.65E+07	No	No
200-W-54	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	2	0	0	36,000	55,500	--	No	No
200-W-54	Tetrachloroethene	127-18-4	ug/kg	10/19/2001	6/26/2012	3	0	0	1.0	8.0	123,236	No	No
200-W-54	Tin-126	15832-50-5	pCi/g	6/26/2012	6/26/2012	1	0	0	0.061	0.061	--	--	--
200-W-54	Toluene	108-88-3	ug/kg	10/19/2001	6/26/2012	3	0	0	1.0	8.0	3.87E+07	No	No
200-W-54	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	6/26/2012	3	0	0	4,000	17,200	--	No	No
200-W-54	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	10/19/2001	2	0	0	2,000	2,700	--	No	No
200-W-54	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	10/19/2001	2	0	0	12,300	17,200	--	No	No
200-W-54	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/19/2001	10/19/2001	2	0	0	5.0	8.0	3,919	No	No
200-W-54	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	2	0	0	340	480	283,686	No	No
200-W-54	Trichloroethene	79-01-6	ug/kg	10/19/2001	6/26/2012	3	0	0	1.0	8.0	6,141	No	No
200-W-54	Tritium	10028-17-8	pCi/g	10/19/2001	6/26/2012	3	0	0	0.10	5.2	49,800	No	No
200-W-54	Uranium-235	15117-96-1	pCi/g	10/19/2001	6/26/2012	3	0	0	0.0057	0.18	61	No	No
200-W-54	Vinyl chloride	75-01-4	ug/kg	10/19/2001	10/19/2001	2	0	0	10	15	1,871	No	No
200-W-54	Xylenes (total)	1330-20-7	ug/kg	10/19/2001	6/26/2012	3	0	0	1.0	8.0	1.55E+06	No	No
200-W-92	Carbon tetrachloride	56-23-5	ug/kg	4/16/2002	4/16/2002	1	0	0	1.0	1.0	3,559	No	No
207-A-South	1,1,1-Trichloroethane	71-55-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	4.46E+07	No	No
207-A-South	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2,247	No	No
207-A-South	1,1,2-Trichloroethane	79-00-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	4,506	No	No
207-A-South	1,1-Dichloroethane	75-34-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	16,804	No	No
207-A-South	1,1-Dichloroethene	75-35-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.16E+06	No	No
207-A-South	1,2,4-Trichlorobenzene	120-82-1	ug/kg	9/10/2003	9/10/2003	3	0	0	300	300	125,303	No	No
207-A-South	1,2-Dichlorobenzene	95-50-1	ug/kg	9/10/2003	9/10/2003	3	0	0	370	370	7.24E+06	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
207-A-South	1,2-Dichloroethane	107-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2,041	No	No
207-A-South	1,2-Dichloroethene (Total)	540-59-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.17E+07	No	No
207-A-South	1,2-Dichloropropane	78-87-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	9,457	No	No
207-A-South	1,3-Dichlorobenzene	541-73-1	ug/kg	9/10/2003	9/10/2003	3	0	0	330	330	--	No	No
207-A-South	1,4-Dichlorobenzene	106-46-7	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	10,749	No	No
207-A-South	1-Butanol	71-36-3	ug/kg	9/10/2003	9/10/2003	3	0	0	41	41	1.30E+08	No	No
207-A-South	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	9.12E+06	No	No
207-A-South	2,4,5-Trichlorophenol	95-95-4	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	9.12E+07	No	No
207-A-South	2,4,6-Trichlorophenol	88-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	232,106	No	No
207-A-South	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	2.74E+07	No	No
207-A-South	2,4-Dichlorophenol	120-83-2	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	2.74E+06	No	No
207-A-South	2,4-Dimethylphenol	105-67-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1.82E+07	No	No
207-A-South	2,4-Dinitrophenol	51-28-5	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	1.82E+06	No	No
207-A-South	2,4-Dinitrotoluene	121-14-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	8,187	No	No
207-A-South	2,6-Dinitrotoluene	606-20-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1,707	No	No
207-A-South	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2.21E+08	No	No
207-A-South	2-Butoxyethanol	111-76-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	9.12E+07	No	No
207-A-South	2-Chloronaphthalene	91-58-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	6.70E+07	No	No
207-A-South	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	3	0	0	150	150	6.49E+06	No	No
207-A-South	2-Hexanone	591-78-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.41E+06	No	No
207-A-South	2-Methylnaphthalene	91-57-6	ug/kg	9/10/2003	9/10/2003	3	0	0	180	190	3.35E+06	No	No
207-A-South	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	9/10/2003	11/12/2015	27	0	0	34	113	4.56E+07	No	No
207-A-South	2-Nitroaniline	88-74-4	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	9.11E+06	No	No
207-A-South	2-Nitrophenol	88-75-5	ug/kg	9/10/2003	9/10/2003	3	0	0	180	180	--	No	No
207-A-South	2-Pentanone	107-87-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	--	--
207-A-South	3,3'-Dichlorobenzidine	91-94-1	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	5,674	No	No
207-A-South	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	9/10/2003	11/12/2015	27	0	0	69	120	9.12E+07	No	No
207-A-South	3-Nitroaniline	99-09-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	121,580	No	No
207-A-South	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	10,638	No	No
207-A-South	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	10,211	No	No
207-A-South	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	9,483	No	No
207-A-South	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	72,948	No	No
207-A-South	4-Bromophenylphenyl ether	101-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	9.12E+07	No	No
207-A-South	4-Chloroaniline	106-47-8	ug/kg	9/10/2003	9/10/2003	3	0	0	95	96	12,766	No	No
207-A-South	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Methyl-2-pentanone	108-10-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.47E+08	No	No
207-A-South	4-Nitroaniline	100-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	127,659	No	No
207-A-South	4-Nitrophenol	100-02-7	ug/kg	9/10/2003	9/10/2003	3	0	0	660	670	--	No	No
207-A-South	Acenaphthene	83-32-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	5.02E+07	No	No
207-A-South	Acenaphthylene	208-96-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	Acetone	67-64-1	ug/kg	9/10/2003	11/12/2015	27	0	0	2.0	4.0	7.47E+08	No	No
207-A-South	Aldrin	309-00-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	182	No	No
207-A-South	Alpha-BHC	319-84-6	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	405	No	No
207-A-South	Alpha-Chlordane	5103-71-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	8,256	No	No
207-A-South	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	3	0	0	258	258	--	--	--
207-A-South	Anthracene	120-12-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	2.51E+08	No	No
207-A-South	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	4,930	519,109	No	No
207-A-South	Aroclor-1016	12674-11-2	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	30,074	No	No
207-A-South	Aroclor-1221	11104-28-2	ug/kg	9/10/2003	9/10/2003	3	0	0	99	100	839	No	No
207-A-South	Aroclor-1232	11141-16-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	689	No	No
207-A-South	Aroclor-1242	53469-21-9	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	1,015	No	No
207-A-South	Aroclor-1248	12672-29-6	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	998	No	No
207-A-South	Aroclor-1254	11097-69-1	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	1,102	No	No
207-A-South	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	1,101	No	No
207-A-South	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	3,332	No	No
207-A-South	Benzene	71-43-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3,366	No	No
207-A-South	Benzo(a)anthracene	56-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	23,108	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
207-A-South	Benzo(a)pyrene	50-32-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	2,344	No	No
207-A-South	Benzo(b)fluoranthene	205-99-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	23,440	No	No
207-A-South	Benzo(ghi)perylene	191-24-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Benzo(k)fluoranthene	207-08-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	234,405	No	No
207-A-South	Benzyl alcohol	100-51-6	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	9.12E+07	No	No
207-A-South	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	2.59E+06	No	No
207-A-South	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	1,418	No	No
207-A-South	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	9/10/2003	9/10/2003	3	0	0	260	260	5.19E+07	No	No
207-A-South	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	9/10/2003	9/10/2003	3	0	0	120	120	2.74E+06	No	No
207-A-South	Bis(2-chloroethyl) ether	111-44-4	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	1,156	No	No
207-A-South	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	3	0	0	570	580	182,369	No	No
207-A-South	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	3	0	0	4,970	5,000	--	No	No
207-A-South	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	3	0	0	5,070	5,100	2.60E+08	No	No
207-A-South	Bromodichloromethane	75-27-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1,563	No	No
207-A-South	Bromoform	75-25-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	112,175	No	No
207-A-South	Bromomethane	74-83-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	34,119	No	No
207-A-South	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1.34E+06	No	No
207-A-South	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	1.11E+06	No	No
207-A-South	Carbazole	86-74-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	181,689	No	No
207-A-South	Carbon disulfide	75-15-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.35E+06	No	No
207-A-South	Carbon tetrachloride	56-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3,559	No	No
207-A-South	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	3.8	570,000	No	No
207-A-South	Chlorobenzene	108-90-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	955,007	No	No
207-A-South	Chloroethane	75-00-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	6.03E+07	No	No
207-A-South	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1,478	No	No
207-A-South	Chloromethane	74-87-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	494,139	No	No
207-A-South	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	--	No	No
207-A-South	Chrysene	218-01-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	2.34E+06	No	No
207-A-South	cis-1,3-Dichloropropene	10061-01-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3,919	No	No
207-A-South	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	3	0	0	200	200	179,567	No	No
207-A-South	Dalapon	75-99-0	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	2.74E+07	No	No
207-A-South	Delta-BHC	319-86-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Dibenz(a,h)anthracene	53-70-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	2,344	No	No
207-A-South	Dibenzofuran	132-64-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1.30E+06	No	No
207-A-South	Dibromochloromethane	124-48-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	43,259	No	No
207-A-South	Dicamba	1918-00-9	ug/kg	9/3/2003	9/4/2003	5	0	0	70	75	2.74E+07	No	No
207-A-South	Dichloroprop	120-36-5	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Dieldrin	60-57-1	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	160	No	No
207-A-South	Diethyl ether	60-29-7	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	2.60E+08	No	No
207-A-South	Dimethyl phthalate	131-11-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	3	0	0	89	89	--	No	No
207-A-South	Di-n-octylphthalate	117-84-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	9.12E+06	No	No
207-A-South	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	911,847	No	No
207-A-South	Endosulfan I	959-98-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	7.79E+06	No	No
207-A-South	Endosulfan II	33213-65-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	7.79E+06	No	No
207-A-South	Endosulfan sulfate	1031-07-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	5.47E+06	No	No
207-A-South	Endrin aldehyde	7421-93-4	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin ketone	53494-70-5	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin	72-20-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	273,554	No	No
207-A-South	Ethylbenzene	100-41-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	14,837	No	No
207-A-South	Ethylene glycol	107-21-1	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	1.82E+09	No	No
207-A-South	Fluoranthene	206-44-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3.35E+07	No	No
207-A-South	Fluorene	86-73-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3.35E+07	No	No
207-A-South	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	3	0	0	350	350	5.19E+07	No	No
207-A-South	Gamma-BHC (Lindane)	58-89-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	2,825	No	No
207-A-South	Heptachlor epoxide	1024-57-3	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	386	No	No
207-A-South	Heptachlor	76-44-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	406	No	No
207-A-South	Hexachlorobenzene	118-74-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1,591	No	No
207-A-South	Hexachlorobutadiene	87-68-3	ug/kg	9/10/2003	9/10/2003	3	0	0	370	380	20,984	No	No
207-A-South	Hexachlorocyclopentadiene	77-47-4	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	62,416	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
207-A-South	Hexachloroethane	67-72-1	ug/kg	9/10/2003	9/10/2003	3	0	0	480	480	15,517	No	No
207-A-South	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/10/2003	12	0	0	410	450	7,263	No	No
207-A-South	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	23,440	No	No
207-A-South	Iodine-129	15046-84-1	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	12	1,943	No	No
207-A-South	Isophorone	78-59-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	2.69E+06	No	No
207-A-South	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	3	0	0	11,700	11,800	--	No	No
207-A-South	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	389,332	No	No
207-A-South	Methanol	67-56-1	ug/kg	9/10/2003	9/10/2003	3	0	0	1,000	1,000	1.42E+09	No	No
207-A-South	Methoxychlor	72-43-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	4.56E+06	No	No
207-A-South	Methylene chloride	75-09-2	ug/kg	9/10/2003	11/12/2015	27	0	0	1.3	6.7	1.13E+06	No	No
207-A-South	Naphthalene	91-20-3	ug/kg	9/10/2003	9/10/2003	3	0	0	290	290	6,724	No	No
207-A-South	n-Butylbenzene	104-51-8	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	6.49E+07	No	No
207-A-South	Neptunium-237	13994-20-2	pCi/g	9/3/2003	9/10/2003	12	0	0	0.017	0.29	42	No	No
207-A-South	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	6,500	2.59E+07	No	No
207-A-South	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/10/2003	12	0	0	2.3	2.8	1.10E+06	No	No
207-A-South	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	3	0	0	1,480	1,480	1.30E+08	No	No
207-A-South	Nitrobenzene	98-95-3	ug/kg	9/10/2003	9/10/2003	3	0	0	270	270	13,488	No	No
207-A-South	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	365	No	No
207-A-South	n-Nitrosodiphenylamine	86-30-6	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	521,055	No	No
207-A-South	Oil and grease	OIL/GREASE	ug/kg	9/3/2003	9/10/2003	12	0	0	680,000	748,000	--	--	--
207-A-South	Pentachlorophenol	87-86-5	ug/kg	9/10/2003	9/10/2003	3	0	0	310	310	4,414	No	No
207-A-South	Phenanthrene	85-01-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	9.04E+07	No	No
207-A-South	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	3	0	0	1,990	1,990	--	No	No
207-A-South	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	2.51E+07	No	No
207-A-South	Ruthenium-103	13968-53-1	pCi/g	9/10/2003	9/10/2003	3	0	0	0.0090	0.015	--	--	--
207-A-South	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	6.49E+06	No	No
207-A-South	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.65E+07	No	No
207-A-South	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/10/2003	12	0	0	0.44	0.61	165,700	No	No
207-A-South	Tetrachloroethene	127-18-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	123,236	No	No
207-A-South	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	3	0	0	0.090	0.20	--	--	--
207-A-South	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.87E+07	No	No
207-A-South	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	--	No	No
207-A-South	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	--	No	No
207-A-South	Toxaphene	8001-35-2	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	2,321	No	No
207-A-South	trans-1,3-Dichloropropene	10061-02-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3,919	No	No
207-A-South	trans-Chlordane	5103-74-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	8,256	No	No
207-A-South	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	283,686	No	No
207-A-South	Trichloroethene	79-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	6,141	No	No
207-A-South	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	259,551	No	No
207-A-South	Vinyl chloride	75-01-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1,871	No	No
207-A-South	Xylenes (total)	1330-20-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.55E+06	No	No
207-T	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	4.46E+07	No	No
207-T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	2,247	No	No
207-T	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	4,506	No	No
207-T	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	16,804	No	No
207-T	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	1.16E+06	No	No
207-T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	125,303	No	No
207-T	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	7.24E+06	No	No
207-T	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	2,041	No	No
207-T	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	1.17E+07	No	No
207-T	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	9,457	No	No
207-T	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	--	No	No
207-T	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	10,749	No	No
207-T	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	12/4/2000	8	0	0	820	1,000	9.12E+07	No	No
207-T	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	232,106	No	No
207-T	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	2.74E+06	No	No
207-T	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	1.82E+07	No	No
207-T	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	12/4/2000	8	0	0	820	1,000	1.82E+06	No	No

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207-T	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	8,187	No	No
207-T	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	1,707	No	No
207-T	2-Butanone	78-93-3	ug/kg	8/7/2000	12/4/2000	8	0	0	10	12	2.21E+08	No	No
207-T	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	6.70E+07	No	No
207-T	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	6.49E+06	No	No
207-T	2-Hexanone	591-78-6	ug/kg	8/7/2000	12/4/2000	8	0	0	10	12	1.41E+06	No	No
207-T	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	3.35E+06	No	No
207-T	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	4.56E+07	No	No
207-T	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	12/4/2000	8	0	0	820	1,000	9.11E+06	No	No
207-T	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	--	No	No
207-T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	5,674	No	No
207-T	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	9.12E+07	No	No
207-T	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	12/4/2000	8	0	0	820	1,000	121,580	No	No
207-T	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	12/4/2000	8	0	0	820	1,000	72,948	No	No
207-T	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	--	No	No
207-T	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	9.12E+07	No	No
207-T	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	12,766	No	No
207-T	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	--	No	No
207-T	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	12/4/2000	8	0	0	10	12	1.47E+08	No	No
207-T	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	12/4/2000	8	0	0	820	1,000	127,659	No	No
207-T	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	12/4/2000	8	0	0	820	1,000	--	No	No
207-T	Acenaphthene	83-32-9	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	5.02E+07	No	No
207-T	Acenaphthylene	208-96-8	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	--	No	No
207-T	Americium-241	14596-10-2	pCi/g	8/7/2000	12/4/2000	12	0	0	0.035	0.21	613	No	No
207-T	Anthracene	120-12-7	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	2.51E+08	No	No
207-T	Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0	0.028	0.034	--	--	--
207-T	Benzene	71-43-2	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	3,366	No	No
207-T	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	23,108	No	No
207-T	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	2,344	No	No
207-T	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	23,440	No	No
207-T	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	--	No	No
207-T	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	234,405	No	No
207-T	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	5.19E+07	No	No
207-T	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	2.74E+06	No	No
207-T	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	1,156	No	No
207-T	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	1,563	No	No
207-T	Bromoform	75-25-2	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	112,175	No	No
207-T	Bromomethane	74-83-9	ug/kg	8/7/2000	12/4/2000	8	0	0	10	12	34,119	No	No
207-T	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	1.34E+06	No	No
207-T	Cadmium	7440-43-9	ug/kg	8/7/2000	12/4/2000	6	0	0	30	30	1.11E+06	No	No
207-T	Carbazole	86-74-8	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	181,689	No	No
207-T	Carbon disulfide	75-15-0	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	3.35E+06	No	No
207-T	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	3,559	No	No
207-T	Chlorobenzene	108-90-7	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	955,007	No	No
207-T	Chloroethane	75-00-3	ug/kg	8/7/2000	12/4/2000	8	0	0	10	12	6.03E+07	No	No
207-T	Chloromethane	74-87-3	ug/kg	8/7/2000	12/4/2000	8	0	0	10	12	494,139	No	No
207-T	Chrysene	218-01-9	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	2.34E+06	No	No
207-T	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	3,919	No	No
207-T	Cyanide	57-12-5	ug/kg	8/7/2000	12/4/2000	6	0	0	490	600	179,567	No	No
207-T	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	2,344	No	No
207-T	Dibenzofuran	132-64-9	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	1.30E+06	No	No
207-T	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	43,259	No	No
207-T	Diethylphthalate	84-66-2	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	7.29E+08	No	No
207-T	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	--	No	No
207-T	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	--	No	No
207-T	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	9.12E+06	No	No
207-T	Ethylbenzene	100-41-4	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	14,837	No	No
207-T	Fluoranthene	206-44-0	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	3.35E+07	No	No
207-T	Fluorene	86-73-7	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	3.35E+07	No	No
207-T	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	1,591	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
207-T	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	20,984	No	No
207-T	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	62,416	No	No
207-T	Hexachloroethane	67-72-1	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	15,517	No	No
207-T	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	23,440	No	No
207-T	Iodine-129	15046-84-1	pCi/g	8/7/2000	12/4/2000	12	0	0	0.96	3.8	1,943	No	No
207-T	Isophorone	78-59-1	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	2.69E+06	No	No
207-T	Mercury	7439-97-6	ug/kg	8/7/2000	12/4/2000	6	0	0	20	20	389,332	No	No
207-T	Naphthalene	91-20-3	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	6,724	No	No
207-T	Nitrobenzene	98-95-3	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	13,488	No	No
207-T	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	365	No	Yes
207-T	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	521,055	No	No
207-T	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	12/4/2000	8	0	0	820	1,000	4,414	No	No
207-T	Phenanthrene	85-01-8	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	--	No	No
207-T	Pyrene	129-00-0	ug/kg	8/7/2000	12/4/2000	8	0	0	330	410	2.51E+07	No	No
207-T	Silver	7440-22-4	ug/kg	8/7/2000	12/4/2000	6	0	0	100	120	6.49E+06	No	No
207-T	Styrene	100-42-5	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	3.65E+07	No	No
207-T	Sulfide	18496-25-8	ug/kg	8/7/2000	12/4/2000	6	0	0	37,700	46,800	--	No	No
207-T	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	123,236	No	No
207-T	Toluene	108-88-3	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	3.87E+07	No	No
207-T	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	3,919	No	No
207-T	Trichloroethene	79-01-6	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	6,141	No	No
207-T	Vinyl chloride	75-01-4	ug/kg	8/7/2000	12/4/2000	8	0	0	10	12	1,871	No	No
207-T	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	12/4/2000	8	0	0	5.0	6.0	1.55E+06	No	No
216-A-34	1,1,1-Trichloroethane	71-55-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	4.46E+07	No	No
216-A-34	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	2,247	No	No
216-A-34	1,1,2-Trichloroethane	79-00-5	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	4,506	No	No
216-A-34	1,1-Dichloroethane	75-34-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	16,804	No	No
216-A-34	1,1-Dichloroethene	75-35-4	ug/kg	4/4/2003	4/17/2003	10	0	0	1.8	2.1	1.16E+06	No	No
216-A-34	1,2,4-Trichlorobenzene	120-82-1	ug/kg	4/4/2003	4/17/2003	10	0	0	290	310	125,303	No	No
216-A-34	1,2-Dichlorobenzene	95-50-1	ug/kg	4/4/2003	4/17/2003	10	0	0	360	380	7.24E+06	No	No
216-A-34	1,2-Dichloroethane	107-06-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	2,041	No	No
216-A-34	1,2-Dichloroethene (Total)	540-59-0	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1.17E+07	No	No
216-A-34	1,2-Dichloropropane	78-87-5	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	9,457	No	No
216-A-34	1,3-Dichlorobenzene	541-73-1	ug/kg	4/4/2003	4/17/2003	10	0	0	320	340	--	No	No
216-A-34	1,4-Dichlorobenzene	106-46-7	ug/kg	4/4/2003	4/17/2003	10	0	0	310	330	10,749	No	No
216-A-34	1-Butanol	71-36-3	ug/kg	4/4/2003	4/17/2003	10	0	0	18	21	1.30E+08	No	No
216-A-34	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	9.12E+06	No	No
216-A-34	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	0	17	17	7.29E+06	No	No
216-A-34	2,4,5-Trichlorophenol	95-95-4	ug/kg	4/4/2003	4/17/2003	10	0	0	73	690	9.12E+07	No	No
216-A-34	2,4,6-Trichlorophenol	88-06-2	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	232,106	No	No
216-A-34	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	4/4/2003	1	0	0	34	34	1.07E+07	No	No
216-A-34	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	2.74E+07	No	No
216-A-34	2,4-Dichlorophenol	120-83-2	ug/kg	4/4/2003	4/17/2003	10	0	0	79	84	2.74E+06	No	No
216-A-34	2,4-Dimethylphenol	105-67-9	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	1.82E+07	No	No
216-A-34	2,4-Dinitrophenol	51-28-5	ug/kg	4/4/2003	4/17/2003	10	0	0	230	700	1.82E+06	No	No
216-A-34	2,4-Dinitrotoluene	121-14-2	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	8,187	No	No
216-A-34	2,6-Dinitrotoluene	606-20-2	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	1,707	No	No
216-A-34	2-Butanone	78-93-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	2.21E+08	No	No
216-A-34	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	4/17/2003	10	0	0	99	110	9.12E+07	No	No
216-A-34	2-Chloronaphthalene	91-58-7	ug/kg	4/4/2003	4/17/2003	10	0	0	79	84	6.70E+07	No	No
216-A-34	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/17/2003	10	0	0	150	150	6.49E+06	No	No
216-A-34	2-Hexanone	591-78-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1.41E+06	No	No
216-A-34	2-Methylnaphthalene	91-57-6	ug/kg	4/4/2003	4/17/2003	10	0	0	180	190	3.35E+06	No	No
216-A-34	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	4.56E+07	No	No
216-A-34	2-Nitroaniline	88-74-4	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	9.11E+06	No	No
216-A-34	2-Nitrophenol	88-75-5	ug/kg	4/4/2003	4/17/2003	10	0	0	170	180	--	No	No
216-A-34	2-Pentanone	107-87-9	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	--	--	--
216-A-34	3,3'-Dichlorobenzidine	91-94-1	ug/kg	4/4/2003	4/17/2003	10	0	0	79	84	5,674	No	No
216-A-34	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/17/2003	10	0	0	110	120	4.56E+07	No	No
216-A-34	3-Nitroaniline	99-09-2	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	121,580	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
216-A-34	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	10,638	No	No
216-A-34	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	10,211	No	No
216-A-34	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	9,483	No	No
216-A-34	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	4/4/2003	4/17/2003	10	0	0	660	700	72,948	No	No
216-A-34	4-Bromophenylphenyl ether	101-55-3	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	--	No	No
216-A-34	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	9.12E+07	No	No
216-A-34	4-Chloroaniline	106-47-8	ug/kg	4/4/2003	4/17/2003	10	0	0	92	98	12,766	No	No
216-A-34	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	--	No	No
216-A-34	4-Methyl-2-pentanone	108-10-1	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1.47E+08	No	No
216-A-34	4-Nitroaniline	100-01-6	ug/kg	4/4/2003	4/17/2003	10	0	0	240	260	127,659	No	No
216-A-34	4-Nitrophenol	100-02-7	ug/kg	4/4/2003	4/17/2003	10	0	0	640	680	--	No	No
216-A-34	Acenaphthene	83-32-9	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	5.02E+07	No	No
216-A-34	Acenaphthylene	208-96-8	ug/kg	4/4/2003	4/17/2003	10	0	0	79	84	--	No	No
216-A-34	Acetone	67-64-1	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	7.47E+08	No	No
216-A-34	Aldrin	309-00-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	182	No	No
216-A-34	Alpha-BHC	319-84-6	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	405	No	No
216-A-34	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	8,256	No	No
216-A-34	Ammonia	7664-41-7	ug/kg	4/7/2003	4/7/2003	1	0	0	243	243	--	--	--
216-A-34	Anthracene	120-12-7	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	2.51E+08	No	No
216-A-34	Antimony	7440-36-0	ug/kg	4/4/2003	4/17/2003	10	0	0	239	2,480	519,109	No	No
216-A-34	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/17/2003	10	0	0	0.024	0.057	--	--	--
216-A-34	Benzene	71-43-2	ug/kg	4/4/2003	4/17/2003	10	0	0	1.8	2,000	3,366	No	No
216-A-34	Benzo(a)anthracene	56-55-3	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	23,108	No	No
216-A-34	Benzo(a)pyrene	50-32-8	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	2,344	No	No
216-A-34	Benzo(b)fluoranthene	205-99-2	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	23,440	No	No
216-A-34	Benzo(ghi)perylene	191-24-2	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	--	No	No
216-A-34	Benzo(k)fluoranthene	207-08-9	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	234,405	No	No
216-A-34	Benzyl alcohol	100-51-6	ug/kg	4/4/2003	4/7/2003	4	0	0	75	77	9.12E+07	No	No
216-A-34	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	1,418	No	No
216-A-34	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	4/4/2003	4/17/2003	10	0	0	250	270	5.19E+07	No	No
216-A-34	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	4/4/2003	4/17/2003	10	0	0	110	120	2.74E+06	No	No
216-A-34	Bis(2-chloroethyl) ether	111-44-4	ug/kg	4/4/2003	4/17/2003	10	0	0	240	260	1,156	No	No
216-A-34	Bromide	24959-67-9	ug/kg	4/4/2003	4/17/2003	10	0	0	450	2,250	--	No	No
216-A-34	Bromodichloromethane	75-27-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1,563	No	No
216-A-34	Bromoform	75-25-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	112,175	No	No
216-A-34	Bromomethane	74-83-9	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	34,119	No	No
216-A-34	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	1.34E+06	No	No
216-A-34	Carbazole	86-74-8	ug/kg	4/4/2003	4/17/2003	10	0	0	79	84	181,689	No	No
216-A-34	Carbon disulfide	75-15-0	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	3.35E+06	No	No
216-A-34	Carbon tetrachloride	56-23-5	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	3,559	No	No
216-A-34	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/17/2003	10	0	0	1.7	3.8	570,000	No	No
216-A-34	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/17/2003	10	0	0	0.011	0.031	--	--	--
216-A-34	Chlorobenzene	108-90-7	ug/kg	4/4/2003	4/17/2003	10	0	0	1.8	2,000	955,007	No	No
216-A-34	Chloroethane	75-00-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	6.03E+07	No	No
216-A-34	Chloroform	67-66-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1,478	No	No
216-A-34	Chloromethane	74-87-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	494,139	No	No
216-A-34	Chrysene	218-01-9	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	2.34E+06	No	No
216-A-34	cis-1,3-Dichloropropene	10061-01-5	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	3,919	No	No
216-A-34	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/17/2003	10	0	0	0.0090	0.028	9.4	No	No
216-A-34	Cyanide	57-12-5	ug/kg	4/4/2003	4/17/2003	10	0	0	190	200	179,567	No	No
216-A-34	Dalapon	75-99-0	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	2.74E+07	No	No
216-A-34	Delta-BHC	319-86-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Dibenz(a,h)anthracene	53-70-3	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	2,344	No	No
216-A-34	Dibenzofuran	132-64-9	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	1.30E+06	No	No
216-A-34	Dibromochloromethane	124-48-1	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	43,259	No	No
216-A-34	Dicamba	1918-00-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	2.74E+07	No	No
216-A-34	Dichloroprop	120-36-5	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Dieldrin	60-57-1	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	160	No	No
216-A-34	Diethyl ether	60-29-7	ug/kg	4/4/2003	4/17/2003	10	0	0	5,000	5,000	2.60E+08	No	No
216-A-34	Dimethyl phthalate	131-11-3	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	--	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
216-A-34	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/17/2003	10	0	0	86	91	--	No	No
216-A-34	Di-n-octylphthalate	117-84-0	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	9.12E+06	No	No
216-A-34	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	911,847	No	No
216-A-34	Endosulfan I	959-98-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	7.79E+06	No	No
216-A-34	Endosulfan II	33213-65-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	7.79E+06	No	No
216-A-34	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	5.47E+06	No	No
216-A-34	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin ketone	53494-70-5	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin	72-20-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	273,554	No	No
216-A-34	Ethylbenzene	100-41-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	14,837	No	No
216-A-34	Ethylene glycol	107-21-1	ug/kg	4/4/2003	4/17/2003	10	0	0	5,000	5,000	1.82E+09	No	No
216-A-34	Europium-152	14683-23-9	pCi/g	4/4/2003	4/17/2003	10	0	0	0.027	0.058	12	No	No
216-A-34	Europium-154	15585-10-1	pCi/g	4/4/2003	4/17/2003	10	0	0	0.028	0.083	13	No	No
216-A-34	Fluoranthene	206-44-0	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	3.35E+07	No	No
216-A-34	Fluorene	86-73-7	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	3.35E+07	No	No
216-A-34	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	2,825	No	No
216-A-34	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	386	No	No
216-A-34	Heptachlor	76-44-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	406	No	No
216-A-34	Hexachlorobenzene	118-74-1	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	1,591	No	No
216-A-34	Hexachlorobutadiene	87-68-3	ug/kg	4/4/2003	4/17/2003	10	0	0	360	390	20,984	No	No
216-A-34	Hexachlorocyclopentadiene	77-47-4	ug/kg	4/4/2003	4/17/2003	10	0	0	310	330	62,416	No	No
216-A-34	Hexachloroethane	67-72-1	ug/kg	4/4/2003	4/17/2003	9	0	0	460	490	15,517	No	No
216-A-34	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/17/2003	10	0	0	410	420	7,263	No	No
216-A-34	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	23,440	No	No
216-A-34	Iodine-129	15046-84-1	pCi/g	4/4/2003	4/17/2003	10	0	0	1.1	3.2	1,943	No	No
216-A-34	Isophorone	78-59-1	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	2.69E+06	No	No
216-A-34	Mercury	7439-97-6	ug/kg	4/4/2003	4/17/2003	10	0	0	48	496	389,332	No	No
216-A-34	Methanol	67-56-1	ug/kg	4/4/2003	4/17/2003	10	0	0	1,000	1,000	1.42E+09	No	No
216-A-34	Methoxychlor	72-43-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	4.56E+06	No	No
216-A-34	Methylene chloride	75-09-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1.13E+06	No	No
216-A-34	Naphthalene	91-20-3	ug/kg	4/4/2003	4/17/2003	10	0	0	280	300	6,724	No	No
216-A-34	n-Butylbenzene	104-51-8	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	6.49E+07	No	No
216-A-34	Neptunium-237	13994-20-2	pCi/g	4/4/2003	4/17/2003	10	0	0	0.054	0.26	42	No	No
216-A-34	Nitrobenzene	98-95-3	ug/kg	4/4/2003	4/17/2003	10	0	0	260	270	13,488	No	No
216-A-34	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	365	No	No
216-A-34	n-Nitrosodiphenylamine	86-30-6	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	521,055	No	No
216-A-34	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	4/17/2003	10	0	0	679,000	709,000	--	--	--
216-A-34	Pentachlorophenol	87-86-5	ug/kg	4/4/2003	4/17/2003	10	0	0	300	320	4,414	No	No
216-A-34	Phenanthrene	85-01-8	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	--	No	No
216-A-34	Phenol	108-95-2	ug/kg	4/4/2003	4/17/2003	10	0	0	99	110	9.04E+07	No	No
216-A-34	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/17/2003	10	0	0	0.025	0.28	3,370	No	No
216-A-34	Pyrene	129-00-0	ug/kg	4/4/2003	4/17/2003	10	0	0	66	70	2.51E+07	No	No
216-A-34	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	4/17/2003	10	0	0	0.0080	0.021	--	--	--
216-A-34	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/17/2003	10	0	0	0.075	0.21	--	--	--
216-A-34	Selenium	7782-49-2	ug/kg	4/4/2003	4/17/2003	10	0	0	1,310	1,490	6.49E+06	No	No
216-A-34	Styrene	100-42-5	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	3.65E+07	No	No
216-A-34	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/17/2003	10	0	0	0.53	0.58	165,700	No	No
216-A-34	Tetrachloroethene	127-18-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	123,236	No	No
216-A-34	Tin-126	15832-50-5	pCi/g	4/4/2003	4/17/2003	10	0	0	0.0080	0.20	--	--	--
216-A-34	Toluene	108-88-3	ug/kg	4/4/2003	4/17/2003	10	0	0	1.8	2.1	3.87E+07	No	No
216-A-34	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	4/4/2003	4/17/2003	10	0	0	50	250	--	No	No
216-A-34	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	4/4/2003	4/17/2003	10	0	0	4,000	5,000	--	No	No
216-A-34	Toxaphene	8001-35-2	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	2,321	No	No
216-A-34	trans-1,3-Dichloropropene	10061-02-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	3,919	No	No
216-A-34	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	8,256	No	No
216-A-34	Trichloroethene	79-01-6	ug/kg	4/4/2003	4/17/2003	10	0	0	1.8	2,000	6,141	No	No
216-A-34	Vinyl chloride	75-01-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1,871	No	No
216-A-34	Xylenes (total)	1330-20-7	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1.55E+06	No	No
UPR-200-E-64	1,1,1-Trichloroethane	71-55-6	ug/kg	2/13/2008	2/22/2010	4	0	0	0.15	1.1	4.46E+07	No	No
UPR-200-E-64	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	2/13/2008	2/22/2010	4	0	0	0.14	1.1	2,247	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
UPR-200-E-64	1,1,2-Trichloroethane	79-00-5	ug/kg	2/13/2008	2/22/2010	4	0	0	0.29	1.1	4,506	No	No
UPR-200-E-64	1,1-Dichloroethane	75-34-3	ug/kg	2/13/2008	2/22/2010	4	0	0	0.94	1.1	16,804	No	No
UPR-200-E-64	1,1-Dichloroethene	75-35-4	ug/kg	2/13/2008	2/22/2010	4	0	0	0.56	1.1	1.16E+06	No	No
UPR-200-E-64	1,2,4-Trichlorobenzene	120-82-1	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	125,303	No	No
UPR-200-E-64	1,2,4-Trimethylbenzene	95-63-6	ug/kg	2/13/2008	2/13/2008	1	0	0	0.22	0.22	--	--	--
UPR-200-E-64	1,2-Dichlorobenzene	95-50-1	ug/kg	2/9/2010	2/22/2010	3	0	0	230	280	7.24E+06	No	No
UPR-200-E-64	1,2-Dichloroethane	107-06-2	ug/kg	2/13/2008	2/22/2010	4	0	0	0.44	1.1	2,041	No	No
UPR-200-E-64	1,2-Dichloroethene (Total)	540-59-0	ug/kg	2/13/2008	2/22/2010	4	0	0	0.55	1.1	1.17E+07	No	No
UPR-200-E-64	1,2-Dichloropropane	78-87-5	ug/kg	2/13/2008	2/22/2010	4	0	0	0.38	1.1	9,457	No	No
UPR-200-E-64	1,3-Dichlorobenzene	541-73-1	ug/kg	2/9/2010	2/22/2010	3	0	0	290	350	--	No	No
UPR-200-E-64	1,4-Dichlorobenzene	106-46-7	ug/kg	2/9/2010	2/22/2010	3	0	0	260	320	10,749	No	No
UPR-200-E-64	1-Butanol	71-36-3	ug/kg	2/13/2008	2/13/2008	1	0	0	3.4	3.4	1.30E+08	No	No
UPR-200-E-64	2,4,5-Trichlorophenol	95-95-4	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	9.12E+07	No	No
UPR-200-E-64	2,4,6-Trichlorophenol	88-06-2	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	232,106	No	No
UPR-200-E-64	2,4-Dichlorophenol	120-83-2	ug/kg	2/9/2010	2/22/2010	3	0	0	180	220	2.74E+06	No	No
UPR-200-E-64	2,4-Dimethylphenol	105-67-9	ug/kg	2/9/2010	2/22/2010	3	0	0	240	290	1.82E+07	No	No
UPR-200-E-64	2,4-Dinitrophenol	51-28-5	ug/kg	2/9/2010	2/22/2010	3	0	0	650	780	1.82E+06	No	No
UPR-200-E-64	2,4-Dinitrotoluene	121-14-2	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	8,187	No	No
UPR-200-E-64	2,6-Dinitrotoluene	606-20-2	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	1,707	No	No
UPR-200-E-64	2-Butanone	78-93-3	ug/kg	2/13/2008	2/22/2010	4	0	0	0.94	1.4	2.21E+08	No	No
UPR-200-E-64	2-Chloronaphthalene	91-58-7	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	6.70E+07	No	No
UPR-200-E-64	2-Chlorophenol	95-57-8	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	6.49E+06	No	No
UPR-200-E-64	2-Hexanone	591-78-6	ug/kg	2/13/2008	2/22/2010	4	0	0	0.28	1.1	1.41E+06	No	No
UPR-200-E-64	2-Methylnaphthalene	91-57-6	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	3.35E+06	No	No
UPR-200-E-64	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	4.56E+07	No	No
UPR-200-E-64	2-Nitroaniline	88-74-4	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	9.11E+06	No	No
UPR-200-E-64	2-Nitrophenol	88-75-5	ug/kg	2/9/2010	2/22/2010	3	0	0	180	220	--	No	No
UPR-200-E-64	3,3'-Dichlorobenzidine	91-94-1	ug/kg	2/9/2010	2/22/2010	3	0	0	350	420	5,674	No	No
UPR-200-E-64	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	9.12E+07	No	No
UPR-200-E-64	3-Nitroaniline	99-09-2	ug/kg	2/9/2010	2/22/2010	3	0	0	190	240	121,580	No	No
UPR-200-E-64	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	2/9/2010	2/22/2010	3	0	0	350	420	72,948	No	No
UPR-200-E-64	4-Bromophenylphenyl ether	101-55-3	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	--	No	No
UPR-200-E-64	4-Chloro-3-methylphenol	59-50-7	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	9.12E+07	No	No
UPR-200-E-64	4-Chloroaniline	106-47-8	ug/kg	2/9/2010	2/22/2010	3	0	0	290	360	12,766	No	No
UPR-200-E-64	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	--	No	No
UPR-200-E-64	4-Methyl-2-pentanone	108-10-1	ug/kg	2/13/2008	2/22/2010	4	0	0	0.94	1.6	1.47E+08	No	No
UPR-200-E-64	4-Nitroaniline	100-01-6	ug/kg	2/9/2010	2/22/2010	3	0	0	290	350	127,659	No	No
UPR-200-E-64	4-Nitrophenol	100-02-7	ug/kg	2/9/2010	2/22/2010	3	0	0	350	420	--	No	No
UPR-200-E-64	Acenaphthene	83-32-9	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	5.02E+07	No	No
UPR-200-E-64	Acenaphthylene	208-96-8	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	--	No	No
UPR-200-E-64	Acetone	67-64-1	ug/kg	2/13/2008	2/22/2010	4	0	0	0.94	3.9	7.47E+08	No	No
UPR-200-E-64	Acetonitrile	75-05-8	ug/kg	2/13/2008	2/13/2008	1	0	0	2.0	2.0	3.93E+06	No	No
UPR-200-E-64	Anthracene	120-12-7	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	2.51E+08	No	No
UPR-200-E-64	Antimony-125	14234-35-6	pCi/g	2/13/2008	2/14/2008	2	0	0	0.026	14	--	--	--
UPR-200-E-64	Aroclor-1016	12674-11-2	ug/kg	2/13/2008	2/13/2008	1	0	0	5.1	5.1	30,074	No	No
UPR-200-E-64	Aroclor-1221	11104-28-2	ug/kg	2/13/2008	2/13/2008	1	0	0	5.1	5.1	839	No	No
UPR-200-E-64	Aroclor-1232	11141-16-5	ug/kg	2/13/2008	2/13/2008	1	0	0	5.1	5.1	689	No	No
UPR-200-E-64	Aroclor-1242	53469-21-9	ug/kg	2/13/2008	2/13/2008	1	0	0	5.1	5.1	1,015	No	No
UPR-200-E-64	Aroclor-1248	12672-29-6	ug/kg	2/13/2008	2/13/2008	1	0	0	5.1	5.1	998	No	No
UPR-200-E-64	Aroclor-1254	11097-69-1	ug/kg	2/13/2008	2/13/2008	1	0	0	2.8	2.8	1,102	No	No
UPR-200-E-64	Aroclor-1260	11096-82-5	ug/kg	2/13/2008	2/13/2008	1	0	0	2.8	2.8	1,101	No	No
UPR-200-E-64	Benzene	71-43-2	ug/kg	2/13/2008	2/22/2010	4	0	0	0.17	1.1	3,366	No	No
UPR-200-E-64	Benzo(a)anthracene	56-55-3	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	23,108	No	No
UPR-200-E-64	Benzo(a)pyrene	50-32-8	ug/kg	2/9/2010	2/22/2010	3	0	0	240	290	2,344	No	No
UPR-200-E-64	Benzo(b)fluoranthene	205-99-2	ug/kg	2/9/2010	2/22/2010	3	0	0	210	250	23,440	No	No
UPR-200-E-64	Benzo(ghi)perylene	191-24-2	ug/kg	2/9/2010	2/22/2010	3	0	0	340	410	--	No	No
UPR-200-E-64	Benzo(k)fluoranthene	207-08-9	ug/kg	2/9/2010	2/22/2010	3	0	0	210	260	234,405	No	No
UPR-200-E-64	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	5.19E+07	No	No
UPR-200-E-64	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	2.74E+06	No	No
UPR-200-E-64	Bis(2-chloroethyl) ether	111-44-4	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	1,156	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
UPR-200-E-64	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	2/9/2010	2/22/2010	3	0	0	420	510	182,369	No	No
UPR-200-E-64	Bromide	24959-67-9	ug/kg	1/13/2010	2/8/2010	10	0	0	998	100,000	--	No	No
UPR-200-E-64	Bromodichloromethane	75-27-4	ug/kg	2/13/2008	2/22/2010	4	0	0	0.34	1.1	1,563	No	No
UPR-200-E-64	Bromoform	75-25-2	ug/kg	2/13/2008	2/22/2010	4	0	0	0.25	1.1	112,175	No	No
UPR-200-E-64	Bromomethane	74-83-9	ug/kg	2/13/2008	2/22/2010	4	0	0	0.32	1.1	34,119	No	No
UPR-200-E-64	Butylbenzylphthalate	85-68-7	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	1.34E+06	No	No
UPR-200-E-64	Carbazole	86-74-8	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	181,689	No	No
UPR-200-E-64	Carbon disulfide	75-15-0	ug/kg	2/13/2008	2/22/2010	4	0	0	0.56	1.1	3.35E+06	No	No
UPR-200-E-64	Carbon tetrachloride	56-23-5	ug/kg	2/13/2008	2/22/2010	4	0	0	0.92	1.1	3,559	No	No
UPR-200-E-64	Carbon-14	14762-75-5	pCi/g	2/9/2010	2/22/2010	3	0	0	5.1	5.9	570,000	No	No
UPR-200-E-64	Cesium-134	13967-70-9	pCi/g	2/13/2008	2/14/2008	2	0	0	0.015	1.4	--	--	--
UPR-200-E-64	Chlorobenzene	108-90-7	ug/kg	2/13/2008	2/22/2010	4	0	0	0.13	1.1	955,007	No	No
UPR-200-E-64	Chloroethane	75-00-3	ug/kg	2/13/2008	2/22/2010	4	0	0	0.36	1.1	6.03E+07	No	No
UPR-200-E-64	Chloroform	67-66-3	ug/kg	2/13/2008	2/22/2010	4	0	0	0.14	1.1	1,478	No	No
UPR-200-E-64	Chloromethane	74-87-3	ug/kg	2/13/2008	2/22/2010	4	0	0	0.45	1.1	494,139	No	No
UPR-200-E-64	Chrysene	218-01-9	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	2.34E+06	No	No
UPR-200-E-64	cis-1,2-Dichloroethylene	156-59-2	ug/kg	2/13/2008	2/13/2008	1	0	0	0.43	0.43	2.60E+06	No	No
UPR-200-E-64	cis-1,3-Dichloropropene	10061-01-5	ug/kg	2/13/2008	2/22/2010	4	0	0	0.74	1.1	3,919	No	No
UPR-200-E-64	Cobalt-60	10198-40-0	pCi/g	2/11/2008	2/22/2010	18	0	0	0.010	0.27	9.4	No	No
UPR-200-E-64	Cyanide	57-12-5	ug/kg	1/13/2010	2/22/2010	13	0	0	64	200	179,567	No	No
UPR-200-E-64	Cyclohexanone	108-94-1	ug/kg	2/13/2008	2/13/2008	1	0	0	14	14	1.27E+08	No	No
UPR-200-E-64	Dibenz(a,h)anthracene	53-70-3	ug/kg	2/9/2010	2/22/2010	3	0	0	350	420	2,344	No	No
UPR-200-E-64	Dibenzofuran	132-64-9	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	1.30E+06	No	No
UPR-200-E-64	Dibromochloromethane	124-48-1	ug/kg	2/13/2008	2/22/2010	4	0	0	0.29	1.1	43,259	No	No
UPR-200-E-64	Diethylphthalate	84-66-2	ug/kg	2/9/2010	2/22/2010	3	0	0	420	510	7.29E+08	No	No
UPR-200-E-64	Dimethyl phthalate	131-11-3	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	--	No	No
UPR-200-E-64	Di-n-butylphthalate	84-74-2	ug/kg	2/9/2010	2/22/2010	3	0	0	420	510	--	No	No
UPR-200-E-64	Di-n-octylphthalate	117-84-0	ug/kg	2/9/2010	2/22/2010	3	0	0	420	510	9.12E+06	No	No
UPR-200-E-64	Ethylbenzene	100-41-4	ug/kg	2/13/2008	2/22/2010	4	0	0	0.19	1.1	14,837	No	No
UPR-200-E-64	Europium-152	14683-23-9	pCi/g	2/11/2008	2/8/2010	15	0	0	0.028	11	12	No	No
UPR-200-E-64	Europium-155	14391-16-3	pCi/g	2/11/2008	2/8/2010	15	0	0	0.036	5.9	966	No	No
UPR-200-E-64	Fluoranthene	206-44-0	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	3.35E+07	No	No
UPR-200-E-64	Fluorene	86-73-7	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	3.35E+07	No	No
UPR-200-E-64	Gross alpha	12587-46-1	pCi/g	1/13/2010	2/8/2010	10	0	0	15	16	--	--	--
UPR-200-E-64	Gross beta	12587-47-2	pCi/g	1/13/2010	2/8/2010	10	0	0	46	49	--	--	--
UPR-200-E-64	Hexachlorobenzene	118-74-1	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	1,591	No	No
UPR-200-E-64	Hexachlorobutadiene	87-68-3	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	20,984	No	No
UPR-200-E-64	Hexachlorocyclopentadiene	77-47-4	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	62,416	No	No
UPR-200-E-64	Hexachloroethane	67-72-1	ug/kg	2/9/2010	2/22/2010	3	0	0	260	320	15,517	No	No
UPR-200-E-64	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	2/9/2010	2/22/2010	3	0	0	350	420	23,440	No	No
UPR-200-E-64	Iodine-129	15046-84-1	pCi/g	2/9/2010	2/22/2010	3	0	0	1.6	1.6	1,943	No	No
UPR-200-E-64	Isophorone	78-59-1	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	2.69E+06	No	No
UPR-200-E-64	Naphthalene	91-20-3	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	6,724	No	No
UPR-200-E-64	n-Butylbenzene	104-51-8	ug/kg	2/13/2008	2/13/2008	1	0	0	0.54	0.54	6.49E+07	No	No
UPR-200-E-64	Neptunium-237	13994-20-2	pCi/g	2/11/2008	2/22/2010	8	0	0	0.030	1.0	42	No	No
UPR-200-E-64	Nickel-63	13981-37-8	pCi/g	2/11/2008	2/19/2008	5	0	0	3.3	15	1.10E+06	No	No
UPR-200-E-64	Nitrobenzene	98-95-3	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	13,488	No	No
UPR-200-E-64	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	365	No	No
UPR-200-E-64	n-Nitrosodiphenylamine	86-30-6	ug/kg	2/9/2010	2/22/2010	3	0	0	170	210	521,055	No	No
UPR-200-E-64	Pentachlorophenol	87-86-5	ug/kg	2/9/2010	2/22/2010	3	0	0	420	510	4,414	No	No
UPR-200-E-64	Phenanthrene	85-01-8	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	--	No	No
UPR-200-E-64	Phenol	108-95-2	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	9.04E+07	No	No
UPR-200-E-64	Phosphate	14265-44-2	ug/kg	1/13/2010	2/8/2010	10	0	0	1,500	150,000	--	No	No
UPR-200-E-64	Pyrene	129-00-0	ug/kg	2/9/2010	2/22/2010	3	0	0	160	190	2.51E+07	No	No
UPR-200-E-64	Radium-226	13982-63-3	pCi/g	2/13/2008	2/13/2008	1	0	0	0.67	0.67	4.0	No	No
UPR-200-E-64	Ruthenium-106	13967-48-1	pCi/g	2/13/2008	2/14/2008	2	0	0	0.098	27	--	--	--
UPR-200-E-64	Styrene	100-42-5	ug/kg	2/13/2008	2/22/2010	4	0	0	0.94	1.2	3.65E+07	No	No
UPR-200-E-64	Technetium-99	14133-76-7	pCi/g	2/11/2008	2/22/2010	8	0	0	0.30	1.2	165,700	No	No
UPR-200-E-64	Tetrachloroethene	127-18-4	ug/kg	2/13/2008	2/22/2010	4	0	0	0.28	1.1	123,236	No	No
UPR-200-E-64	Tetrahydrofuran	109-99-9	ug/kg	2/13/2008	2/13/2008	1	0	0	6.7	6.7	--	--	--

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
UPR-200-E-64	Thallium	7440-28-0	ug/kg	1/13/2010	2/22/2010	13	0	0	97	35,600	12,978	No	Yes
UPR-200-E-64	Toluene	108-88-3	ug/kg	2/13/2008	2/22/2010	4	0	0	0.13	1.1	3.87E+07	No	No
UPR-200-E-64	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	2/13/2008	2/13/2008	1	0	0	1,600	1,600	--	No	No
UPR-200-E-64	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	2/13/2008	2/13/2008	1	0	0	640	640	--	No	No
UPR-200-E-64	trans-1,2-Dichloroethylene	156-60-5	ug/kg	2/13/2008	2/13/2008	1	0	0	0.22	0.22	2.60E+07	No	No
UPR-200-E-64	trans-1,3-Dichloropropene	10061-02-6	ug/kg	2/13/2008	2/22/2010	4	0	0	0.20	1.1	3,919	No	No
UPR-200-E-64	Tributyl phosphate	126-73-8	ug/kg	2/13/2008	2/13/2008	1	0	0	35	35	283,686	No	No
UPR-200-E-64	Trichloroethene	79-01-6	ug/kg	2/13/2008	2/22/2010	4	0	0	0.19	0.36	6,141	No	No
UPR-200-E-64	Vinyl chloride	75-01-4	ug/kg	2/13/2008	2/22/2010	4	0	0	0.24	1.1	1,871	No	No
UPR-200-E-64	Xylenes (total)	1330-20-7	ug/kg	2/13/2008	2/22/2010	4	0	0	0.87	1.1	1.55E+06	No	No
UPR-200-E-89	1,1,1-Trichloroethane	71-55-6	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	4.46E+07	No	No
UPR-200-E-89	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	2,247	No	No
UPR-200-E-89	1,1,2-Trichloroethane	79-00-5	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	4,506	No	No
UPR-200-E-89	1,1-Dichloroethane	75-34-3	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	16,804	No	No
UPR-200-E-89	1,1-Dichloroethene	75-35-4	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	1.16E+06	No	No
UPR-200-E-89	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	389,333	No	No
UPR-200-E-89	1,2,4-Trichlorobenzene	120-82-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	125,303	No	No
UPR-200-E-89	1,2-Dichlorobenzene	95-50-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	7.24E+06	No	No
UPR-200-E-89	1,2-Dichloroethane	107-06-2	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	2,041	No	No
UPR-200-E-89	1,2-Dichloroethene (Total)	540-59-0	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	1.17E+07	No	No
UPR-200-E-89	1,2-Dichloropropane	78-87-5	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	9,457	No	No
UPR-200-E-89	1,3-Dichlorobenzene	541-73-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dichlorobenzene	106-46-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	10,749	No	No
UPR-200-E-89	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	27,660	No	No
UPR-200-E-89	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10	11	--	--	--
UPR-200-E-89	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	2.74E+07	No	No
UPR-200-E-89	2,4,5-Trichlorophenol	95-95-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	9.12E+07	No	No
UPR-200-E-89	2,4,6-Trichlorophenol	88-06-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	232,106	No	No
UPR-200-E-89	2,4-Dichlorophenol	120-83-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	2.74E+06	No	No
UPR-200-E-89	2,4-Dimethylphenol	105-67-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	1.82E+07	No	No
UPR-200-E-89	2,4-Dinitrophenol	51-28-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	1.82E+06	No	No
UPR-200-E-89	2,4-Dinitrotoluene	121-14-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	8,187	No	No
UPR-200-E-89	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	2,6-Dinitrotoluene	606-20-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	1,707	No	No
UPR-200-E-89	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	672	No	No
UPR-200-E-89	2-Butanone	78-93-3	ug/kg	5/22/2008	10/22/2015	4	0	0	0.88	2.0	2.21E+08	No	No
UPR-200-E-89	2-Chloronaphthalene	91-58-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	6.70E+07	No	No
UPR-200-E-89	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	6.49E+06	No	No
UPR-200-E-89	2-Hexanone	591-78-6	ug/kg	5/22/2008	10/22/2015	4	0	0	0.88	2.0	1.41E+06	No	No
UPR-200-E-89	2-Hydroxyacetate	GLYCOLATE	ug/kg	1/4/2011	3/30/2011	17	0	0	92	94	--	--	--
UPR-200-E-89	2-Methylnaphthalene	91-57-6	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.35E+06	No	No
UPR-200-E-89	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	4.56E+07	No	No
UPR-200-E-89	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	1,418	No	No
UPR-200-E-89	2-Nitroaniline	88-74-4	ug/kg	7/16/2015	10/22/2015	9	0	0	114	116	9.11E+06	No	No
UPR-200-E-89	2-Nitrophenol	88-75-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	3,3'-Dichlorobenzidine	91-94-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	5,674	No	No
UPR-200-E-89	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	232	No	No
UPR-200-E-89	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	9.12E+07	No	No
UPR-200-E-89	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	116	No	No
UPR-200-E-89	3-Nitroaniline	99-09-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	121,580	No	No
UPR-200-E-89	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	72,948	No	No
UPR-200-E-89	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	122	No	No
UPR-200-E-89	4-Bromophenylphenyl ether	101-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	10/22/2015	9	0	0	138	141	9.12E+07	No	No
UPR-200-E-89	4-Chloroaniline	106-47-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	12,766	No	No
UPR-200-E-89	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Methyl-2-pentanone	108-10-1	ug/kg	5/22/2008	10/22/2015	4	0	0	0.88	2.0	1.47E+08	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
UPR-200-E-89	4-Nitroaniline	100-01-6	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	127,659	No	No
UPR-200-E-89	4-Nitrophenol	100-02-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	283,686	No	No
UPR-200-E-89	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	9.4	Yes	Yes
UPR-200-E-89	Acenaphthene	83-32-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	5.02E+07	No	No
UPR-200-E-89	Acenaphthylene	208-96-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	1.30E+08	No	No
UPR-200-E-89	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122	--	--	--
UPR-200-E-89	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	447,925	No	No
UPR-200-E-89	Anthracene	120-12-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	2.51E+08	No	No
UPR-200-E-89	Antimony-125	14234-35-6	pCi/g	1/4/2011	3/30/2011	17	0	0	0.24	1.3	--	--	--
UPR-200-E-89	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	102,127	No	No
UPR-200-E-89	Aroclor-1016	12674-11-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	30,074	No	No
UPR-200-E-89	Aroclor-1221	11104-28-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	839	No	No
UPR-200-E-89	Aroclor-1232	11141-16-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	689	No	No
UPR-200-E-89	Aroclor-1242	53469-21-9	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	1,015	No	No
UPR-200-E-89	Aroclor-1248	12672-29-6	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	998	No	No
UPR-200-E-89	Aroclor-1254	11097-69-1	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	1,102	No	No
UPR-200-E-89	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	1,101	No	No
UPR-200-E-89	Aroclor-1262	37324-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Aroclor-1268	11100-14-4	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Benzene	71-43-2	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	3,366	No	No
UPR-200-E-89	Benzo(a)anthracene	56-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	23,108	No	No
UPR-200-E-89	Benzo(a)pyrene	50-32-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	2,344	No	No
UPR-200-E-89	Benzo(b)fluoranthene	205-99-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	23,440	No	No
UPR-200-E-89	Benzo(ghi)perylene	191-24-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Benzo(k)fluoranthene	207-08-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	234,405	No	No
UPR-200-E-89	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175	3.65E+09	No	No
UPR-200-E-89	Benzyl alcohol	100-51-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	9.12E+07	No	No
UPR-200-E-89	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	5.19E+07	No	No
UPR-200-E-89	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	2.74E+06	No	No
UPR-200-E-89	Bis(2-chloroethyl) ether	111-44-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	1,156	No	No
UPR-200-E-89	Bromide	24959-67-9	ug/kg	1/4/2011	3/30/2011	17	0	0	571	579	--	No	No
UPR-200-E-89	Bromodichloromethane	75-27-4	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	1,563	No	No
UPR-200-E-89	Bromoform	75-25-2	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	112,175	No	No
UPR-200-E-89	Bromomethane	74-83-9	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	34,119	No	No
UPR-200-E-89	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	1.34E+06	No	No
UPR-200-E-89	Carbazole	86-74-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	181,689	No	No
UPR-200-E-89	Carbon disulfide	75-15-0	ug/kg	5/22/2008	10/22/2015	4	0	0	0.88	1.1	3.35E+06	No	No
UPR-200-E-89	Carbon tetrachloride	56-23-5	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	3,559	No	No
UPR-200-E-89	Chlorobenzene	108-90-7	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	955,007	No	No
UPR-200-E-89	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	23,211	No	No
UPR-200-E-89	Chloroethane	75-00-3	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	6.03E+07	No	No
UPR-200-E-89	Chloroform	67-66-3	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	1,478	No	No
UPR-200-E-89	Chloromethane	74-87-3	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	494,139	No	No
UPR-200-E-89	Chrysene	218-01-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	2.34E+06	No	No
UPR-200-E-89	cis-1,3-Dichloropropene	10061-01-5	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	3,919	No	No
UPR-200-E-89	Curium-242	15510-73-3	pCi/g	1/4/2011	3/30/2011	17	0	0	0.18	0.26	--	No	No
UPR-200-E-89	Curium-243/244	CM-243/244	pCi/g	1/4/2011	3/30/2011	17	0	0	0.18	0.26	105	No	No
UPR-200-E-89	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	41,855	No	No
UPR-200-E-89	Dibenz(a,h)anthracene	53-70-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	2,344	No	No
UPR-200-E-89	Dibenzofuran	132-64-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	1.30E+06	No	No
UPR-200-E-89	Dibromochloromethane	124-48-1	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	43,259	No	No
UPR-200-E-89	Diethylphthalate	84-66-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	7.29E+08	No	No
UPR-200-E-89	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	2.01E+06	No	No
UPR-200-E-89	Dimethyl phthalate	131-11-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Di-n-octylphthalate	117-84-0	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	9.12E+06	No	No
UPR-200-E-89	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	911,847	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
UPR-200-E-89	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	36,474	No	No
UPR-200-E-89	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	Ethylbenzene	100-41-4	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	14,837	No	No
UPR-200-E-89	Europium-152	14683-23-9	pCi/g	4/29/2008	6/2/2016	59	0	0	0.049	2.6	12	No	No
UPR-200-E-89	Europium-154	15585-10-1	pCi/g	4/29/2008	6/2/2016	59	0	0	0.087	1.5	13	No	No
UPR-200-E-89	Europium-155	14391-16-3	pCi/g	4/29/2008	6/2/2016	58	0	0	0.045	6.3	966	No	No
UPR-200-E-89	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	Fluoranthene	206-44-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.35E+07	No	No
UPR-200-E-89	Fluorene	86-73-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.35E+07	No	No
UPR-200-E-89	Gross alpha	12587-46-1	pCi/g	4/29/2008	5/22/2008	31	0	0	6.2	65	--	--	--
UPR-200-E-89	Hexachlorobenzene	118-74-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	1,591	No	No
UPR-200-E-89	Hexachlorobutadiene	87-68-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	20,984	No	No
UPR-200-E-89	Hexachlorocyclopentadiene	77-47-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	62,416	No	No
UPR-200-E-89	Hexachloroethane	67-72-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	15,517	No	No
UPR-200-E-89	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4,000	4,050	273,554	No	No
UPR-200-E-89	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	23,440	No	No
UPR-200-E-89	Iodine-129	15046-84-1	pCi/g	5/22/2008	6/2/2016	30	0	0	0.066	4.5	1,943	No	No
UPR-200-E-89	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	69	70	--	--	--
UPR-200-E-89	Isophorone	78-59-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	2.69E+06	No	No
UPR-200-E-89	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	255	No	No
UPR-200-E-89	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	91,185	No	No
UPR-200-E-89	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	25,790	No	No
UPR-200-E-89	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	227,962	No	No
UPR-200-E-89	Methylene chloride	75-09-2	ug/kg	5/22/2008	10/22/2015	4	0	0	0.88	1.1	1.13E+06	No	No
UPR-200-E-89	Naphthalene	91-20-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	6,724	No	No
UPR-200-E-89	Neptunium-237	13994-20-2	pCi/g	5/22/2008	6/2/2016	19	0	0	0.024	0.69	42	No	No
UPR-200-E-89	Nitrobenzene	98-95-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	13,488	No	No
UPR-200-E-89	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	1,216	No	No
UPR-200-E-89	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	10	Yes	Yes
UPR-200-E-89	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	35	Yes	Yes
UPR-200-E-89	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	451	No	No
UPR-200-E-89	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	365	No	No
UPR-200-E-89	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	93	Yes	Yes
UPR-200-E-89	n-Nitrosomorpholine	59-89-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	381	No	No
UPR-200-E-89	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	272	No	No
UPR-200-E-89	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	159,572	No	No
UPR-200-E-89	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	5.47E+06	No	No
UPR-200-E-89	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	555	No	No
UPR-200-E-89	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	1.04E+06	No	No
UPR-200-E-89	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	40,375	No	No
UPR-200-E-89	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	13,976	No	No
UPR-200-E-89	Pentachlorophenol	87-86-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	4,414	No	No
UPR-200-E-89	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	1.16E+06	No	No
UPR-200-E-89	Phenanthrene	85-01-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	182,369	No	No
UPR-200-E-89	Plutonium-238	13981-16-3	pCi/g	5/22/2008	6/2/2016	34	0	0	0.049	0.72	3,370	No	No
UPR-200-E-89	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3,440	3,490	911,847	No	No
UPR-200-E-89	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	6.84E+07	No	No
UPR-200-E-89	Pyrene	129-00-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	2.51E+07	No	No
UPR-200-E-89	Pyridine	110-86-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	1.30E+06	No	No
UPR-200-E-89	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	11,605	No	No
UPR-200-E-89	Styrene	100-42-5	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	3.65E+07	No	No
UPR-200-E-89	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	3.60E+07	No	No
UPR-200-E-89	Tetrachloroethene	127-18-4	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	123,236	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
UPR-200-E-89	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	455,924	No	No
UPR-200-E-89	Total cresols	1319-77-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	--	--
UPR-200-E-89	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	7/16/2015	6/2/2016	16	0	0	340	1,170	--	No	No
UPR-200-E-89	trans-1,3-Dichloropropene	10061-02-6	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	3,919	No	No
UPR-200-E-89	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	6/2/2016	17	0	0	47	105	283,686	No	No
UPR-200-E-89	Trichloroethene	79-01-6	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	6,141	No	No
UPR-200-E-89	Vinyl chloride	75-01-4	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	1,871	No	No
UPR-200-E-89	Xylenes (total)	1330-20-7	ug/kg	5/22/2008	10/22/2015	4	0	0	0.18	0.96	1.55E+06	No	No
UPR-200-W-99	1,1,1-Trichloroethane	71-55-6	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	4.46E+07	No	No
UPR-200-W-99	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	2,247	No	No
UPR-200-W-99	1,1,2-Trichloroethane	79-00-5	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	4,506	No	No
UPR-200-W-99	1,1-Dichloroethane	75-34-3	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	16,804	No	No
UPR-200-W-99	1,1-Dichloroethene	75-35-4	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	1.16E+06	No	No
UPR-200-W-99	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/22/2000	5/12/2009	6	0	0	150	380	125,303	No	No
UPR-200-W-99	1,2-Dichlorobenzene	95-50-1	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	7.24E+06	No	No
UPR-200-W-99	1,2-Dichloroethane	107-06-2	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	2,041	No	No
UPR-200-W-99	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	1.17E+07	No	No
UPR-200-W-99	1,2-Dichloropropane	78-87-5	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	9,457	No	No
UPR-200-W-99	1,3-Dichlorobenzene	541-73-1	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	--	No	No
UPR-200-W-99	1,4-Dichlorobenzene	106-46-7	ug/kg	8/22/2000	5/12/2009	6	0	0	260	380	10,749	No	No
UPR-200-W-99	1-Butanol	71-36-3	ug/kg	10/28/2002	10/28/2002	2	0	0	26,000	26,000	1.30E+08	No	No
UPR-200-W-99	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/22/2000	10/28/2002	5	0	0	860	960	9.12E+07	No	No
UPR-200-W-99	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	232,106	No	No
UPR-200-W-99	2,4-Dichlorophenol	120-83-2	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	2.74E+06	No	No
UPR-200-W-99	2,4-Dimethylphenol	105-67-9	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	1.82E+07	No	No
UPR-200-W-99	2,4-Dinitrophenol	51-28-5	ug/kg	8/22/2000	10/28/2002	5	0	0	860	960	1.82E+06	No	No
UPR-200-W-99	2,4-Dinitrotoluene	121-14-2	ug/kg	8/22/2000	5/12/2009	6	0	0	150	380	8,187	No	No
UPR-200-W-99	2,6-Dinitrotoluene	606-20-2	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	1,707	No	No
UPR-200-W-99	2-Chloronaphthalene	91-58-7	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	6.70E+07	No	No
UPR-200-W-99	2-Hexanone	591-78-6	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	12	1.41E+06	No	No
UPR-200-W-99	2-Methylnaphthalene	91-57-6	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	3.35E+06	No	No
UPR-200-W-99	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	4.56E+07	No	No
UPR-200-W-99	2-Nitroaniline	88-74-4	ug/kg	8/22/2000	10/28/2002	5	0	0	860	960	9.11E+06	No	No
UPR-200-W-99	2-Nitrophenol	88-75-5	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	--	No	No
UPR-200-W-99	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	5,674	No	No
UPR-200-W-99	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/22/2000	11/20/2000	3	0	0	340	370	9.12E+07	No	No
UPR-200-W-99	3-Nitroaniline	99-09-2	ug/kg	8/22/2000	10/28/2002	5	0	0	860	960	121,580	No	No
UPR-200-W-99	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/22/2000	10/28/2002	5	0	0	860	960	72,948	No	No
UPR-200-W-99	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	--	No	No
UPR-200-W-99	4-Chloroaniline	106-47-8	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	12,766	No	No
UPR-200-W-99	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	--	No	No
UPR-200-W-99	4-Methyl-2-pentanone	108-10-1	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	12	1.47E+08	No	No
UPR-200-W-99	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	2	0	0	350	380	9.12E+07	No	No
UPR-200-W-99	4-Nitroaniline	100-01-6	ug/kg	8/22/2000	10/28/2002	5	0	0	860	960	127,659	No	No
UPR-200-W-99	4-Nitrophenol	100-02-7	ug/kg	8/22/2000	5/12/2009	6	0	0	340	960	--	No	No
UPR-200-W-99	Acenaphthene	83-32-9	ug/kg	8/22/2000	5/12/2009	6	0	0	150	380	5.02E+07	No	No
UPR-200-W-99	Acenaphthylene	208-96-8	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	--	No	No
UPR-200-W-99	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	2	0	0	3,160	3,650	--	--	--
UPR-200-W-99	Anthracene	120-12-7	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	2.51E+08	No	No
UPR-200-W-99	Antimony-125	14234-35-6	pCi/g	10/28/2002	5/12/2009	11	0	0	0.030	1.0	--	--	--
UPR-200-W-99	Aroclor-1016	12674-11-2	ug/kg	10/28/2002	5/12/2009	3	0	0	10	38	30,074	No	No
UPR-200-W-99	Aroclor-1221	11104-28-2	ug/kg	10/28/2002	5/12/2009	3	0	0	20	77	839	No	No
UPR-200-W-99	Aroclor-1232	11141-16-5	ug/kg	10/28/2002	5/12/2009	3	0	0	10	38	689	No	No
UPR-200-W-99	Aroclor-1242	53469-21-9	ug/kg	10/28/2002	5/12/2009	3	0	0	10	38	1,015	No	No
UPR-200-W-99	Aroclor-1248	12672-29-6	ug/kg	10/28/2002	5/12/2009	3	0	0	10	38	998	No	No
UPR-200-W-99	Aroclor-1254	11097-69-1	ug/kg	10/28/2002	5/12/2009	3	0	0	10	38	1,102	No	No
UPR-200-W-99	Aroclor-1262	37324-23-5	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Aroclor-1268	11100-14-4	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Barium-133	13981-41-4	pCi/g	3/26/2009	3/27/2009	8	0	0	0.47	0.53	--	--	--
UPR-200-W-99	Barium-140	14798-08-4	pCi/g	3/26/2009	3/27/2009	8	0	0	1.1	1.3	--	--	--

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
UPR-200-W-99	Benzene	71-43-2	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	3,366	No	No
UPR-200-W-99	Benzo(a)anthracene	56-55-3	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	23,108	No	No
UPR-200-W-99	Benzo(a)pyrene	50-32-8	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	2,344	No	No
UPR-200-W-99	Benzo(b)fluoranthene	205-99-2	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	23,440	No	No
UPR-200-W-99	Benzo(ghi)perylene	191-24-2	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	--	No	No
UPR-200-W-99	Benzo(k)fluoranthene	207-08-9	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	234,405	No	No
UPR-200-W-99	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	10/28/2002	2	0	0	350	380	9.12E+07	No	No
UPR-200-W-99	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	5.19E+07	No	No
UPR-200-W-99	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	2.74E+06	No	No
UPR-200-W-99	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	1,156	No	No
UPR-200-W-99	Bismuth-212	14913-49-6	pCi/g	3/26/2009	3/27/2009	8	0	0	2.6	3.3	--	--	--
UPR-200-W-99	Boron	7440-42-8	ug/kg	3/26/2009	4/10/2009	10	0	0	8,280	106,000	2.60E+08	No	No
UPR-200-W-99	Bromodichloromethane	75-27-4	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	1,563	No	No
UPR-200-W-99	Bromoform	75-25-2	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	112,175	No	No
UPR-200-W-99	Bromomethane	74-83-9	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	12	34,119	No	No
UPR-200-W-99	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	1.34E+06	No	No
UPR-200-W-99	Cadmium-109	14109-32-1	pCi/g	3/26/2009	3/27/2009	8	0	0	3.4	4.5	--	--	--
UPR-200-W-99	Carbazole	86-74-8	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	181,689	No	No
UPR-200-W-99	Carbon disulfide	75-15-0	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	3.35E+06	No	No
UPR-200-W-99	Carbon tetrachloride	56-23-5	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	3,559	No	No
UPR-200-W-99	Cesium-134	13967-70-9	pCi/g	10/28/2002	5/12/2009	11	0	0	0.014	0.43	--	--	--
UPR-200-W-99	Chlorobenzene	108-90-7	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	955,007	No	No
UPR-200-W-99	Chloroethane	75-00-3	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	12	6.03E+07	No	No
UPR-200-W-99	Chloroform	67-66-3	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	1,478	No	No
UPR-200-W-99	Chloromethane	74-87-3	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	12	494,139	No	No
UPR-200-W-99	Chrysene	218-01-9	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	2.34E+06	No	No
UPR-200-W-99	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	3,919	No	No
UPR-200-W-99	Cobalt-57	13981-50-5	pCi/g	3/26/2009	3/27/2009	8	0	0	0.14	0.18	--	--	--
UPR-200-W-99	Cobalt-58	13981-38-9	pCi/g	3/26/2009	3/27/2009	8	0	0	0.29	0.37	--	--	--
UPR-200-W-99	Cobalt-60	10198-40-0	pCi/g	8/22/2000	6/26/2009	20	0	0	0.0076	0.34	9.4	No	No
UPR-200-W-99	Cyanide	57-12-5	ug/kg	8/22/2000	5/12/2009	5	0	0	200	550	179,567	No	No
UPR-200-W-99	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	2,344	No	No
UPR-200-W-99	Dibenzofuran	132-64-9	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	1.30E+06	No	No
UPR-200-W-99	Dibromochloromethane	124-48-1	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	43,259	No	No
UPR-200-W-99	Diethylphthalate	84-66-2	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	7.29E+08	No	No
UPR-200-W-99	Dimethyl phthalate	131-11-3	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	--	No	No
UPR-200-W-99	Di-n-octylphthalate	117-84-0	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	9.12E+06	No	No
UPR-200-W-99	Ethylbenzene	100-41-4	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	14,837	No	No
UPR-200-W-99	Europium-152	14683-23-9	pCi/g	8/22/2000	6/26/2009	20	0	0	0.022	1.8	12	No	No
UPR-200-W-99	Europium-154	15585-10-1	pCi/g	8/22/2000	6/26/2009	20	0	0	0.022	1.2	13	No	No
UPR-200-W-99	Europium-155	14391-16-3	pCi/g	8/22/2000	6/26/2009	20	0	0	0.033	0.88	966	No	No
UPR-200-W-99	Fluoranthene	206-44-0	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	3.35E+07	No	No
UPR-200-W-99	Fluorene	86-73-7	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	3.35E+07	No	No
UPR-200-W-99	Gross alpha	12587-46-1	pCi/g	3/26/2009	3/27/2009	8	0	0	3.9	4.8	--	--	--
UPR-200-W-99	Hexachlorobenzene	118-74-1	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	1,591	No	No
UPR-200-W-99	Hexachlorobutadiene	87-68-3	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	20,984	No	No
UPR-200-W-99	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	62,416	No	No
UPR-200-W-99	Hexachloroethane	67-72-1	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	15,517	No	No
UPR-200-W-99	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	23,440	No	No
UPR-200-W-99	Iodine-129	15046-84-1	pCi/g	8/22/2000	5/12/2009	16	0	0	0.13	2.7	1,943	No	No
UPR-200-W-99	Iron-59	14596-12-4	pCi/g	3/26/2009	3/27/2009	8	0	0	0.61	0.77	--	--	--
UPR-200-W-99	Isophorone	78-59-1	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	2.69E+06	No	No
UPR-200-W-99	Lanthanum-140	13981-28-7	pCi/g	3/26/2009	3/27/2009	8	0	0	0.31	0.38	--	--	--
UPR-200-W-99	Manganese-54	13966-31-9	pCi/g	3/26/2009	3/27/2009	8	0	0	0.30	0.38	--	--	--
UPR-200-W-99	Mercury	7439-97-6	ug/kg	8/22/2000	5/12/2009	5	0	0	20	50	389,332	No	No
UPR-200-W-99	Naphthalene	91-20-3	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	6,724	No	No
UPR-200-W-99	Neptunium-237	13994-20-2	pCi/g	10/28/2002	5/12/2009	3	0	0	0.033	0.12	42	No	No
UPR-200-W-99	Nickel-63	13981-37-8	pCi/g	10/28/2002	5/12/2009	3	0	0	2.1	3.3	1.10E+06	No	No
UPR-200-W-99	Nitrobenzene	98-95-3	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	13,488	No	No
UPR-200-W-99	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	521,055	No	No

Table A-2. Comparison of Minimum and Maximum Method Detection Limits to Outdoor Worker PRGs by Representative Waste Site

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Outdoor Worker PRG	Is Minimum MDL or MDA > Outdoor Worker PRG?	Is Maximum MDL or MDA > Outdoor Worker PRG?
UPR-200-W-99	Pentachlorophenol	87-86-5	ug/kg	8/22/2000	5/12/2009	6	0	0	410	960	4,414	No	No
UPR-200-W-99	Phenanthrene	85-01-8	ug/kg	8/22/2000	10/28/2002	5	0	0	340	380	--	No	No
UPR-200-W-99	Phosphate	14265-44-2	ug/kg	3/26/2009	4/10/2009	3	0	0	1,500	1,610	--	No	No
UPR-200-W-99	Plutonium-238	13981-16-3	pCi/g	8/22/2000	5/12/2009	7	0	0	0.023	0.29	3,370	No	No
UPR-200-W-99	Pyridine	110-86-1	ug/kg	10/28/2002	10/28/2002	2	0	0	350	380	1.30E+06	No	No
UPR-200-W-99	Ruthenium-103	13968-53-1	pCi/g	3/26/2009	3/27/2009	8	0	0	0.28	0.33	--	--	--
UPR-200-W-99	Silicon	7440-21-3	ug/kg	3/26/2009	3/27/2009	8	0	0	8,280	10,300	--	No	No
UPR-200-W-99	Silver-108 metastable	14391-65-2	pCi/g	3/26/2009	3/27/2009	8	0	0	0.33	0.42	--	--	--
UPR-200-W-99	Styrene	100-42-5	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	3.65E+07	No	No
UPR-200-W-99	Sulfide	18496-25-8	ug/kg	8/22/2000	8/28/2000	2	0	0	20,600	40,600	--	No	No
UPR-200-W-99	Tetrachloroethene	127-18-4	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	123,236	No	No
UPR-200-W-99	Thallium-208	14913-50-9	pCi/g	3/26/2009	3/27/2009	8	0	0	0.31	0.42	--	--	--
UPR-200-W-99	Toluene	108-88-3	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	3.87E+07	No	No
UPR-200-W-99	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/28/2002	10/28/2002	2	0	0	33	33	--	No	No
UPR-200-W-99	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	3,919	No	No
UPR-200-W-99	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	5/12/2009	3	0	0	150	380	283,686	No	No
UPR-200-W-99	Trichloroethene	79-01-6	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	6,141	No	No
UPR-200-W-99	Vinyl chloride	75-01-4	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	12	1,871	No	No
UPR-200-W-99	Xenon-131 Metastable	14683-11-5	pCi/g	3/26/2009	3/27/2009	8	0	0	8.1	10	--	--	--
UPR-200-W-99	Xylenes (total)	1330-20-7	ug/kg	8/22/2000	4/10/2009	8	0	0	0.77	6.0	1.55E+06	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
200-E-115	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	1,1,1-Trichloroethane	71-55-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	--	No	No
200-E-115	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.25	--	No	No
200-E-115	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	--	No	No
200-E-115	1,1,2-Trichloroethane	79-00-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.19	--	No	No
200-E-115	1,1-Dichloroethene	75-35-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.35	0.49	--	No	No
200-E-115	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/17/2010	8/29/2010	8	0	0	75	77	--	No	No
200-E-115	1,2-Dichlorobenzene	95-50-1	ug/kg	8/17/2010	8/29/2010	8	0	0	97	101	--	No	No
200-E-115	1,2-Dichloroethane	107-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.044	0.063	--	No	No
200-E-115	1-Butanol	71-36-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.5	12	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.00E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	5.10E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,3,5-Trichlorobiphenyl	55720-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.80E-04	--	No	No
200-E-115	2',3,5-Trichlorobiphenyl	37680-68-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	2,3,6-Trichlorobiphenyl	55702-45-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	8.30E-04	--	No	No
200-E-115	2,3',6-Trichlorobiphenyl	38444-76-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	7.10E-04	--	No	No
200-E-115	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.10E-04	0.0019	--	No	No
200-E-115	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.60E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/17/2010	8/29/2010	8	0	0	42	44	--	No	No
200-E-115	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	48	50	--	No	No
200-E-115	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.30E-04	0.0020	--	No	No
200-E-115	2,4-Dinitrotoluene	121-14-2	ug/kg	8/17/2010	8/29/2010	8	0	0	37	38	--	No	No
200-E-115	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	8.40E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	9.00E-04	0.0021	--	No	No
200-E-115	2-Butanone	78-93-3	ug/kg	8/17/2010	8/29/2010	8	0	0	1.6	2.3	--	No	No
200-E-115	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	8/29/2010	8	0	0	64	67	--	No	No
200-E-115	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/17/2010	8/29/2010	8	0	0	92	94	--	No	No
200-E-115	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/17/2010	8/29/2010	8	0	0	55	58	--	No	No
200-E-115	2-Nitrophenol	88-75-5	ug/kg	8/17/2010	8/29/2010	8	0	0	52	54	--	No	No
200-E-115	2-Nitropropane	79-46-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',4-Trichlorobiphenyl	37680-69-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,4,5-Trichlorobiphenyl	53555-66-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	6.00E-04	--	No	No
200-E-115	3,4',5-Trichlorobiphenyl	38444-88-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04	--	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
200-E-115	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	7.10E-04	0.0017	--	No	No
200-E-115	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/17/2010	8/29/2010	8	0	0	50	51	--	No	No
200-E-115	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04	--	No	No
200-E-115	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.085	0.26	--	No	No
200-E-115	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.41	1.2	--	No	No
200-E-115	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.65	2.0	--	No	No
200-E-115	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	8.80E-04	0.0023	--	No	No
200-E-115	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	42	43	--	No	No
200-E-115	4-Methyl-2-pentanone	108-10-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.4	2.0	--	No	No
200-E-115	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.90E-04	--	No	No
200-E-115	Acenaphthene	83-32-9	ug/kg	8/17/2010	8/29/2010	8	0	0	17	18	20,000	No	No
200-E-115	Acetone	67-64-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.8	2.6	--	No	No
200-E-115	Aldrin	309-00-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.32	0.98	--	No	No
200-E-115	Alpha-BHC	319-84-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.42	--	No	No
200-E-115	Americium-241	14596-10-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.42	0.61	21,500	No	No
200-E-115	Antimony-125	14234-35-6	pCi/g	8/17/2010	8/29/2010	8	0	0	0.71	1.2	--	No	No
200-E-115	Aroclor-1016	12674-11-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	40,000	No	No
200-E-115	Aroclor-1221	11104-28-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	40,000	No	No
200-E-115	Aroclor-1232	11141-16-5	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	40,000	No	No
200-E-115	Aroclor-1242	53469-21-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	40,000	No	No
200-E-115	Aroclor-1248	12672-29-6	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	40,000	No	No
200-E-115	Aroclor-1254	11097-69-1	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	40,000	No	No
200-E-115	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	40,000	No	No
200-E-115	Benzene	71-43-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.12	0.17	--	No	No
200-E-115	Benzo(a)anthracene	56-55-3	ug/kg	8/17/2010	8/29/2010	8	0	0	36	38	18,000	No	No
200-E-115	Benzo(a)pyrene	50-32-8	ug/kg	8/17/2010	8/29/2010	8	0	0	40	41	18,000	No	No
200-E-115	Benzo(b)fluoranthene	205-99-2	ug/kg	8/17/2010	8/29/2010	8	0	0	47	49	18,000	No	No
200-E-115	Benzo(k)fluoranthene	207-08-9	ug/kg	8/17/2010	8/29/2010	8	0	0	38	39	18,000	No	No
200-E-115	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.31	0.96	--	No	No
200-E-115	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/17/2010	8/29/2010	8	0	0	568	590	100,000	No	No
200-E-115	Bismuth	7440-69-9	ug/kg	8/18/2010	8/18/2010	1	0	0	8,310	8,310	--	No	No
200-E-115	Bromide	24959-67-9	ug/kg	8/17/2010	8/29/2010	8	0	0	567	580	--	No	No
200-E-115	Carbon disulfide	75-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.13	0.19	--	No	No
200-E-115	Carbon tetrachloride	56-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	--	No	No
200-E-115	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	8/29/2010	8	0	0	176	182	--	No	No
200-E-115	Cesium-137	10045-97-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.34	0.58	2,210	No	No
200-E-115	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12	1,000	No	No
200-E-115	Chlorobenzene	108-90-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.071	0.10	--	No	No
200-E-115	Chloroform	67-66-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.11	0.15	--	No	No
200-E-115	Chrysene	218-01-9	ug/kg	8/17/2010	8/29/2010	8	0	0	78	81	18,000	No	No
200-E-115	cis-1,2-Dichloroethylene	156-59-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.15	0.21	--	No	No
200-E-115	Cobalt-60	10198-40-0	pCi/g	8/17/2010	8/29/2010	8	0	0	0.28	0.44	6,130	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	Curium-242	15510-73-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-E-115	Curium-243/244	CM-243/244	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	153,000	No	No
200-E-115	Cyanide	57-12-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2,600	2,680	--	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
200-E-115	Cyclohexanone	108-94-1	ug/kg	8/17/2010	8/29/2010	8	0	0	537	558	--	No	No
200-E-115	Delta-BHC	319-86-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.77	--	No	No
200-E-115	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	18,000	No	No
200-E-115	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	8/29/2010	8	0	0	870	920	--	No	No
200-E-115	Dieldrin	60-57-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.69	--	No	No
200-E-115	Diethyl ether	60-29-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.21	0.30	--	No	No
200-E-115	Di-n-octylphthalate	117-84-0	ug/kg	8/17/2010	8/29/2010	8	0	0	46	48	--	No	No
200-E-115	Endrin	72-20-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.43	--	No	No
200-E-115	Ethyl acetate	141-78-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	Ethylbenzene	100-41-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.088	0.13	--	No	No
200-E-115	Ethylene glycol	107-21-1	ug/kg	8/17/2010	8/29/2010	8	0	0	13,000	14,000	--	No	No
200-E-115	Europium-152	14683-23-9	pCi/g	8/17/2010	8/29/2010	8	0	0	1.4	2.0	14,700	No	No
200-E-115	Europium-154	15585-10-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.89	1.5	12,500	No	No
200-E-115	Europium-155	14391-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.46	1.0	153,000	No	No
200-E-115	Fluoranthene	206-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	34	35	18,000	No	No
200-E-115	Gamma-BHC (Lindane)	58-89-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.18	0.54	--	No	No
200-E-115	Heptachlor epoxide	1024-57-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.45	1.4	--	No	No
200-E-115	Heptachlor	76-44-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.099	0.30	--	No	No
200-E-115	Hexachlorobutadiene	87-68-3	ug/kg	8/17/2010	8/29/2010	8	0	0	67	70	--	No	No
200-E-115	Hexachloroethane	67-72-1	ug/kg	8/17/2010	8/29/2010	8	0	0	108	112	--	No	No
200-E-115	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	18,000	No	No
200-E-115	Iodine-129	15046-84-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.14	0.22	--	No	No
200-E-115	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	443	460	--	No	No
200-E-115	Mercury	7439-97-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.2	9.8	300	No	No
200-E-115	Methylene chloride	75-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.053	0.075	--	No	No
200-E-115	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	630	680	--	No	No
200-E-115	Naphthalene	91-20-3	ug/kg	8/17/2010	8/29/2010	8	0	0	60	63	29,000	No	No
200-E-115	Nickel-63	13981-37-8	pCi/g	8/17/2010	8/29/2010	8	0	0	4.3	5.9	--	No	No
200-E-115	Nitrobenzene	98-95-3	ug/kg	8/17/2010	8/29/2010	8	0	0	62	65	--	No	No
200-E-115	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	8/29/2010	8	0	0	56	58	--	No	No
200-E-115	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	8/29/2010	8	0	0	184	191	--	No	No
200-E-115	o-Xylene	95-47-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	--	No	No
200-E-115	Plutonium-238	13981-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	17,500	No	No
200-E-115	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	12,700	No	No
200-E-115	Pyrene	129-00-0	ug/kg	8/17/2010	8/29/2010	8	0	0	61	63	18,000	No	No
200-E-115	Pyridine	110-86-1	ug/kg	8/17/2010	8/29/2010	8	0	0	63	65	--	No	No
200-E-115	Strontium-90	10098-97-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.18	0.57	3,580	No	No
200-E-115	Tetrachloroethene	127-18-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.090	0.13	--	No	No
200-E-115	Total cresols	1319-77-3	ug/kg	8/17/2010	8/29/2010	8	0	0	103	107	--	No	No
200-E-115	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	8/17/2010	8/29/2010	8	0	0	10	11	--	No	No
200-E-115	trans-1,2-Dichloroethylene	156-60-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.35	--	No	No
200-E-115	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.32	--	No	No
200-E-115	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	8/29/2010	8	0	0	104	108	--	No	No
200-E-115	Trichloroethene	79-01-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.100	0.14	--	No	No
200-E-115	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	--	No	No
200-E-115	Vinyl chloride	75-01-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	Xylenes (total)	1330-20-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-W-54	1,1,1-Trichloroethane	71-55-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,1,2-Trichloroethane	79-00-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,1-Dichloroethane	75-34-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,1-Dichloroethene	75-35-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,2,4-Trichlorobenzene	120-82-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,2-Dichlorobenzene	95-50-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,2-Dichloroethane	107-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
200-W-54	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,2-Dichloropropane	78-87-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,3-Dichlorobenzene	541-73-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,4-Dichlorobenzene	106-46-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4,5-Trichlorophenol	95-95-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4,6-Trichlorophenol	88-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dichlorophenol	120-83-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dimethylphenol	105-67-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dinitrophenol	51-28-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4-Dinitrotoluene	121-14-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,6-Dinitrotoluene	606-20-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Butanone	78-93-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	2-Chloronaphthalene	91-58-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Hexanone	591-78-6	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	2-Methylnaphthalene	91-57-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	29,000	No	No
200-W-54	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Nitroaniline	88-74-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2-Nitrophenol	88-75-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3,3'-Dichlorobenzidine	91-94-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3-Nitroaniline	99-09-2	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Bromophenylphenyl ether	101-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloroaniline	106-47-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Methyl-2-pentanone	108-10-1	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	4-Nitroaniline	100-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Nitrophenol	100-02-7	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Acenaphthene	83-32-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	20,000	No	No
200-W-54	Acenaphthylene	208-96-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	29,000	No	No
200-W-54	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.13	0.13	21,500	No	No
200-W-54	Anthracene	120-12-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	29,000	No	No
200-W-54	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	40,000	No	No
200-W-54	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/19/2001	1	0	0	69	69	40,000	No	No
200-W-54	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	40,000	No	No
200-W-54	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	40,000	No	No
200-W-54	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	40,000	No	No
200-W-54	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	40,000	No	No
200-W-54	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	40,000	No	No
200-W-54	Benzene	71-43-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Benzo(a)anthracene	56-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Benzo(a)pyrene	50-32-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Benzo(b)fluoranthene	205-99-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Benzo(ghi)perylene	191-24-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Benzo(k)fluoranthene	207-08-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-chloroethyl) ether	111-44-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	100,000	No	No
200-W-54	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Bromodichloromethane	75-27-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromoform	75-25-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromomethane	74-83-9	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
200-W-54	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbazole	86-74-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbon disulfide	75-15-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Carbon tetrachloride	56-23-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Carbon-14	14762-75-5	pCi/g	10/19/2001	10/19/2001	1	0	0	3.9	3.9	60,700	No	No
200-W-54	Chlorobenzene	108-90-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Chloroethane	75-00-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Chloromethane	74-87-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chrysene	218-01-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Cobalt-60	10198-40-0	pCi/g	10/19/2001	10/19/2001	1	0	0	0.044	0.044	6,130	No	No
200-W-54	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	1	0	0	450	450	--	No	No
200-W-54	Dibenz(a,h)anthracene	53-70-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Dibenzofuran	132-64-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dibromochloromethane	124-48-1	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dimethyl phthalate	131-11-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-octylphthalate	117-84-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Ethylbenzene	100-41-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Europium-152	14683-23-9	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	14,700	No	No
200-W-54	Europium-154	15585-10-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.14	0.14	12,500	No	No
200-W-54	Europium-155	14391-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.11	0.11	153,000	No	No
200-W-54	Fluoranthene	206-44-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Fluorene	86-73-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	29,000	No	No
200-W-54	Hexachlorobenzene	118-74-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorobutadiene	87-68-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorocyclopentadiene	77-47-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachloroethane	67-72-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Isophorone	78-59-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Naphthalene	91-20-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	29,000	No	No
200-W-54	Neptunium-237	13994-20-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.060	0.060	8,150	No	No
200-W-54	Nickel-63	13981-37-8	pCi/g	10/19/2001	10/19/2001	1	0	0	2.1	2.1	--	No	No
200-W-54	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	1	0	0	1,290	1,290	--	No	No
200-W-54	Nitrobenzene	98-95-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodiphenylamine	86-30-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Pentachlorophenol	87-86-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Phenanthrene	85-01-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	29,000	No	No
200-W-54	Phenol	108-95-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	70,000	No	No
200-W-54	Plutonium-238	13981-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	17,500	No	No
200-W-54	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	12,700	No	No
200-W-54	Pyrene	129-00-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Strontium-90	10098-97-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.33	0.33	3,580	No	No
200-W-54	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	1	0	0	36,000	36,000	--	No	No
200-W-54	Technetium-99	14133-76-7	pCi/g	10/19/2001	10/19/2001	1	0	0	0.41	0.41	21,900	No	No
200-W-54	Tetrachloroethene	127-18-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Toluene	108-88-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	200,000	No	No
200-W-54	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	200,000	No	No
200-W-54	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	10/19/2001	1	0	0	2,000	2,000	--	No	No
200-W-54	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	--	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
200-W-54	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Trichloroethene	79-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Tritium	10028-17-8	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	1.68E+06	No	No
200-W-54	Uranium-235	15117-96-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.18	0.18	27,400	No	No
200-W-54	Vinyl chloride	75-01-4	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Xylenes (total)	1330-20-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
207-A-South	1,1,1-Trichloroethane	71-55-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,1,2-Trichloroethane	79-00-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,1-Dichloroethane	75-34-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,1-Dichloroethene	75-35-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2,4-Trichlorobenzene	120-82-1	ug/kg	9/10/2003	9/10/2003	3	0	0	300	300	--	No	No
207-A-South	1,2-Dichlorobenzene	95-50-1	ug/kg	9/10/2003	9/10/2003	3	0	0	370	370	--	No	No
207-A-South	1,2-Dichloroethane	107-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2-Dichloroethene (Total)	540-59-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2-Dichloropropane	78-87-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,3-Dichlorobenzene	541-73-1	ug/kg	9/10/2003	9/10/2003	3	0	0	330	330	--	No	No
207-A-South	1,4-Dichlorobenzene	106-46-7	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	1-Butanol	71-36-3	ug/kg	9/10/2003	9/10/2003	3	0	0	41	41	--	No	No
207-A-South	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	2,4,5-Trichlorophenol	95-95-4	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	2,4,6-Trichlorophenol	88-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	2,4-Dichlorophenol	120-83-2	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	2,4-Dimethylphenol	105-67-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-Dinitrophenol	51-28-5	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	2,4-Dinitrotoluene	121-14-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,6-Dinitrotoluene	606-20-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	2-Butoxyethanol	111-76-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	2-Chloronaphthalene	91-58-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	3	0	0	150	150	--	No	No
207-A-South	2-Hexanone	591-78-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	2-Methylnaphthalene	91-57-6	ug/kg	9/10/2003	9/10/2003	3	0	0	180	190	29,000	No	No
207-A-South	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	9/10/2003	11/12/2015	27	0	0	34	113	--	No	No
207-A-South	2-Nitroaniline	88-74-4	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Nitrophenol	88-75-5	ug/kg	9/10/2003	9/10/2003	3	0	0	180	180	--	No	No
207-A-South	2-Pentanone	107-87-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	3,3'-Dichlorobenzidine	91-94-1	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	9/10/2003	11/12/2015	27	0	0	69	120	--	No	No
207-A-South	3-Nitroaniline	99-09-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	4-Bromophenylphenyl ether	101-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloroaniline	106-47-8	ug/kg	9/10/2003	9/10/2003	3	0	0	95	96	--	No	No
207-A-South	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Methyl-2-pentanone	108-10-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	4-Nitroaniline	100-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	4-Nitrophenol	100-02-7	ug/kg	9/10/2003	9/10/2003	3	0	0	660	670	--	No	No
207-A-South	Acenaphthene	83-32-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	20,000	No	No
207-A-South	Acenaphthylene	208-96-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	29,000	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
207-A-South	Acetone	67-64-1	ug/kg	9/10/2003	11/12/2015	27	0	0	2.0	4.0	--	No	No
207-A-South	Aldrin	309-00-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Alpha-BHC	319-84-6	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Alpha-Chlordane	5103-71-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	3	0	0	258	258	--	No	No
207-A-South	Anthracene	120-12-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	29,000	No	No
207-A-South	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	4,930	5,000	No	No
207-A-South	Aroclor-1016	12674-11-2	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	40,000	No	No
207-A-South	Aroclor-1221	11104-28-2	ug/kg	9/10/2003	9/10/2003	3	0	0	99	100	40,000	No	No
207-A-South	Aroclor-1232	11141-16-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	40,000	No	No
207-A-South	Aroclor-1242	53469-21-9	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	40,000	No	No
207-A-South	Aroclor-1248	12672-29-6	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	40,000	No	No
207-A-South	Aroclor-1254	11097-69-1	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	40,000	No	No
207-A-South	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	40,000	No	No
207-A-South	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	10,000	No	No
207-A-South	Benzene	71-43-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Benzo(a)anthracene	56-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Benzo(a)pyrene	50-32-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Benzo(b)fluoranthene	205-99-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Benzo(ghi)perylene	191-24-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Benzo(k)fluoranthene	207-08-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Benzyl alcohol	100-51-6	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	10,000	No	No
207-A-South	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	9/10/2003	9/10/2003	3	0	0	260	260	--	No	No
207-A-South	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	9/10/2003	9/10/2003	3	0	0	120	120	--	No	No
207-A-South	Bis(2-chloroethyl) ether	111-44-4	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	3	0	0	570	580	100,000	No	No
207-A-South	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	3	0	0	4,970	5,000	--	No	No
207-A-South	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	3	0	0	5,070	5,100	3,890	Yes	Yes
207-A-South	Bromodichloromethane	75-27-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromoform	75-25-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromomethane	74-83-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	4,000	No	No
207-A-South	Carbazole	86-74-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	Carbon disulfide	75-15-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Carbon tetrachloride	56-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	3.8	60,700	No	No
207-A-South	Chlorobenzene	108-90-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chloroethane	75-00-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chloromethane	74-87-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	18,500	No	No
207-A-South	Chrysene	218-01-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	cis-1,3-Dichloropropene	10061-01-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	3	0	0	200	200	--	No	No
207-A-South	Dalapon	75-99-0	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Delta-BHC	319-86-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Dibenz(a,h)anthracene	53-70-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Dibenzofuran	132-64-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dibromochloromethane	124-48-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Dicamba	1918-00-9	ug/kg	9/3/2003	9/4/2003	5	0	0	70	75	--	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
207-A-South	Dichloroprop	120-36-5	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Dieldrin	60-57-1	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Diethyl ether	60-29-7	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Dimethyl phthalate	131-11-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	3	0	0	89	89	--	No	No
207-A-South	Di-n-octylphthalate	117-84-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Endosulfan I	959-98-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Endosulfan II	33213-65-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endosulfan sulfate	1031-07-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin aldehyde	7421-93-4	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin ketone	53494-70-5	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin	72-20-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Ethylbenzene	100-41-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Ethylene glycol	107-21-1	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Fluoranthene	206-44-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Fluorene	86-73-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	29,000	No	No
207-A-South	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	3	0	0	350	350	--	No	No
207-A-South	Gamma-BHC (Lindane)	58-89-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor epoxide	1024-57-3	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor	76-44-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Hexachlorobenzene	118-74-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Hexachlorobutadiene	87-68-3	ug/kg	9/10/2003	9/10/2003	3	0	0	370	380	--	No	No
207-A-South	Hexachlorocyclopentadiene	77-47-4	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	Hexachloroethane	67-72-1	ug/kg	9/10/2003	9/10/2003	3	0	0	480	480	--	No	No
207-A-South	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/10/2003	12	0	0	410	450	--	No	No
207-A-South	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Iodine-129	15046-84-1	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	12	--	No	No
207-A-South	Isophorone	78-59-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	3	0	0	11,700	11,800	50,000	No	No
207-A-South	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	300	Yes	Yes
207-A-South	Methanol	67-56-1	ug/kg	9/10/2003	9/10/2003	3	0	0	1,000	1,000	--	No	No
207-A-South	Methoxychlor	72-43-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Methylene chloride	75-09-2	ug/kg	9/10/2003	11/12/2015	27	0	0	1.3	6.7	--	No	No
207-A-South	Naphthalene	91-20-3	ug/kg	9/10/2003	9/10/2003	3	0	0	290	290	29,000	No	No
207-A-South	n-Butylbenzene	104-51-8	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Neptunium-237	13994-20-2	pCi/g	9/3/2003	9/10/2003	12	0	0	0.017	0.29	8,150	No	No
207-A-South	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	6,500	30,000	No	No
207-A-South	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/10/2003	12	0	0	2.3	2.8	--	No	No
207-A-South	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	3	0	0	1,480	1,480	--	No	No
207-A-South	Nitrobenzene	98-95-3	ug/kg	9/10/2003	9/10/2003	3	0	0	270	270	--	No	No
207-A-South	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	n-Nitrosodiphenylamine	86-30-6	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Oil and grease	OIL/GREASE	ug/kg	9/3/2003	9/10/2003	12	0	0	680,000	748,000	--	No	No
207-A-South	Pentachlorophenol	87-86-5	ug/kg	9/10/2003	9/10/2003	3	0	0	310	310	--	No	No
207-A-South	Phenanthrene	85-01-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	29,000	No	No
207-A-South	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	70,000	No	No
207-A-South	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	3	0	0	1,990	1,990	--	No	No
207-A-South	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Ruthenium-103	13968-53-1	pCi/g	9/10/2003	9/10/2003	3	0	0	0.0090	0.015	--	No	No
207-A-South	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	520	Yes	Yes
207-A-South	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/10/2003	12	0	0	0.44	0.61	21,900	No	No
207-A-South	Tetrachloroethene	127-18-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	3	0	0	0.090	0.20	--	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
207-A-South	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	200,000	No	No
207-A-South	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	200,000	No	No
207-A-South	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	--	No	No
207-A-South	Toxaphene	8001-35-2	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	trans-1,3-Dichloropropene	10061-02-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	trans-Chlordane	5103-74-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Trichloroethene	79-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	5,000	No	No
207-A-South	Vinyl chloride	75-01-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Xylenes (total)	1330-20-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-T	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Butanone	78-93-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Hexanone	591-78-6	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	29,000	No	No
207-T	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Acenaphthene	83-32-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	20,000	No	No
207-T	Acenaphthylene	208-96-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	29,000	No	No
207-T	Americium-241	14596-10-2	pCi/g	8/7/2000	11/30/2000	6	0	0	0.050	0.21	21,500	No	No
207-T	Anthracene	120-12-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	29,000	No	No
207-T	Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0	0.028	0.034	--	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
207-T	Benzene	71-43-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromoform	75-25-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromomethane	74-83-9	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Cadmium	7440-43-9	ug/kg	8/7/2000	11/30/2000	3	0	0	30	30	4,000	No	No
207-T	Carbazole	86-74-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Carbon disulfide	75-15-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Chlorobenzene	108-90-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Chloroethane	75-00-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chloroform	67-66-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Chloromethane	74-87-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chrysene	218-01-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Cyanide	57-12-5	ug/kg	8/7/2000	11/30/2000	3	0	0	490	540	--	No	No
207-T	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Dibenzofuran	132-64-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Diethylphthalate	84-66-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Ethylbenzene	100-41-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Fluoranthene	206-44-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Fluorene	86-73-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	29,000	No	No
207-T	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachloroethane	67-72-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Iodine-129	15046-84-1	pCi/g	8/7/2000	11/30/2000	6	0	0	1.2	3.8	--	No	No
207-T	Isophorone	78-59-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Mercury	7439-97-6	ug/kg	8/7/2000	11/30/2000	3	0	0	20	20	300	No	No
207-T	Naphthalene	91-20-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	29,000	No	No
207-T	Nitrobenzene	98-95-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Phenanthrene	85-01-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	29,000	No	No
207-T	Pyrene	129-00-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Selenium	7782-49-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	440	520	No	No
207-T	Silver	7440-22-4	ug/kg	8/7/2000	11/30/2000	3	0	0	100	110	2,000	No	No
207-T	Styrene	100-42-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Sulfide	18496-25-8	ug/kg	8/7/2000	11/30/2000	3	0	0	37,700	40,300	--	No	No
207-T	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Toluene	108-88-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	200,000	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
207-T	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Trichloroethene	79-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Vinyl chloride	75-01-4	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
216-A-34	1,1-Dichloroethene	75-35-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	--	No	No
216-A-34	1,2,4-Trichlorobenzene	120-82-1	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	--	No	No
216-A-34	1,2-Dichlorobenzene	95-50-1	ug/kg	4/4/2003	4/4/2003	1	0	0	370	370	--	No	No
216-A-34	1,3-Dichlorobenzene	541-73-1	ug/kg	4/4/2003	4/4/2003	1	0	0	330	330	--	No	No
216-A-34	1,4-Dichlorobenzene	106-46-7	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	1-Butanol	71-36-3	ug/kg	4/4/2003	4/4/2003	1	0	0	20	20	--	No	No
216-A-34	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	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	0	17	17	--	No	No
216-A-34	2,4,5-Trichlorophenol	95-95-4	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4,6-Trichlorophenol	88-06-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	4/4/2003	1	0	0	34	34	--	No	No
216-A-34	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	2,4-Dichlorophenol	120-83-2	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2,4-Dimethylphenol	105-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-Dinitrophenol	51-28-5	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4-Dinitrotoluene	121-14-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,6-Dinitrotoluene	606-20-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	2-Chloronaphthalene	91-58-7	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	0	150	150	--	No	No
216-A-34	2-Methylnaphthalene	91-57-6	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	29,000	No	No
216-A-34	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitroaniline	88-74-4	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitrophenol	88-75-5	ug/kg	4/4/2003	4/4/2003	1	0	0	180	180	--	No	No
216-A-34	3,3'-Dichlorobenzidine	91-94-1	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	3-Nitroaniline	99-09-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	4-Bromophenylphenyl ether	101-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloroaniline	106-47-8	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	--	No	No
216-A-34	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Nitroaniline	100-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	4-Nitrophenol	100-02-7	ug/kg	4/4/2003	4/4/2003	1	0	0	670	670	--	No	No
216-A-34	Acenaphthene	83-32-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	20,000	No	No
216-A-34	Acenaphthylene	208-96-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	29,000	No	No
216-A-34	Aldrin	309-00-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Alpha-BHC	319-84-6	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Anthracene	120-12-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	29,000	No	No
216-A-34	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	0	239	239	5,000	No	No
216-A-34	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0	0.036	0.036	--	No	No
216-A-34	Benzene	71-43-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	--	No	No
216-A-34	Benzo(a)anthracene	56-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Benzo(a)pyrene	50-32-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Benzo(b)fluoranthene	205-99-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Benzo(ghi)perylene	191-24-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Benzo(k)fluoranthene	207-08-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
216-A-34	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	4/4/2003	4/4/2003	1	0	0	260	260	--	No	No
216-A-34	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	Bis(2-chloroethyl) ether	111-44-4	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	0	6,770	6,770	--	No	No
216-A-34	Bromide	24959-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	900	900	--	No	No
216-A-34	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Carbazole	86-74-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	0	1.9	1.9	60,700	No	No
216-A-34	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.017	0.017	1,090	No	No
216-A-34	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.014	0.014	2,210	No	No
216-A-34	Chlorobenzene	108-90-7	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	--	No	No
216-A-34	Chrysene	218-01-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0	0.012	0.012	6,130	No	No
216-A-34	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dalapon	75-99-0	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Delta-BHC	319-86-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Dibenz(a,h)anthracene	53-70-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Dibenzofuran	132-64-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dicamba	1918-00-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dichloroprop	120-36-5	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Dieldrin	60-57-1	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Diethyl ether	60-29-7	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Diethylphthalate	84-66-2	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dimethyl phthalate	131-11-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	89	89	--	No	No
216-A-34	Di-n-octylphthalate	117-84-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Endosulfan I	959-98-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Endosulfan II	33213-65-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin ketone	53494-70-5	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin	72-20-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Ethylene glycol	107-21-1	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.040	0.040	14,700	No	No
216-A-34	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.038	0.038	12,500	No	No
216-A-34	Fluoranthene	206-44-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Fluorene	86-73-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	29,000	No	No
216-A-34	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor	76-44-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Hexachlorobenzene	118-74-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Hexachlorobutadiene	87-68-3	ug/kg	4/4/2003	4/4/2003	1	0	0	380	380	--	No	No
216-A-34	Hexachlorocyclopentadiene	77-47-4	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	Hexachloroethane	67-72-1	ug/kg	4/4/2003	4/4/2003	1	0	0	480	480	--	No	No
216-A-34	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	0	420	420	--	No	No
216-A-34	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Iodine-129	15046-84-1	pCi/g	4/4/2003	4/4/2003	1	0	0	2.4	2.4	--	No	No
216-A-34	Isophorone	78-59-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	0	48	48	300	No	No
216-A-34	Methanol	67-56-1	ug/kg	4/4/2003	4/4/2003	1	0	0	1,000	1,000	--	No	No
216-A-34	Methoxychlor	72-43-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Molybdenum	7439-98-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	2,000	No	No
216-A-34	Naphthalene	91-20-3	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	29,000	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
216-A-34	Neptunium-237	13994-20-2	pCi/g	4/4/2003	4/4/2003	1	0	0	0.092	0.092	8,150	No	No
216-A-34	Nitrite	14797-65-0	ug/kg	4/4/2003	4/4/2003	1	0	0	591	591	--	No	No
216-A-34	Nitrobenzene	98-95-3	ug/kg	4/4/2003	4/4/2003	1	0	0	270	270	--	No	No
216-A-34	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	n-Nitrosodiphenylamine	86-30-6	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	4/4/2003	1	0	0	694,000	694,000	--	No	No
216-A-34	Pentachlorophenol	87-86-5	ug/kg	4/4/2003	4/4/2003	1	0	0	310	310	--	No	No
216-A-34	Phenanthrene	85-01-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	29,000	No	No
216-A-34	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	70,000	No	No
216-A-34	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.28	0.28	17,500	No	No
216-A-34	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.013	0.013	--	No	No
216-A-34	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.12	0.12	--	No	No
216-A-34	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	520	Yes	Yes
216-A-34	Silver	7440-22-4	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	2,000	No	No
216-A-34	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0	0.58	0.58	21,900	No	No
216-A-34	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0	0.20	0.20	--	No	No
216-A-34	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	200,000	No	No
216-A-34	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Toxaphene	8001-35-2	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Trichloroethene	79-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	--	No	No
216-A-34	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0	0.17	0.17	1.68E+06	No	No
UPR-200-E-64	Cadmium	7440-43-9	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	4,000	No	No
UPR-200-E-64	Cobalt-60	10198-40-0	pCi/g	2/11/2008	2/12/2008	2	0	0	0.013	0.064	6,130	No	No
UPR-200-E-64	Europium-152	14683-23-9	pCi/g	2/11/2008	2/12/2008	2	0	0	0.036	0.98	14,700	No	No
UPR-200-E-64	Europium-155	14391-16-3	pCi/g	2/11/2008	2/12/2008	2	0	0	0.053	1.1	153,000	No	No
UPR-200-E-64	Fluoride	16984-48-8	ug/kg	2/11/2008	2/12/2008	2	0	0	294	300	--	No	No
UPR-200-E-64	Neptunium-237	13994-20-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.038	0.043	8,150	No	No
UPR-200-E-64	Nickel-63	13981-37-8	pCi/g	2/11/2008	2/12/2008	2	0	0	3.4	6.3	--	No	No
UPR-200-E-64	Nitrite	14797-65-0	ug/kg	2/11/2008	2/12/2008	2	0	0	1,610	1,640	--	No	No
UPR-200-E-64	Silver	7440-22-4	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	2,000	No	No
UPR-200-E-64	Strontium-90	10098-97-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.48	12	3,580	No	No
UPR-200-E-64	Technetium-99	14133-76-7	pCi/g	2/11/2008	2/12/2008	2	0	0	0.39	0.74	21,900	No	No
UPR-200-E-64	Tritium	10028-17-8	pCi/g	2/11/2008	2/12/2008	2	0	0	4.0	4.2	1.68E+06	No	No
UPR-200-E-89	1,1,1-Trichloroethane	71-55-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,1,2-Trichloroethane	79-00-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,1-Dichloroethane	75-34-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,1-Dichloroethene	75-35-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,2,4-Trichlorobenzene	120-82-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,2-Dichlorobenzene	95-50-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,2-Dichloroethane	107-06-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2-Dichloropropane	78-87-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,3-Dichlorobenzene	541-73-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dichlorobenzene	106-46-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10	11	--	No	No
UPR-200-E-89	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4,5-Trichlorophenol	95-95-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
UPR-200-E-89	2,4,6-Trichlorophenol	88-06-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dichlorophenol	120-83-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dimethylphenol	105-67-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrophenol	51-28-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrotoluene	121-14-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,6-Dinitrotoluene	606-20-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Butanone	78-93-3	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	2-Chloronaphthalene	91-58-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Hexanone	591-78-6	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	2-Methylnaphthalene	91-57-6	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	29,000	No	No
UPR-200-E-89	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Nitroaniline	88-74-4	ug/kg	7/16/2015	10/22/2015	9	0	0	114	116	--	No	No
UPR-200-E-89	2-Nitrophenol	88-75-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dichlorobenzidine	91-94-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Nitroaniline	99-09-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	4-Bromophenylphenyl ether	101-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	10/22/2015	9	0	0	138	141	--	No	No
UPR-200-E-89	4-Chloroaniline	106-47-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Methyl-2-pentanone	108-10-1	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	4-Nitroaniline	100-01-6	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitrophenol	100-02-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Acenaphthene	83-32-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	20,000	No	No
UPR-200-E-89	Acenaphthylene	208-96-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	29,000	No	No
UPR-200-E-89	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122	--	No	No
UPR-200-E-89	Americium-241	14596-10-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.16	0.47	21,500	No	No
UPR-200-E-89	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Anthracene	120-12-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	29,000	No	No
UPR-200-E-89	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Aroclor-1016	12674-11-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1221	11104-28-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1232	11141-16-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1242	53469-21-9	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1248	12672-29-6	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1254	11097-69-1	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1262	37324-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Aroclor-1268	11100-14-4	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Benzene	71-43-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Benzo(a)anthracene	56-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Benzo(a)pyrene	50-32-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
UPR-200-E-89	Benzo(b)fluoranthene	205-99-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Benzo(ghi)perylene	191-24-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Benzo(k)fluoranthene	207-08-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175	--	No	No
UPR-200-E-89	Benzyl alcohol	100-51-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloroethyl) ether	111-44-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bismuth	7440-69-9	ug/kg	7/16/2015	7/21/2015	2	0	0	91	103	--	No	No
UPR-200-E-89	Bromodichloromethane	75-27-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromoform	75-25-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromomethane	74-83-9	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Carbazole	86-74-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Carbon disulfide	75-15-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	--	No	No
UPR-200-E-89	Carbon tetrachloride	56-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Carbon-14	14762-75-5	pCi/g	7/16/2015	10/22/2015	8	0	0	2.5	4.4	60,700	No	No
UPR-200-E-89	Chlorobenzene	108-90-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Chloroethane	75-00-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chloroform	67-66-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chloromethane	74-87-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chrysene	218-01-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Cobalt-60	10198-40-0	pCi/g	4/29/2008	10/22/2015	3	0	0	0.042	0.16	6,130	No	No
UPR-200-E-89	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dibenz(a,h)anthracene	53-70-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Dibenzofuran	132-64-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dibromochloromethane	124-48-1	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Diethylphthalate	84-66-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dimethyl phthalate	131-11-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Di-n-octylphthalate	117-84-0	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethylbenzene	100-41-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Europium-152	14683-23-9	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.72	14,700	No	No
UPR-200-E-89	Europium-154	15585-10-1	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.48	12,500	No	No
UPR-200-E-89	Europium-155	14391-16-3	pCi/g	4/29/2008	10/22/2015	3	0	0	0.10	0.86	153,000	No	No
UPR-200-E-89	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Fluoranthene	206-44-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Fluorene	86-73-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	29,000	No	No
UPR-200-E-89	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	0	6.4	6.4	--	No	No
UPR-200-E-89	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	0	15	15	--	No	No
UPR-200-E-89	Hexachlorobenzene	118-74-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorobutadiene	87-68-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorocyclopentadiene	77-47-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachloroethane	67-72-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4,000	4,050	--	No	No
UPR-200-E-89	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Iodine-129	15046-84-1	pCi/g	10/1/2015	10/22/2015	3	0	0	1.2	1.8	--	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
UPR-200-E-89	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	69	70	--	No	No
UPR-200-E-89	Isophorone	78-59-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Mercury	7439-97-6	ug/kg	7/16/2015	10/22/2015	4	0	0	3.8	4.0	300	No	No
UPR-200-E-89	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methylene chloride	75-09-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	--	No	No
UPR-200-E-89	Naphthalene	91-20-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	29,000	No	No
UPR-200-E-89	Neptunium-237	13994-20-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.69	8,150	No	No
UPR-200-E-89	Nickel-63	13981-37-8	pCi/g	7/16/2015	10/22/2015	9	0	0	12	18	--	No	No
UPR-200-E-89	Nitrite	14797-65-0	ug/kg	4/29/2008	10/22/2015	10	0	0	1,010	1,140	--	No	No
UPR-200-E-89	Nitrobenzene	98-95-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomorpholine	59-89-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorophenol	87-86-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Phenanthrene	85-01-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	29,000	No	No
UPR-200-E-89	Phenol	108-95-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	70,000	No	No
UPR-200-E-89	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Plutonium-238	13981-16-3	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.62	17,500	No	No
UPR-200-E-89	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	10/22/2015	9	0	0	0.39	0.75	12,700	No	No
UPR-200-E-89	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3,440	3,490	--	No	No
UPR-200-E-89	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pyrene	129-00-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Pyridine	110-86-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Styrene	100-42-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Technetium-99	14133-76-7	pCi/g	7/16/2015	10/22/2015	6	0	0	9.5	12	21,900	No	No
UPR-200-E-89	Tetrachloroethene	127-18-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total cresols	1319-77-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	0	200,000	200,000	--	No	No
UPR-200-E-89	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	7/16/2015	10/22/2015	8	0	0	1,150	1,170	--	No	No
UPR-200-E-89	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Trichloroethene	79-01-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tritium	10028-17-8	pCi/g	7/16/2015	10/22/2015	9	0	0	14	28	1.68E+06	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
UPR-200-E-89	Uranium-235	15117-96-1	pCi/g	7/16/2015	10/22/2015	9	0	0	0.19	0.88	27,400	No	No
UPR-200-E-89	Vinyl chloride	75-01-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Xylenes (total)	1330-20-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-W-99	1,1,1-Trichloroethane	71-55-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,1,2-Trichloroethane	79-00-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,1-Dichloroethane	75-34-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,1-Dichloroethene	75-35-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	--	No	No
UPR-200-W-99	1,2-Dichlorobenzene	95-50-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	1,2-Dichloroethane	107-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2-Dichloropropane	78-87-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,3-Dichlorobenzene	541-73-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	1,4-Dichlorobenzene	106-46-7	ug/kg	8/22/2000	5/12/2009	3	0	0	260	380	--	No	No
UPR-200-W-99	1-Butanol	71-36-3	ug/kg	10/28/2002	10/28/2002	1	0	0	26,000	26,000	--	No	No
UPR-200-W-99	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dichlorophenol	120-83-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dimethylphenol	105-67-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dinitrophenol	51-28-5	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4-Dinitrotoluene	121-14-2	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	--	No	No
UPR-200-W-99	2,6-Dinitrotoluene	606-20-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Chloronaphthalene	91-58-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Hexanone	591-78-6	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	2-Methylnaphthalene	91-57-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	29,000	No	No
UPR-200-W-99	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Nitroaniline	88-74-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2-Nitrophenol	88-75-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/22/2000	8/22/2000	1	0	0	340	340	--	No	No
UPR-200-W-99	3-Nitroaniline	99-09-2	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chloroaniline	106-47-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Methyl-2-pentanone	108-10-1	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	4-Nitroaniline	100-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Nitrophenol	100-02-7	ug/kg	8/22/2000	5/12/2009	3	0	0	340	960	--	No	No
UPR-200-W-99	Acenaphthene	83-32-9	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	20,000	No	No
UPR-200-W-99	Acenaphthylene	208-96-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	29,000	No	No
UPR-200-W-99	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	1	0	0	3,650	3,650	9,230	No	No
UPR-200-W-99	Anthracene	120-12-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	29,000	No	No
UPR-200-W-99	Antimony	7440-36-0	ug/kg	10/28/2002	10/28/2002	1	0	0	190	190	5,000	No	No
UPR-200-W-99	Antimony-125	14234-35-6	pCi/g	10/28/2002	5/12/2009	2	0	0	0.030	0.22	--	No	No
UPR-200-W-99	Aroclor-1016	12674-11-2	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	40,000	No	No
UPR-200-W-99	Aroclor-1221	11104-28-2	ug/kg	10/28/2002	5/12/2009	2	0	0	20	77	40,000	No	No
UPR-200-W-99	Aroclor-1232	11141-16-5	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	40,000	No	No
UPR-200-W-99	Aroclor-1242	53469-21-9	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	40,000	No	No
UPR-200-W-99	Aroclor-1248	12672-29-6	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	40,000	No	No
UPR-200-W-99	Aroclor-1254	11097-69-1	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	40,000	No	No
UPR-200-W-99	Aroclor-1262	37324-23-5	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Aroclor-1268	11100-14-4	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Benzene	71-43-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
UPR-200-W-99	Benzo(a)anthracene	56-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Benzo(a)pyrene	50-32-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Benzo(b)fluoranthene	205-99-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Benzo(ghi)perylene	191-24-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Benzo(k)fluoranthene	207-08-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bismuth	7440-69-9	ug/kg	10/28/2002	5/12/2009	2	0	0	670	2,300	--	No	No
UPR-200-W-99	Bromodichloromethane	75-27-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromoform	75-25-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromomethane	74-83-9	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbazole	86-74-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbon disulfide	75-15-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Carbon tetrachloride	56-23-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Cesium-134	13967-70-9	pCi/g	10/28/2002	5/12/2009	2	0	0	0.014	0.12	1,090	No	No
UPR-200-W-99	Chlorobenzene	108-90-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Chloroethane	75-00-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chloroform	67-66-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Chloromethane	74-87-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chrysene	218-01-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Cobalt-60	10198-40-0	pCi/g	8/22/2000	5/12/2009	4	0	0	0.010	0.10	6,130	No	No
UPR-200-W-99	Cyanide	57-12-5	ug/kg	8/22/2000	5/12/2009	3	0	0	200	550	--	No	No
UPR-200-W-99	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Dibenzofuran	132-64-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dibromochloromethane	124-48-1	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Diethylphthalate	84-66-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dimethyl phthalate	131-11-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Di-n-octylphthalate	117-84-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Ethylbenzene	100-41-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Europium-152	14683-23-9	pCi/g	8/22/2000	5/12/2009	4	0	0	0.033	0.23	14,700	No	No
UPR-200-W-99	Europium-154	15585-10-1	pCi/g	8/22/2000	5/12/2009	4	0	0	0.031	0.35	12,500	No	No
UPR-200-W-99	Europium-155	14391-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.046	0.19	153,000	No	No
UPR-200-W-99	Fluoranthene	206-44-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Fluorene	86-73-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	29,000	No	No
UPR-200-W-99	Hexachlorobenzene	118-74-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorobutadiene	87-68-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachloroethane	67-72-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Iodine-129	15046-84-1	pCi/g	8/22/2000	5/12/2009	3	0	0	1.3	1.7	--	No	No
UPR-200-W-99	Isophorone	78-59-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Mercury	7439-97-6	ug/kg	8/22/2000	5/12/2009	3	0	0	20	50	300	No	No
UPR-200-W-99	Naphthalene	91-20-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	29,000	No	No
UPR-200-W-99	Neptunium-237	13994-20-2	pCi/g	10/28/2002	5/12/2009	2	0	0	0.093	0.12	8,150	No	No
UPR-200-W-99	Nickel-63	13981-37-8	pCi/g	10/28/2002	5/12/2009	2	0	0	2.2	3.3	--	No	No
UPR-200-W-99	Nitrite	14797-65-0	ug/kg	10/28/2002	10/28/2002	1	0	0	1,440	1,440	--	No	No
UPR-200-W-99	Nitrobenzene	98-95-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Pentachlorophenol	87-86-5	ug/kg	8/22/2000	5/12/2009	3	0	0	410	960	--	No	No
UPR-200-W-99	Phenanthrene	85-01-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	29,000	No	No
UPR-200-W-99	Plutonium-238	13981-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.023	0.19	17,500	No	No

Table A-3. Comparison of Minimum and Maximum MDLs and MDAs to the Plant Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Plant PRG	Is Minimum MDL or MDA > Plant PRG?	Is Maximum MDL or MDA > Plant PRG?
UPR-200-W-99	Pyridine	110-86-1	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Silver	7440-22-4	ug/kg	8/22/2000	5/12/2009	3	0	0	99	160	2,000	No	No
UPR-200-W-99	Styrene	100-42-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Sulfide	18496-25-8	ug/kg	8/22/2000	8/22/2000	1	0	0	20,600	20,600	--	No	No
UPR-200-W-99	Technetium-99	14133-76-7	pCi/g	8/22/2000	5/12/2009	4	0	0	0.38	0.61	21,900	No	No
UPR-200-W-99	Tetrachloroethene	127-18-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tin-126	15832-50-5	pCi/g	10/28/2002	10/28/2002	1	0	0	0.10	0.10	--	No	No
UPR-200-W-99	Toluene	108-88-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	200,000	No	No
UPR-200-W-99	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/28/2002	10/28/2002	1	0	0	33	33	--	No	No
UPR-200-W-99	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	5/12/2009	2	0	0	150	380	--	No	No
UPR-200-W-99	Trichloroethene	79-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tritium	10028-17-8	pCi/g	8/22/2000	5/12/2009	4	0	0	0.091	3.6	1.68E+06	No	No
UPR-200-W-99	Vinyl chloride	75-01-4	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Xylenes (total)	1330-20-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
200-E-115	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	1,1,1-Trichloroethane	71-55-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	--	No	No
200-E-115	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.25	--	No	No
200-E-115	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	--	No	No
200-E-115	1,1,2-Trichloroethane	79-00-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.19	--	No	No
200-E-115	1,1-Dichloroethene	75-35-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.35	0.49	--	No	No
200-E-115	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/17/2010	8/29/2010	8	0	0	75	77	--	No	No
200-E-115	1,2-Dichlorobenzene	95-50-1	ug/kg	8/17/2010	8/29/2010	8	0	0	97	101	--	No	No
200-E-115	1,2-Dichloroethane	107-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.044	0.063	--	No	No
200-E-115	1-Butanol	71-36-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.5	12	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.00E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	5.10E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,3,5-Trichlorobiphenyl	55720-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.80E-04	--	No	No
200-E-115	2',3,5-Trichlorobiphenyl	37680-68-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	2,3,6-Trichlorobiphenyl	55702-45-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	8.30E-04	--	No	No
200-E-115	2,3',6-Trichlorobiphenyl	38444-76-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	7.10E-04	--	No	No
200-E-115	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.10E-04	0.0019	--	No	No
200-E-115	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.60E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/17/2010	8/29/2010	8	0	0	42	44	--	No	No
200-E-115	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	48	50	--	No	No
200-E-115	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.30E-04	0.0020	--	No	No
200-E-115	2,4-Dinitrotoluene	121-14-2	ug/kg	8/17/2010	8/29/2010	8	0	0	37	38	--	No	No
200-E-115	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	8.40E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	9.00E-04	0.0021	--	No	No
200-E-115	2-Butanone	78-93-3	ug/kg	8/17/2010	8/29/2010	8	0	0	1.6	2.3	--	No	No
200-E-115	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	8/29/2010	8	0	0	64	67	--	No	No
200-E-115	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/17/2010	8/29/2010	8	0	0	92	94	--	No	No
200-E-115	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/17/2010	8/29/2010	8	0	0	55	58	--	No	No
200-E-115	2-Nitrophenol	88-75-5	ug/kg	8/17/2010	8/29/2010	8	0	0	52	54	--	No	No
200-E-115	2-Nitropropane	79-46-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',4-Trichlorobiphenyl	37680-69-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,4,5-Trichlorobiphenyl	53555-66-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	6.00E-04	--	No	No
200-E-115	3,4',5-Trichlorobiphenyl	38444-88-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04	--	No	No
200-E-115	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
200-E-115	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	7.10E-04	0.0017	--	No	No
200-E-115	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/17/2010	8/29/2010	8	0	0	50	51	--	No	No
200-E-115	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04	--	No	No
200-E-115	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.085	0.26	--	No	No
200-E-115	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.41	1.2	--	No	No
200-E-115	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.65	2.0	--	No	No
200-E-115	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	8.80E-04	0.0023	--	No	No
200-E-115	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	42	43	--	No	No
200-E-115	4-Methyl-2-pentanone	108-10-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.4	2.0	--	No	No
200-E-115	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.90E-04	--	No	No
200-E-115	Acenaphthene	83-32-9	ug/kg	8/17/2010	8/29/2010	8	0	0	17	18	20,000	No	No
200-E-115	Acetone	67-64-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.8	2.6	--	No	No
200-E-115	Aldrin	309-00-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.32	0.98	--	No	No
200-E-115	Alpha-BHC	319-84-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.42	--	No	No
200-E-115	Americium-241	14596-10-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.42	0.61	--	No	No
200-E-115	Antimony-125	14234-35-6	pCi/g	8/17/2010	8/29/2010	8	0	0	0.71	1.2	--	No	No
200-E-115	Aroclor-1016	12674-11-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	40,000	No	No
200-E-115	Aroclor-1221	11104-28-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	40,000	No	No
200-E-115	Aroclor-1232	11141-16-5	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	40,000	No	No
200-E-115	Aroclor-1242	53469-21-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	40,000	No	No
200-E-115	Aroclor-1248	12672-29-6	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	40,000	No	No
200-E-115	Aroclor-1254	11097-69-1	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	40,000	No	No
200-E-115	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	40,000	No	No
200-E-115	Benzene	71-43-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.12	0.17	--	No	No
200-E-115	Benzo(a)anthracene	56-55-3	ug/kg	8/17/2010	8/29/2010	8	0	0	36	38	18,000	No	No
200-E-115	Benzo(a)pyrene	50-32-8	ug/kg	8/17/2010	8/29/2010	8	0	0	40	41	18,000	No	No
200-E-115	Benzo(b)fluoranthene	205-99-2	ug/kg	8/17/2010	8/29/2010	8	0	0	47	49	18,000	No	No
200-E-115	Benzo(k)fluoranthene	207-08-9	ug/kg	8/17/2010	8/29/2010	8	0	0	38	39	18,000	No	No
200-E-115	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.31	0.96	--	No	No
200-E-115	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/17/2010	8/29/2010	8	0	0	568	590	100,000	No	No
200-E-115	Bismuth	7440-69-9	ug/kg	8/18/2010	8/18/2010	1	0	0	8,310	8,310	--	No	No
200-E-115	Bromide	24959-67-9	ug/kg	8/17/2010	8/29/2010	8	0	0	567	580	--	No	No
200-E-115	Carbon disulfide	75-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.13	0.19	--	No	No
200-E-115	Carbon tetrachloride	56-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	--	No	No
200-E-115	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	8/29/2010	8	0	0	176	182	--	No	No
200-E-115	Cesium-137	10045-97-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.34	0.58	--	No	No
200-E-115	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12	1,000	No	No
200-E-115	Chlorobenzene	108-90-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.071	0.10	40,000	No	No
200-E-115	Chloroform	67-66-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.11	0.15	--	No	No
200-E-115	Chrysene	218-01-9	ug/kg	8/17/2010	8/29/2010	8	0	0	78	81	18,000	No	No
200-E-115	cis-1,2-Dichloroethylene	156-59-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.15	0.21	--	No	No
200-E-115	Cobalt-60	10198-40-0	pCi/g	8/17/2010	8/29/2010	8	0	0	0.28	0.44	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	Curium-242	15510-73-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-E-115	Curium-243/244	CM-243/244	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-E-115	Cyanide	57-12-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2,600	2,680	--	No	No
200-E-115	Cyclohexanone	108-94-1	ug/kg	8/17/2010	8/29/2010	8	0	0	537	558	--	No	No
200-E-115	Delta-BHC	319-86-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.77	--	No	No
200-E-115	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	18,000	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
200-E-115	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	8/29/2010	8	0	0	870	920	--	No	No
200-E-115	Dieldrin	60-57-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.69	--	No	No
200-E-115	Diethyl ether	60-29-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.21	0.30	--	No	No
200-E-115	Di-n-octylphthalate	117-84-0	ug/kg	8/17/2010	8/29/2010	8	0	0	46	48	--	No	No
200-E-115	Endrin	72-20-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.43	--	No	No
200-E-115	Ethyl acetate	141-78-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	Ethylbenzene	100-41-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.088	0.13	--	No	No
200-E-115	Ethylene glycol	107-21-1	ug/kg	8/17/2010	8/29/2010	8	0	0	13,000	14,000	--	No	No
200-E-115	Europium-152	14683-23-9	pCi/g	8/17/2010	8/29/2010	8	0	0	1.4	2.0	--	No	No
200-E-115	Europium-154	15585-10-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.89	1.5	--	No	No
200-E-115	Europium-155	14391-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.46	1.0	--	No	No
200-E-115	Fluoranthene	206-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	34	35	18,000	No	No
200-E-115	Gamma-BHC (Lindane)	58-89-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.18	0.54	--	No	No
200-E-115	Heptachlor epoxide	1024-57-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.45	1.4	--	No	No
200-E-115	Heptachlor	76-44-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.099	0.30	--	No	No
200-E-115	Hexachlorobutadiene	87-68-3	ug/kg	8/17/2010	8/29/2010	8	0	0	67	70	--	No	No
200-E-115	Hexachloroethane	67-72-1	ug/kg	8/17/2010	8/29/2010	8	0	0	108	112	--	No	No
200-E-115	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	18,000	No	No
200-E-115	Iodine-129	15046-84-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.14	0.22	--	No	No
200-E-115	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	443	460	--	No	No
200-E-115	Mercury	7439-97-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.2	9.8	100	No	No
200-E-115	Methylene chloride	75-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.053	0.075	--	No	No
200-E-115	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	630	680	--	No	No
200-E-115	Naphthalene	91-20-3	ug/kg	8/17/2010	8/29/2010	8	0	0	60	63	29,000	No	No
200-E-115	Nickel-63	13981-37-8	pCi/g	8/17/2010	8/29/2010	8	0	0	4.3	5.9	--	No	No
200-E-115	Nitrobenzene	98-95-3	ug/kg	8/17/2010	8/29/2010	8	0	0	62	65	--	No	No
200-E-115	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	8/29/2010	8	0	0	56	58	--	No	No
200-E-115	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	8/29/2010	8	0	0	184	191	--	No	No
200-E-115	o-Xylene	95-47-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	--	No	No
200-E-115	Plutonium-238	13981-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	--	No	No
200-E-115	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	--	No	No
200-E-115	Pyrene	129-00-0	ug/kg	8/17/2010	8/29/2010	8	0	0	61	63	18,000	No	No
200-E-115	Pyridine	110-86-1	ug/kg	8/17/2010	8/29/2010	8	0	0	63	65	--	No	No
200-E-115	Strontium-90	10098-97-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.18	0.57	--	No	No
200-E-115	Tetrachloroethene	127-18-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.090	0.13	--	No	No
200-E-115	Total cresols	1319-77-3	ug/kg	8/17/2010	8/29/2010	8	0	0	103	107	--	No	No
200-E-115	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	8/17/2010	8/29/2010	8	0	0	10	11	--	No	No
200-E-115	trans-1,2-Dichloroethylene	156-60-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.35	--	No	No
200-E-115	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.32	--	No	No
200-E-115	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	8/29/2010	8	0	0	104	108	--	No	No
200-E-115	Trichloroethene	79-01-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.100	0.14	--	No	No
200-E-115	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	--	No	No
200-E-115	Vinyl chloride	75-01-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	Xylenes (total)	1330-20-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-W-54	1,1,1-Trichloroethane	71-55-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,1,2-Trichloroethane	79-00-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,1-Dichloroethane	75-34-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,1-Dichloroethene	75-35-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,2,4-Trichlorobenzene	120-82-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,2-Dichlorobenzene	95-50-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,2-Dichloroethane	107-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,2-Dichloropropane	78-87-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,3-Dichlorobenzene	541-73-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,4-Dichlorobenzene	106-46-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
200-W-54	2,4,5-Trichlorophenol	95-95-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4,6-Trichlorophenol	88-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dichlorophenol	120-83-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dimethylphenol	105-67-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dinitrophenol	51-28-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4-Dinitrotoluene	121-14-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,6-Dinitrotoluene	606-20-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Butanone	78-93-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	2-Chloronaphthalene	91-58-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Hexanone	591-78-6	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	2-Methylnaphthalene	91-57-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	29,000	No	No
200-W-54	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Nitroaniline	88-74-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2-Nitrophenol	88-75-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3,3'-Dichlorobenzidine	91-94-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3-Nitroaniline	99-09-2	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Bromophenylphenyl ether	101-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloroaniline	106-47-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Methyl-2-pentanone	108-10-1	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	4-Nitroaniline	100-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Nitrophenol	100-02-7	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Acenaphthene	83-32-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	20,000	No	No
200-W-54	Acenaphthylene	208-96-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	29,000	No	No
200-W-54	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.13	0.13	--	No	No
200-W-54	Anthracene	120-12-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	29,000	No	No
200-W-54	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	40,000	No	No
200-W-54	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/19/2001	1	0	0	69	69	40,000	No	No
200-W-54	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	40,000	No	No
200-W-54	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	40,000	No	No
200-W-54	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	40,000	No	No
200-W-54	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	40,000	No	No
200-W-54	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	40,000	No	No
200-W-54	Benzene	71-43-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Benzo(a)anthracene	56-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Benzo(a)pyrene	50-32-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Benzo(b)fluoranthene	205-99-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Benzo(ghi)perylene	191-24-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Benzo(k)fluoranthene	207-08-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-chloroethyl) ether	111-44-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	100,000	No	No
200-W-54	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Bromodichloromethane	75-27-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromoform	75-25-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromomethane	74-83-9	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbazole	86-74-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbon disulfide	75-15-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Carbon tetrachloride	56-23-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Carbon-14	14762-75-5	pCi/g	10/19/2001	10/19/2001	1	0	0	3.9	3.9	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
200-W-54	Chlorobenzene	108-90-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	40,000	No	No
200-W-54	Chloroethane	75-00-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Chloromethane	74-87-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chrysene	218-01-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Cobalt-60	10198-40-0	pCi/g	10/19/2001	10/19/2001	1	0	0	0.044	0.044	--	No	No
200-W-54	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	1	0	0	450	450	--	No	No
200-W-54	Dibenz(a,h)anthracene	53-70-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Dibenzofuran	132-64-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dibromochloromethane	124-48-1	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dimethyl phthalate	131-11-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-octylphthalate	117-84-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Ethylbenzene	100-41-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Europium-152	14683-23-9	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	--	No	No
200-W-54	Europium-154	15585-10-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.14	0.14	--	No	No
200-W-54	Europium-155	14391-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.11	0.11	--	No	No
200-W-54	Fluoranthene	206-44-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Fluorene	86-73-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	29,000	No	No
200-W-54	Hexachlorobenzene	118-74-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorobutadiene	87-68-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorocyclopentadiene	77-47-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachloroethane	67-72-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Isophorone	78-59-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Naphthalene	91-20-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	29,000	No	No
200-W-54	Neptunium-237	13994-20-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.060	0.060	--	No	No
200-W-54	Nickel-63	13981-37-8	pCi/g	10/19/2001	10/19/2001	1	0	0	2.1	2.1	--	No	No
200-W-54	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	1	0	0	1,290	1,290	--	No	No
200-W-54	Nitrobenzene	98-95-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodiphenylamine	86-30-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Pentachlorophenol	87-86-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Phenanthrene	85-01-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	29,000	No	No
200-W-54	Phenol	108-95-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	30,000	No	No
200-W-54	Plutonium-238	13981-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	--	No	No
200-W-54	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	--	No	No
200-W-54	Pyrene	129-00-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,000	No	No
200-W-54	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Strontium-90	10098-97-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.33	0.33	--	No	No
200-W-54	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	1	0	0	36,000	36,000	--	No	No
200-W-54	Technetium-99	14133-76-7	pCi/g	10/19/2001	10/19/2001	1	0	0	0.41	0.41	--	No	No
200-W-54	Tetrachloroethene	127-18-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Toluene	108-88-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	200,000	No	No
200-W-54	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	200,000	No	No
200-W-54	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	10/19/2001	1	0	0	2,000	2,000	--	No	No
200-W-54	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	--	No	No
200-W-54	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Trichloroethene	79-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Tritium	10028-17-8	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	--	No	No
200-W-54	Uranium-235	15117-96-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.18	0.18	--	No	No
200-W-54	Vinyl chloride	75-01-4	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
200-W-54	Xylenes (total)	1330-20-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
207-A-South	1,1,1-Trichloroethane	71-55-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,1,2-Trichloroethane	79-00-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,1-Dichloroethane	75-34-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,1-Dichloroethene	75-35-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2,4-Trichlorobenzene	120-82-1	ug/kg	9/10/2003	9/10/2003	3	0	0	300	300	--	No	No
207-A-South	1,2-Dichlorobenzene	95-50-1	ug/kg	9/10/2003	9/10/2003	3	0	0	370	370	--	No	No
207-A-South	1,2-Dichloroethane	107-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2-Dichloroethene (Total)	540-59-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2-Dichloropropane	78-87-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,3-Dichlorobenzene	541-73-1	ug/kg	9/10/2003	9/10/2003	3	0	0	330	330	--	No	No
207-A-South	1,4-Dichlorobenzene	106-46-7	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	1-Butanol	71-36-3	ug/kg	9/10/2003	9/10/2003	3	0	0	41	41	--	No	No
207-A-South	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	2,4,5-Trichlorophenol	95-95-4	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	2,4,6-Trichlorophenol	88-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	2,4-Dichlorophenol	120-83-2	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	2,4-Dimethylphenol	105-67-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-Dinitrophenol	51-28-5	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	2,4-Dinitrotoluene	121-14-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,6-Dinitrotoluene	606-20-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	2-Butoxyethanol	111-76-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	2-Chloronaphthalene	91-58-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	3	0	0	150	150	--	No	No
207-A-South	2-Hexanone	591-78-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	2-Methylnaphthalene	91-57-6	ug/kg	9/10/2003	9/10/2003	3	0	0	180	190	29,000	No	No
207-A-South	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	9/10/2003	11/12/2015	27	0	0	34	113	--	No	No
207-A-South	2-Nitroaniline	88-74-4	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Nitrophenol	88-75-5	ug/kg	9/10/2003	9/10/2003	3	0	0	180	180	--	No	No
207-A-South	2-Pentanone	107-87-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	3,3'-Dichlorobenzidine	91-94-1	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	9/10/2003	11/12/2015	27	0	0	69	120	--	No	No
207-A-South	3-Nitroaniline	99-09-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	4-Bromophenylphenyl ether	101-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloroaniline	106-47-8	ug/kg	9/10/2003	9/10/2003	3	0	0	95	96	--	No	No
207-A-South	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Methyl-2-pentanone	108-10-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	4-Nitroaniline	100-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	4-Nitrophenol	100-02-7	ug/kg	9/10/2003	9/10/2003	3	0	0	660	670	--	No	No
207-A-South	Acenaphthene	83-32-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	20,000	No	No
207-A-South	Acenaphthylene	208-96-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	29,000	No	No
207-A-South	Acetone	67-64-1	ug/kg	9/10/2003	11/12/2015	27	0	0	2.0	4.0	--	No	No
207-A-South	Aldrin	309-00-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Alpha-BHC	319-84-6	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Alpha-Chlordane	5103-71-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	3	0	0	258	258	--	No	No
207-A-South	Anthracene	120-12-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	29,000	No	No
207-A-South	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	4,930	78,000	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
207-A-South	Aroclor-1016	12674-11-2	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	40,000	No	No
207-A-South	Aroclor-1221	11104-28-2	ug/kg	9/10/2003	9/10/2003	3	0	0	99	100	40,000	No	No
207-A-South	Aroclor-1232	11141-16-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	40,000	No	No
207-A-South	Aroclor-1242	53469-21-9	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	40,000	No	No
207-A-South	Aroclor-1248	12672-29-6	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	40,000	No	No
207-A-South	Aroclor-1254	11097-69-1	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	40,000	No	No
207-A-South	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	40,000	No	No
207-A-South	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	60,000	No	No
207-A-South	Benzene	71-43-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Benzo(a)anthracene	56-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Benzo(a)pyrene	50-32-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Benzo(b)fluoranthene	205-99-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Benzo(ghi)perylene	191-24-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Benzo(k)fluoranthene	207-08-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Benzyl alcohol	100-51-6	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	40,000	No	No
207-A-South	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	9/10/2003	9/10/2003	3	0	0	260	260	--	No	No
207-A-South	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	9/10/2003	9/10/2003	3	0	0	120	120	--	No	No
207-A-South	Bis(2-chloroethyl) ether	111-44-4	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	3	0	0	570	580	100,000	No	No
207-A-South	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	3	0	0	4,970	5,000	--	No	No
207-A-South	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	3	0	0	5,070	5,100	29,000	No	No
207-A-South	Bromodichloromethane	75-27-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromoform	75-25-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromomethane	74-83-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	20,000	No	No
207-A-South	Carbazole	86-74-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	Carbon disulfide	75-15-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Carbon tetrachloride	56-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	3.8	--	No	No
207-A-South	Chlorobenzene	108-90-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	40,000	No	No
207-A-South	Chloroethane	75-00-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chloromethane	74-87-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	18,500	No	No
207-A-South	Chrysene	218-01-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	cis-1,3-Dichloropropene	10061-01-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	3	0	0	200	200	--	No	No
207-A-South	Dalapon	75-99-0	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Delta-BHC	319-86-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Dibenz(a,h)anthracene	53-70-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Dibenzofuran	132-64-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dibromochloromethane	124-48-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Dicamba	1918-00-9	ug/kg	9/3/2003	9/4/2003	5	0	0	70	75	--	No	No
207-A-South	Dichloroprop	120-36-5	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Dieldrin	60-57-1	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Diethyl ether	60-29-7	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Dimethyl phthalate	131-11-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	3	0	0	89	89	--	No	No
207-A-South	Di-n-octylphthalate	117-84-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Endosulfan I	959-98-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
207-A-South	Endosulfan II	33213-65-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endosulfan sulfate	1031-07-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin aldehyde	7421-93-4	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin ketone	53494-70-5	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin	72-20-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Ethylbenzene	100-41-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Ethylene glycol	107-21-1	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Fluoranthene	206-44-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Fluorene	86-73-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	29,000	No	No
207-A-South	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	3	0	0	350	350	--	No	No
207-A-South	Gamma-BHC (Lindane)	58-89-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor epoxide	1024-57-3	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor	76-44-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Hexachlorobenzene	118-74-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Hexachlorobutadiene	87-68-3	ug/kg	9/10/2003	9/10/2003	3	0	0	370	380	--	No	No
207-A-South	Hexachlorocyclopentadiene	77-47-4	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	Hexachloroethane	67-72-1	ug/kg	9/10/2003	9/10/2003	3	0	0	480	480	--	No	No
207-A-South	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/10/2003	12	0	0	410	450	--	No	No
207-A-South	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Iodine-129	15046-84-1	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	12	--	No	No
207-A-South	Isophorone	78-59-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	3	0	0	11,700	11,800	500,000	No	No
207-A-South	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	100	Yes	Yes
207-A-South	Methanol	67-56-1	ug/kg	9/10/2003	9/10/2003	3	0	0	1,000	1,000	--	No	No
207-A-South	Methoxychlor	72-43-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Methylene chloride	75-09-2	ug/kg	9/10/2003	11/12/2015	27	0	0	1.3	6.7	--	No	No
207-A-South	Naphthalene	91-20-3	ug/kg	9/10/2003	9/10/2003	3	0	0	290	290	29,000	No	No
207-A-South	n-Butylbenzene	104-51-8	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Neptunium-237	13994-20-2	pCi/g	9/3/2003	9/10/2003	12	0	0	0.017	0.29	--	No	No
207-A-South	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	6,500	200,000	No	No
207-A-South	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/10/2003	12	0	0	2.3	2.8	--	No	No
207-A-South	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	3	0	0	1,480	1,480	--	No	No
207-A-South	Nitrobenzene	98-95-3	ug/kg	9/10/2003	9/10/2003	3	0	0	270	270	--	No	No
207-A-South	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	n-Nitrosodiphenylamine	86-30-6	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Oil and grease	OIL/GREASE	ug/kg	9/3/2003	9/10/2003	12	0	0	680,000	748,000	--	No	No
207-A-South	Pentachlorophenol	87-86-5	ug/kg	9/10/2003	9/10/2003	3	0	0	310	310	--	No	No
207-A-South	Phenanthrene	85-01-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	29,000	No	No
207-A-South	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	30,000	No	No
207-A-South	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	3	0	0	1,990	1,990	--	No	No
207-A-South	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	18,000	No	No
207-A-South	Ruthenium-103	13968-53-1	pCi/g	9/10/2003	9/10/2003	3	0	0	0.0090	0.015	--	No	No
207-A-South	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	4,000	No	No
207-A-South	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/10/2003	12	0	0	0.44	0.61	--	No	No
207-A-South	Tetrachloroethene	127-18-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	3	0	0	0.090	0.20	--	No	No
207-A-South	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	200,000	No	No
207-A-South	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	200,000	No	No
207-A-South	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	--	No	No
207-A-South	Toxaphene	8001-35-2	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	trans-1,3-Dichloropropene	10061-02-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	trans-Chlordane	5103-74-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Trichloroethene	79-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
207-A-South	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	100,000	No	No
207-A-South	Vinyl chloride	75-01-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Xylenes (total)	1330-20-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-T	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Butanone	78-93-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Hexanone	591-78-6	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	29,000	No	No
207-T	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Acenaphthene	83-32-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	20,000	No	No
207-T	Acenaphthylene	208-96-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	29,000	No	No
207-T	Americium-241	14596-10-2	pCi/g	8/7/2000	11/30/2000	6	0	0	0.050	0.21	--	No	No
207-T	Anthracene	120-12-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	29,000	No	No
207-T	Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0	0.028	0.034	--	No	No
207-T	Benzene	71-43-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
207-T	Bromoform	75-25-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromomethane	74-83-9	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Cadmium	7440-43-9	ug/kg	8/7/2000	11/30/2000	3	0	0	30	30	20,000	No	No
207-T	Carbazole	86-74-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Carbon disulfide	75-15-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Chlorobenzene	108-90-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	40,000	No	No
207-T	Chloroethane	75-00-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chloroform	67-66-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Chloromethane	74-87-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chrysene	218-01-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Cyanide	57-12-5	ug/kg	8/7/2000	11/30/2000	3	0	0	490	540	--	No	No
207-T	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Dibenzofuran	132-64-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Diethylphthalate	84-66-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Ethylbenzene	100-41-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Fluoranthene	206-44-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Fluorene	86-73-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	29,000	No	No
207-T	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachloroethane	67-72-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Iodine-129	15046-84-1	pCi/g	8/7/2000	11/30/2000	6	0	0	1.2	3.8	--	No	No
207-T	Isophorone	78-59-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Mercury	7439-97-6	ug/kg	8/7/2000	11/30/2000	3	0	0	20	20	100	No	No
207-T	Naphthalene	91-20-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	29,000	No	No
207-T	Nitrobenzene	98-95-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Phenanthrene	85-01-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	29,000	No	No
207-T	Pyrene	129-00-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,000	No	No
207-T	Selenium	7782-49-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	440	4,000	No	No
207-T	Silver	7440-22-4	ug/kg	8/7/2000	11/30/2000	3	0	0	100	110	2,990	No	No
207-T	Styrene	100-42-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Sulfide	18496-25-8	ug/kg	8/7/2000	11/30/2000	3	0	0	37,700	40,300	--	No	No
207-T	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Toluene	108-88-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	200,000	No	No
207-T	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Trichloroethene	79-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Vinyl chloride	75-01-4	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
216-A-34	1,1-Dichloroethene	75-35-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	--	No	No
216-A-34	1,2,4-Trichlorobenzene	120-82-1	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	--	No	No
216-A-34	1,2-Dichlorobenzene	95-50-1	ug/kg	4/4/2003	4/4/2003	1	0	0	370	370	--	No	No
216-A-34	1,3-Dichlorobenzene	541-73-1	ug/kg	4/4/2003	4/4/2003	1	0	0	330	330	--	No	No
216-A-34	1,4-Dichlorobenzene	106-46-7	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	1-Butanol	71-36-3	ug/kg	4/4/2003	4/4/2003	1	0	0	20	20	--	No	No
216-A-34	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
216-A-34	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	0	17	17	--	No	No
216-A-34	2,4,5-Trichlorophenol	95-95-4	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4,6-Trichlorophenol	88-06-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	4/4/2003	1	0	0	34	34	--	No	No
216-A-34	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	2,4-Dichlorophenol	120-83-2	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2,4-Dimethylphenol	105-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-Dinitrophenol	51-28-5	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4-Dinitrotoluene	121-14-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,6-Dinitrotoluene	606-20-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	2-Chloronaphthalene	91-58-7	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	0	150	150	--	No	No
216-A-34	2-Methylnaphthalene	91-57-6	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	29,000	No	No
216-A-34	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitroaniline	88-74-4	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitrophenol	88-75-5	ug/kg	4/4/2003	4/4/2003	1	0	0	180	180	--	No	No
216-A-34	3,3'-Dichlorobenzidine	91-94-1	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	3-Nitroaniline	99-09-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	4-Bromophenylphenyl ether	101-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloroaniline	106-47-8	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	--	No	No
216-A-34	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Nitroaniline	100-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	4-Nitrophenol	100-02-7	ug/kg	4/4/2003	4/4/2003	1	0	0	670	670	--	No	No
216-A-34	Acenaphthene	83-32-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	20,000	No	No
216-A-34	Acenaphthylene	208-96-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	29,000	No	No
216-A-34	Aldrin	309-00-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Alpha-BHC	319-84-6	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Anthracene	120-12-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	29,000	No	No
216-A-34	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	0	239	239	78,000	No	No
216-A-34	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0	0.036	0.036	--	No	No
216-A-34	Benzene	71-43-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	--	No	No
216-A-34	Benzo(a)anthracene	56-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Benzo(a)pyrene	50-32-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Benzo(b)fluoranthene	205-99-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Benzo(ghi)perylene	191-24-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Benzo(k)fluoranthene	207-08-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	4/4/2003	4/4/2003	1	0	0	260	260	--	No	No
216-A-34	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	Bis(2-chloroethyl) ether	111-44-4	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	0	6,770	6,770	--	No	No
216-A-34	Bromide	24959-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	900	900	--	No	No
216-A-34	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Carbazole	86-74-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	0	1.9	1.9	--	No	No
216-A-34	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.017	0.017	--	No	No
216-A-34	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.014	0.014	--	No	No
216-A-34	Chlorobenzene	108-90-7	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	40,000	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
216-A-34	Chrysene	218-01-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0	0.012	0.012	--	No	No
216-A-34	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dalapon	75-99-0	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Delta-BHC	319-86-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Dibenz(a,h)anthracene	53-70-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Dibenzofuran	132-64-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dicamba	1918-00-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dichloroprop	120-36-5	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Dieldrin	60-57-1	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Diethyl ether	60-29-7	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Diethylphthalate	84-66-2	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dimethyl phthalate	131-11-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	89	89	--	No	No
216-A-34	Di-n-octylphthalate	117-84-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Endosulfan I	959-98-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Endosulfan II	33213-65-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin ketone	53494-70-5	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin	72-20-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Ethylene glycol	107-21-1	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.040	0.040	--	No	No
216-A-34	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.038	0.038	--	No	No
216-A-34	Fluoranthene	206-44-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Fluorene	86-73-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	29,000	No	No
216-A-34	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor	76-44-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Hexachlorobenzene	118-74-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Hexachlorobutadiene	87-68-3	ug/kg	4/4/2003	4/4/2003	1	0	0	380	380	--	No	No
216-A-34	Hexachlorocyclopentadiene	77-47-4	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	Hexachloroethane	67-72-1	ug/kg	4/4/2003	4/4/2003	1	0	0	480	480	--	No	No
216-A-34	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	0	420	420	--	No	No
216-A-34	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Iodine-129	15046-84-1	pCi/g	4/4/2003	4/4/2003	1	0	0	2.4	2.4	--	No	No
216-A-34	Isophorone	78-59-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	0	48	48	100	No	No
216-A-34	Methanol	67-56-1	ug/kg	4/4/2003	4/4/2003	1	0	0	1,000	1,000	--	No	No
216-A-34	Methoxychlor	72-43-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Molybdenum	7439-98-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	28,000	No	No
216-A-34	Naphthalene	91-20-3	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	29,000	No	No
216-A-34	Neptunium-237	13994-20-2	pCi/g	4/4/2003	4/4/2003	1	0	0	0.092	0.092	--	No	No
216-A-34	Nitrite	14797-65-0	ug/kg	4/4/2003	4/4/2003	1	0	0	591	591	--	No	No
216-A-34	Nitrobenzene	98-95-3	ug/kg	4/4/2003	4/4/2003	1	0	0	270	270	--	No	No
216-A-34	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	n-Nitrosodiphenylamine	86-30-6	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	4/4/2003	1	0	0	694,000	694,000	--	No	No
216-A-34	Pentachlorophenol	87-86-5	ug/kg	4/4/2003	4/4/2003	1	0	0	310	310	--	No	No
216-A-34	Phenanthrene	85-01-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	29,000	No	No
216-A-34	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	30,000	No	No
216-A-34	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.28	0.28	--	No	No
216-A-34	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	18,000	No	No
216-A-34	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.013	0.013	--	No	No
216-A-34	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.12	0.12	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
216-A-34	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	4,000	No	No
216-A-34	Silver	7440-22-4	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	2,990	No	No
216-A-34	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0	0.58	0.58	--	No	No
216-A-34	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0	0.20	0.20	--	No	No
216-A-34	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	200,000	No	No
216-A-34	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Toxaphene	8001-35-2	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Trichloroethene	79-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	--	No	No
216-A-34	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0	0.17	0.17	--	No	No
UPR-200-E-64	Cadmium	7440-43-9	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	20,000	No	No
UPR-200-E-64	Cobalt-60	10198-40-0	pCi/g	2/11/2008	2/12/2008	2	0	0	0.013	0.064	--	No	No
UPR-200-E-64	Europium-152	14683-23-9	pCi/g	2/11/2008	2/12/2008	2	0	0	0.036	0.98	--	No	No
UPR-200-E-64	Europium-155	14391-16-3	pCi/g	2/11/2008	2/12/2008	2	0	0	0.053	1.1	--	No	No
UPR-200-E-64	Fluoride	16984-48-8	ug/kg	2/11/2008	2/12/2008	2	0	0	294	300	--	No	No
UPR-200-E-64	Neptunium-237	13994-20-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.038	0.043	--	No	No
UPR-200-E-64	Nickel-63	13981-37-8	pCi/g	2/11/2008	2/12/2008	2	0	0	3.4	6.3	--	No	No
UPR-200-E-64	Nitrite	14797-65-0	ug/kg	2/11/2008	2/12/2008	2	0	0	1,610	1,640	--	No	No
UPR-200-E-64	Silver	7440-22-4	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	2,990	No	No
UPR-200-E-64	Strontium-90	10098-97-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.48	12	--	No	No
UPR-200-E-64	Technetium-99	14133-76-7	pCi/g	2/11/2008	2/12/2008	2	0	0	0.39	0.74	--	No	No
UPR-200-E-64	Tritium	10028-17-8	pCi/g	2/11/2008	2/12/2008	2	0	0	4.0	4.2	--	No	No
UPR-200-E-89	1,1,1-Trichloroethane	71-55-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,1,2-Trichloroethane	79-00-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,1-Dichloroethane	75-34-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,1-Dichloroethene	75-35-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,2,4-Trichlorobenzene	120-82-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,2-Dichlorobenzene	95-50-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,2-Dichloroethane	107-06-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2-Dichloropropane	78-87-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,3-Dichlorobenzene	541-73-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dichlorobenzene	106-46-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10	11	--	No	No
UPR-200-E-89	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4,5-Trichlorophenol	95-95-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4,6-Trichlorophenol	88-06-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dichlorophenol	120-83-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dimethylphenol	105-67-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrophenol	51-28-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrotoluene	121-14-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,6-Dinitrotoluene	606-20-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Butanone	78-93-3	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	2-Chloronaphthalene	91-58-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Hexanone	591-78-6	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	2-Methylnaphthalene	91-57-6	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	29,000	No	No
UPR-200-E-89	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
UPR-200-E-89	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Nitroaniline	88-74-4	ug/kg	7/16/2015	10/22/2015	9	0	0	114	116	--	No	No
UPR-200-E-89	2-Nitrophenol	88-75-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dichlorobenzidine	91-94-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Nitroaniline	99-09-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	4-Bromophenylphenyl ether	101-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	10/22/2015	9	0	0	138	141	--	No	No
UPR-200-E-89	4-Chloroaniline	106-47-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Methyl-2-pentanone	108-10-1	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	4-Nitroaniline	100-01-6	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitrophenol	100-02-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Acenaphthene	83-32-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	20,000	No	No
UPR-200-E-89	Acenaphthylene	208-96-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	29,000	No	No
UPR-200-E-89	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122	--	No	No
UPR-200-E-89	Americium-241	14596-10-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.16	0.47	--	No	No
UPR-200-E-89	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Anthracene	120-12-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	29,000	No	No
UPR-200-E-89	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Aroclor-1016	12674-11-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1221	11104-28-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1232	11141-16-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1242	53469-21-9	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1248	12672-29-6	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1254	11097-69-1	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	40,000	No	No
UPR-200-E-89	Aroclor-1262	37324-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Aroclor-1268	11100-14-4	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Benzene	71-43-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Benzo(a)anthracene	56-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Benzo(a)pyrene	50-32-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Benzo(b)fluoranthene	205-99-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Benzo(ghi)perylene	191-24-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Benzo(k)fluoranthene	207-08-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175	--	No	No
UPR-200-E-89	Benzyl alcohol	100-51-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloroethyl) ether	111-44-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bismuth	7440-69-9	ug/kg	7/16/2015	7/21/2015	2	0	0	91	103	--	No	No
UPR-200-E-89	Bromodichloromethane	75-27-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromoform	75-25-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromomethane	74-83-9	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Carbazole	86-74-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Carbon disulfide	75-15-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
UPR-200-E-89	Carbon tetrachloride	56-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Carbon-14	14762-75-5	pCi/g	7/16/2015	10/22/2015	8	0	0	2.5	4.4	--	No	No
UPR-200-E-89	Chlorobenzene	108-90-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	40,000	No	No
UPR-200-E-89	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Chloroethane	75-00-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chloroform	67-66-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chloromethane	74-87-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chrysene	218-01-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Cobalt-60	10198-40-0	pCi/g	4/29/2008	10/22/2015	3	0	0	0.042	0.16	--	No	No
UPR-200-E-89	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dibenz(a,h)anthracene	53-70-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Dibenzofuran	132-64-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dibromochloromethane	124-48-1	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Diethylphthalate	84-66-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dimethyl phthalate	131-11-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Di-n-octylphthalate	117-84-0	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethylbenzene	100-41-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Europium-152	14683-23-9	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.72	--	No	No
UPR-200-E-89	Europium-154	15585-10-1	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.48	--	No	No
UPR-200-E-89	Europium-155	14391-16-3	pCi/g	4/29/2008	10/22/2015	3	0	0	0.10	0.86	--	No	No
UPR-200-E-89	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Fluoranthene	206-44-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Fluorene	86-73-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	29,000	No	No
UPR-200-E-89	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	0	6.4	6.4	--	No	No
UPR-200-E-89	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	0	15	15	--	No	No
UPR-200-E-89	Hexachlorobenzene	118-74-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorobutadiene	87-68-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorocyclopentadiene	77-47-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachloroethane	67-72-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4,000	4,050	--	No	No
UPR-200-E-89	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Iodine-129	15046-84-1	pCi/g	10/1/2015	10/22/2015	3	0	0	1.2	1.8	--	No	No
UPR-200-E-89	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	69	70	--	No	No
UPR-200-E-89	Isophorone	78-59-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Mercury	7439-97-6	ug/kg	7/16/2015	10/22/2015	4	0	0	3.8	4.0	100	No	No
UPR-200-E-89	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methylene chloride	75-09-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	--	No	No
UPR-200-E-89	Naphthalene	91-20-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	29,000	No	No
UPR-200-E-89	Neptunium-237	13994-20-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.69	--	No	No
UPR-200-E-89	Nickel-63	13981-37-8	pCi/g	7/16/2015	10/22/2015	9	0	0	12	18	--	No	No
UPR-200-E-89	Nitrite	14797-65-0	ug/kg	4/29/2008	10/22/2015	10	0	0	1,010	1,140	--	No	No
UPR-200-E-89	Nitrobenzene	98-95-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
UPR-200-E-89	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomorpholine	59-89-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorophenol	87-86-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Phenanthrene	85-01-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	29,000	No	No
UPR-200-E-89	Phenol	108-95-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	30,000	No	No
UPR-200-E-89	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Plutonium-238	13981-16-3	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.62	--	No	No
UPR-200-E-89	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	10/22/2015	9	0	0	0.39	0.75	--	No	No
UPR-200-E-89	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3,440	3,490	--	No	No
UPR-200-E-89	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pyrene	129-00-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	18,000	No	No
UPR-200-E-89	Pyridine	110-86-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Styrene	100-42-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Technetium-99	14133-76-7	pCi/g	7/16/2015	10/22/2015	6	0	0	9.5	12	--	No	No
UPR-200-E-89	Tetrachloroethene	127-18-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total cresols	1319-77-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	0	200,000	200,000	--	No	No
UPR-200-E-89	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	7/16/2015	10/22/2015	8	0	0	1,150	1,170	--	No	No
UPR-200-E-89	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Trichloroethene	79-01-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tritium	10028-17-8	pCi/g	7/16/2015	10/22/2015	9	0	0	14	28	--	No	No
UPR-200-E-89	Uranium-235	15117-96-1	pCi/g	7/16/2015	10/22/2015	9	0	0	0.19	0.88	--	No	No
UPR-200-E-89	Vinyl chloride	75-01-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Xylenes (total)	1330-20-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-W-99	1,1,1-Trichloroethane	71-55-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,1,2-Trichloroethane	79-00-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,1-Dichloroethane	75-34-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,1-Dichloroethene	75-35-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	--	No	No
UPR-200-W-99	1,2-Dichlorobenzene	95-50-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	1,2-Dichloroethane	107-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2-Dichloropropane	78-87-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,3-Dichlorobenzene	541-73-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	1,4-Dichlorobenzene	106-46-7	ug/kg	8/22/2000	5/12/2009	3	0	0	260	380	--	No	No
UPR-200-W-99	1-Butanol	71-36-3	ug/kg	10/28/2002	10/28/2002	1	0	0	26,000	26,000	--	No	No
UPR-200-W-99	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
UPR-200-W-99	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dichlorophenol	120-83-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dimethylphenol	105-67-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dinitrophenol	51-28-5	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4-Dinitrotoluene	121-14-2	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	--	No	No
UPR-200-W-99	2,6-Dinitrotoluene	606-20-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Chloronaphthalene	91-58-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Hexanone	591-78-6	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	2-Methylnaphthalene	91-57-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	29,000	No	No
UPR-200-W-99	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Nitroaniline	88-74-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2-Nitrophenol	88-75-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/22/2000	8/22/2000	1	0	0	340	340	--	No	No
UPR-200-W-99	3-Nitroaniline	99-09-2	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chloroaniline	106-47-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Methyl-2-pentanone	108-10-1	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	4-Nitroaniline	100-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Nitrophenol	100-02-7	ug/kg	8/22/2000	5/12/2009	3	0	0	340	960	--	No	No
UPR-200-W-99	Acenaphthene	83-32-9	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	20,000	No	No
UPR-200-W-99	Acenaphthylene	208-96-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	29,000	No	No
UPR-200-W-99	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	1	0	0	3,650	3,650	9,230	No	No
UPR-200-W-99	Anthracene	120-12-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	29,000	No	No
UPR-200-W-99	Antimony	7440-36-0	ug/kg	10/28/2002	10/28/2002	1	0	0	190	190	78,000	No	No
UPR-200-W-99	Antimony-125	14234-35-6	pCi/g	10/28/2002	5/12/2009	2	0	0	0.030	0.22	--	No	No
UPR-200-W-99	Aroclor-1016	12674-11-2	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	40,000	No	No
UPR-200-W-99	Aroclor-1221	11104-28-2	ug/kg	10/28/2002	5/12/2009	2	0	0	20	77	40,000	No	No
UPR-200-W-99	Aroclor-1232	11141-16-5	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	40,000	No	No
UPR-200-W-99	Aroclor-1242	53469-21-9	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	40,000	No	No
UPR-200-W-99	Aroclor-1248	12672-29-6	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	40,000	No	No
UPR-200-W-99	Aroclor-1254	11097-69-1	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	40,000	No	No
UPR-200-W-99	Aroclor-1262	37324-23-5	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Aroclor-1268	11100-14-4	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Benzene	71-43-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Benzo(a)anthracene	56-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Benzo(a)pyrene	50-32-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Benzo(b)fluoranthene	205-99-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Benzo(ghi)perylene	191-24-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Benzo(k)fluoranthene	207-08-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bismuth	7440-69-9	ug/kg	10/28/2002	5/12/2009	2	0	0	670	2,300	--	No	No
UPR-200-W-99	Bromodichloromethane	75-27-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromoform	75-25-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromomethane	74-83-9	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbazole	86-74-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbon disulfide	75-15-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Carbon tetrachloride	56-23-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Cesium-134	13967-70-9	pCi/g	10/28/2002	5/12/2009	2	0	0	0.014	0.12	--	No	No

Table A-4. Comparison of Minimum and Maximum MDLs and MDAs to the Invertebrate Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Invertebrate PRG	Is Minimum MDL or MDA > Invertebrate PRG?	Is Maximum MDL or MDA > Invertebrate PRG?
UPR-200-W-99	Chlorobenzene	108-90-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	40,000	No	No
UPR-200-W-99	Chloroethane	75-00-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chloroform	67-66-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Chloromethane	74-87-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chrysene	218-01-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Cobalt-60	10198-40-0	pCi/g	8/22/2000	5/12/2009	4	0	0	0.010	0.10	--	No	No
UPR-200-W-99	Cyanide	57-12-5	ug/kg	8/22/2000	5/12/2009	3	0	0	200	550	--	No	No
UPR-200-W-99	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Dibenzofuran	132-64-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dibromochloromethane	124-48-1	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Diethylphthalate	84-66-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dimethyl phthalate	131-11-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Di-n-octylphthalate	117-84-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Ethylbenzene	100-41-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Europium-152	14683-23-9	pCi/g	8/22/2000	5/12/2009	4	0	0	0.033	0.23	--	No	No
UPR-200-W-99	Europium-154	15585-10-1	pCi/g	8/22/2000	5/12/2009	4	0	0	0.031	0.35	--	No	No
UPR-200-W-99	Europium-155	14391-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.046	0.19	--	No	No
UPR-200-W-99	Fluoranthene	206-44-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Fluorene	86-73-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	29,000	No	No
UPR-200-W-99	Hexachlorobenzene	118-74-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorobutadiene	87-68-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachloroethane	67-72-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,000	No	No
UPR-200-W-99	Iodine-129	15046-84-1	pCi/g	8/22/2000	5/12/2009	3	0	0	1.3	1.7	--	No	No
UPR-200-W-99	Isophorone	78-59-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Mercury	7439-97-6	ug/kg	8/22/2000	5/12/2009	3	0	0	20	50	100	No	No
UPR-200-W-99	Naphthalene	91-20-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	29,000	No	No
UPR-200-W-99	Neptunium-237	13994-20-2	pCi/g	10/28/2002	5/12/2009	2	0	0	0.093	0.12	--	No	No
UPR-200-W-99	Nickel-63	13981-37-8	pCi/g	10/28/2002	5/12/2009	2	0	0	2.2	3.3	--	No	No
UPR-200-W-99	Nitrite	14797-65-0	ug/kg	10/28/2002	10/28/2002	1	0	0	1,440	1,440	--	No	No
UPR-200-W-99	Nitrobenzene	98-95-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Pentachlorophenol	87-86-5	ug/kg	8/22/2000	5/12/2009	3	0	0	410	960	--	No	No
UPR-200-W-99	Phenanthrene	85-01-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	29,000	No	No
UPR-200-W-99	Plutonium-238	13981-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.023	0.19	--	No	No
UPR-200-W-99	Pyridine	110-86-1	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Silver	7440-22-4	ug/kg	8/22/2000	5/12/2009	3	0	0	99	160	2,990	No	No
UPR-200-W-99	Styrene	100-42-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Sulfide	18496-25-8	ug/kg	8/22/2000	8/22/2000	1	0	0	20,600	20,600	--	No	No
UPR-200-W-99	Technetium-99	14133-76-7	pCi/g	8/22/2000	5/12/2009	4	0	0	0.38	0.61	--	No	No
UPR-200-W-99	Tetrachloroethene	127-18-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tin-126	15832-50-5	pCi/g	10/28/2002	10/28/2002	1	0	0	0.10	0.10	--	No	No
UPR-200-W-99	Toluene	108-88-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	200,000	No	No
UPR-200-W-99	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/28/2002	10/28/2002	1	0	0	33	33	--	No	No
UPR-200-W-99	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	5/12/2009	2	0	0	150	380	--	No	No
UPR-200-W-99	Trichloroethene	79-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tritium	10028-17-8	pCi/g	8/22/2000	5/12/2009	4	0	0	0.091	3.6	--	No	No
UPR-200-W-99	Vinyl chloride	75-01-4	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Xylenes (total)	1330-20-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No

Table A-5. Comparison of Minimum and Maximum MDLs and MDAs to the California Quail Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	California Quail PRG	Is Minimum MDL or MDA > California Quail PRG?	Is Maximum MDL or MDA > California Quail PRG?
200-E-115	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	1,1,1-Trichloroethane	71-55-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	3.61E+06	No	No
200-E-115	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.25	3.61E+06	No	No
200-E-115	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	--	No	No
200-E-115	1,1,2-Trichloroethane	79-00-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.19	3.61E+06	No	No
200-E-115	1,1-Dichloroethene	75-35-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.35	0.49	3.61E+06	No	No
200-E-115	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/17/2010	8/29/2010	8	0	0	75	77	--	No	No
200-E-115	1,2-Dichlorobenzene	95-50-1	ug/kg	8/17/2010	8/29/2010	8	0	0	97	101	87,763	No	No
200-E-115	1,2-Dichloroethane	107-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.044	0.063	3.61E+06	No	No
200-E-115	1-Butanol	71-36-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.5	12	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.00E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	5.10E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No

200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,3,5-Trichlorobiphenyl	55720-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.80E-04	--	No	No
200-E-115	2',3,5-Trichlorobiphenyl	37680-68-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	2,3,6-Trichlorobiphenyl	55702-45-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	8.30E-04	--	No	No
200-E-115	2,3',6-Trichlorobiphenyl	38444-76-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	7.10E-04	--	No	No
200-E-115	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.10E-04	0.0019	--	No	No
200-E-115	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.60E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/17/2010	8/29/2010	8	0	0	42	44	--	No	No
200-E-115	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	48	50	--	No	No
200-E-115	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.30E-04	0.0020	--	No	No
200-E-115	2,4-Dinitrotoluene	121-14-2	ug/kg	8/17/2010	8/29/2010	8	0	0	37	38	293	No	No
200-E-115	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	8.40E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	9.00E-04	0.0021	--	No	No
200-E-115	2-Butanone	78-93-3	ug/kg	8/17/2010	8/29/2010	8	0	0	1.6	2.3	2.10E+06	No	No
200-E-115	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	8/29/2010	8	0	0	64	67	--	No	No
200-E-115	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/17/2010	8/29/2010	8	0	0	92	94	--	No	No
200-E-115	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/17/2010	8/29/2010	8	0	0	55	58	--	No	No
200-E-115	2-Nitrophenol	88-75-5	ug/kg	8/17/2010	8/29/2010	8	0	0	52	54	--	No	No
200-E-115	2-Nitropropane	79-46-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',4-Trichlorobiphenyl	37680-69-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,4,5-Trichlorobiphenyl	53555-66-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	6.00E-04	--	No	No
200-E-115	3,4',5-Trichlorobiphenyl	38444-88-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04	--	No	No
200-E-115	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	7.10E-04	0.0017	--	No	No
200-E-115	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/17/2010	8/29/2010	8	0	0	50	51	--	No	No
200-E-115	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04	--	No	No
200-E-115	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.085	0.26	--	No	No
200-E-115	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.41	1.2	--	No	No
200-E-115	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.65	2.0	--	No	No
200-E-115	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	8.80E-04	0.0023	--	No	No
200-E-115	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	42	43	--	No	No
200-E-115	4-Methyl-2-pentanone	108-10-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.4	2.0	--	No	No

200-E-115	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.90E-04	--	No	No
200-E-115	Acenaphthene	83-32-9	ug/kg	8/17/2010	8/29/2010	8	0	0	17	18	6.83E+06	No	No
200-E-115	Acetone	67-64-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.8	2.6	--	No	No
200-E-115	Aldrin	309-00-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.32	0.98	6.4	No	No
200-E-115	Alpha-BHC	319-84-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.42	--	No	No
200-E-115	Americium-241	14596-10-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.42	0.61	28,800	No	No
200-E-115	Antimony-125	14234-35-6	pCi/g	8/17/2010	8/29/2010	8	0	0	0.71	1.2	4,580	No	No
200-E-115	Aroclor-1016	12674-11-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	6,448	No	No
200-E-115	Aroclor-1221	11104-28-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	2,730	No	No
200-E-115	Aroclor-1232	11141-16-5	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	2,194	No	No
200-E-115	Aroclor-1242	53469-21-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	10,360	No	No
200-E-115	Aroclor-1248	12672-29-6	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	9,405	No	No
200-E-115	Aroclor-1254	11097-69-1	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	11,521	No	No
200-E-115	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	20,380	No	No
200-E-115	Benzene	71-43-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.12	0.17	8.55E+06	No	No
200-E-115	Benzo(a)anthracene	56-55-3	ug/kg	8/17/2010	8/29/2010	8	0	0	36	38	117,983	No	No
200-E-115	Benzo(a)pyrene	50-32-8	ug/kg	8/17/2010	8/29/2010	8	0	0	40	41	47,194	No	No
200-E-115	Benzo(b)fluoranthene	205-99-2	ug/kg	8/17/2010	8/29/2010	8	0	0	47	49	--	No	No
200-E-115	Benzo(k)fluoranthene	207-08-9	ug/kg	8/17/2010	8/29/2010	8	0	0	38	39	136,248	No	No
200-E-115	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.31	0.96	41	No	No
200-E-115	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/17/2010	8/29/2010	8	0	0	568	590	170	Yes	Yes
200-E-115	Bismuth	7440-69-9	ug/kg	8/18/2010	8/18/2010	1	0	0	8,310	8,310	--	No	No
200-E-115	Bromide	24959-67-9	ug/kg	8/17/2010	8/29/2010	8	0	0	567	580	--	No	No
200-E-115	Carbon disulfide	75-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.13	0.19	--	No	No
200-E-115	Carbon tetrachloride	56-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	3.61E+06	No	No
200-E-115	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	8/29/2010	8	0	0	176	182	--	No	No
200-E-115	Cesium-137	10045-97-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.34	0.58	2,390	No	No
200-E-115	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12	230	No	No
200-E-115	Chlorobenzene	108-90-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.071	0.10	3.61E+06	No	No
200-E-115	Chloroform	67-66-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.11	0.15	3.61E+06	No	No
200-E-115	Chrysene	218-01-9	ug/kg	8/17/2010	8/29/2010	8	0	0	78	81	117,983	No	No
200-E-115	cis-1,2-Dichloroethylene	156-59-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.15	0.21	3.61E+06	No	No
200-E-115	Cobalt-60	10198-40-0	pCi/g	8/17/2010	8/29/2010	8	0	0	0.28	0.44	805	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	Curium-242	15510-73-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-E-115	Curium-243/244	CM-243/244	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	389,000	No	No
200-E-115	Cyanide	57-12-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2,600	2,680	--	No	No
200-E-115	Cyclohexanone	108-94-1	ug/kg	8/17/2010	8/29/2010	8	0	0	537	558	--	No	No
200-E-115	Delta-BHC	319-86-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.77	--	No	No
200-E-115	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	43,630	No	No
200-E-115	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	8/29/2010	8	0	0	870	920	--	No	No
200-E-115	Dieldrin	60-57-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.69	0.51	No	Yes
200-E-115	Diethyl ether	60-29-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.21	0.30	--	No	No
200-E-115	Di-n-octylphthalate	117-84-0	ug/kg	8/17/2010	8/29/2010	8	0	0	46	48	--	No	No
200-E-115	Endrin	72-20-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.43	--	No	No
200-E-115	Ethyl acetate	141-78-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	Ethylbenzene	100-41-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.088	0.13	159,000	No	No
200-E-115	Ethylene glycol	107-21-1	ug/kg	8/17/2010	8/29/2010	8	0	0	13,000	14,000	--	No	No
200-E-115	Europium-152	14683-23-9	pCi/g	8/17/2010	8/29/2010	8	0	0	1.4	2.0	1,740	No	No
200-E-115	Europium-154	15585-10-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.89	1.5	1,610	No	No
200-E-115	Europium-155	14391-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.46	1.0	33,400	No	No
200-E-115	Fluoranthene	206-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	34	35	14,854	No	No
200-E-115	Gamma-BHC (Lindane)	58-89-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.18	0.54	--	No	No
200-E-115	Heptachlor epoxide	1024-57-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.45	1.4	--	No	No
200-E-115	Heptachlor	76-44-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.099	0.30	--	No	No
200-E-115	Hexachlorobutadiene	87-68-3	ug/kg	8/17/2010	8/29/2010	8	0	0	67	70	--	No	No

200-E-115	Hexachloroethane	67-72-1	ug/kg	8/17/2010	8/29/2010	8	0	0	108	112	--	No	No
200-E-115	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	48,733	No	No
200-E-115	Iodine-129	15046-84-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.14	0.22	--	No	No
200-E-115	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	443	460	--	No	No
200-E-115	Mercury	7439-97-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.2	9.8	45,980	No	No
200-E-115	Methylene chloride	75-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.053	0.075	3.61E+06	No	No
200-E-115	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	630	680	--	No	No
200-E-115	Naphthalene	91-20-3	ug/kg	8/17/2010	8/29/2010	8	0	0	60	63	33,983	No	No
200-E-115	Nickel-63	13981-37-8	pCi/g	8/17/2010	8/29/2010	8	0	0	4.3	5.9	--	No	No
200-E-115	Nitrobenzene	98-95-3	ug/kg	8/17/2010	8/29/2010	8	0	0	62	65	--	No	No
200-E-115	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	8/29/2010	8	0	0	56	58	--	No	No
200-E-115	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	8/29/2010	8	0	0	184	191	--	No	No
200-E-115	o-Xylene	95-47-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	--	No	No
200-E-115	Plutonium-238	13981-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	36,300	No	No
200-E-115	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	38,800	No	No
200-E-115	Pyrene	129-00-0	ug/kg	8/17/2010	8/29/2010	8	0	0	61	63	10,670	No	No
200-E-115	Pyridine	110-86-1	ug/kg	8/17/2010	8/29/2010	8	0	0	63	65	--	No	No
200-E-115	Strontium-90	10098-97-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.18	0.57	521	No	No
200-E-115	Tetrachloroethene	127-18-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.090	0.13	3.61E+06	No	No
200-E-115	Total cresols	1319-77-3	ug/kg	8/17/2010	8/29/2010	8	0	0	103	107	--	No	No
200-E-115	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	8/17/2010	8/29/2010	8	0	0	10	11	--	No	No
200-E-115	trans-1,2-Dichloroethylene	156-60-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.35	3.61E+06	No	No
200-E-115	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.32	--	No	No
200-E-115	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	8/29/2010	8	0	0	104	108	--	No	No
200-E-115	Trichloroethene	79-01-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.100	0.14	3.61E+06	No	No
200-E-115	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	--	No	No
200-E-115	Vinyl chloride	75-01-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	Xylenes (total)	1330-20-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.24	149,000	No	No
200-W-54	1,1,1-Trichloroethane	71-55-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.61E+06	No	No
200-W-54	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.61E+06	No	No
200-W-54	1,1,2-Trichloroethane	79-00-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.61E+06	No	No
200-W-54	1,1-Dichloroethane	75-34-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.61E+06	No	No
200-W-54	1,1-Dichloroethene	75-35-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.61E+06	No	No
200-W-54	1,2,4-Trichlorobenzene	120-82-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,2-Dichlorobenzene	95-50-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	87,763	No	No
200-W-54	1,2-Dichloroethane	107-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.61E+06	No	No
200-W-54	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,2-Dichloropropane	78-87-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,3-Dichlorobenzene	541-73-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	96,128	No	No
200-W-54	1,4-Dichlorobenzene	106-46-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4,5-Trichlorophenol	95-95-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4,6-Trichlorophenol	88-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dichlorophenol	120-83-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dimethylphenol	105-67-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dinitrophenol	51-28-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4-Dinitrotoluene	121-14-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	293	Yes	Yes
200-W-54	2,6-Dinitrotoluene	606-20-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Butanone	78-93-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	2.10E+06	No	No
200-W-54	2-Chloronaphthalene	91-58-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Hexanone	591-78-6	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	2.10E+06	No	No
200-W-54	2-Methylnaphthalene	91-57-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	5,043	No	No
200-W-54	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Nitroaniline	88-74-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2-Nitrophenol	88-75-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3,3'-Dichlorobenzidine	91-94-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3-Nitroaniline	99-09-2	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Bromophenylphenyl ether	101-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloroaniline	106-47-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No

200-W-54	4-Methyl-2-pentanone	108-10-1	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	4-Nitroaniline	100-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Nitrophenol	100-02-7	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Acenaphthene	83-32-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	6.83E+06	No	No
200-W-54	Acenaphthylene	208-96-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3.51E+06	No	No
200-W-54	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.13	0.13	28,800	No	No
200-W-54	Anthracene	120-12-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3.41E+06	No	No
200-W-54	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	6,448	No	No
200-W-54	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/19/2001	1	0	0	69	69	2,730	No	No
200-W-54	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	2,194	No	No
200-W-54	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	10,360	No	No
200-W-54	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	9,405	No	No
200-W-54	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	11,521	No	No
200-W-54	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	20,380	No	No
200-W-54	Benzene	71-43-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	8.55E+06	No	No
200-W-54	Benzo(a)anthracene	56-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	117,983	No	No
200-W-54	Benzo(a)pyrene	50-32-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	47,194	No	No
200-W-54	Benzo(b)fluoranthene	205-99-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Benzo(ghi)perylene	191-24-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	12,191	No	No
200-W-54	Benzo(k)fluoranthene	207-08-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	136,248	No	No
200-W-54	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-chloroethyl) ether	111-44-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	170	Yes	Yes
200-W-54	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Bromodichloromethane	75-27-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromoform	75-25-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromomethane	74-83-9	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbazole	86-74-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbon disulfide	75-15-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Carbon tetrachloride	56-23-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.61E+06	No	No
200-W-54	Carbon-14	14762-75-5	pCi/g	10/19/2001	10/19/2001	1	0	0	3.9	3.9	54	No	No
200-W-54	Chlorobenzene	108-90-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.61E+06	No	No
200-W-54	Chloroethane	75-00-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.61E+06	No	No
200-W-54	Chloromethane	74-87-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chrysene	218-01-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	117,983	No	No
200-W-54	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Cobalt-60	10198-40-0	pCi/g	10/19/2001	10/19/2001	1	0	0	0.044	0.044	805	No	No
200-W-54	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	1	0	0	450	450	--	No	No
200-W-54	Dibenz(a,h)anthracene	53-70-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	43,630	No	No
200-W-54	Dibenzofuran	132-64-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dibromochloromethane	124-48-1	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dimethyl phthalate	131-11-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-octylphthalate	117-84-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Ethylbenzene	100-41-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	159,000	No	No
200-W-54	Europium-152	14683-23-9	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	1,740	No	No
200-W-54	Europium-154	15585-10-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.14	0.14	1,610	No	No
200-W-54	Europium-155	14391-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.11	0.11	33,400	No	No
200-W-54	Fluoranthene	206-44-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	14,854	No	No
200-W-54	Fluorene	86-73-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	6.83E+06	No	No
200-W-54	Hexachlorobenzene	118-74-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorobutadiene	87-68-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorocyclopentadiene	77-47-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachloroethane	67-72-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	48,733	No	No
200-W-54	Isophorone	78-59-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Naphthalene	91-20-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	33,983	No	No
200-W-54	Neptunium-237	13994-20-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.060	0.060	8,190	No	No
200-W-54	Nickel-63	13981-37-8	pCi/g	10/19/2001	10/19/2001	1	0	0	2.1	2.1	--	No	No

200-W-54	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	1	0	0	1,290	1,290	--	No	No
200-W-54	Nitrobenzene	98-95-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodiphenylamine	86-30-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Pentachlorophenol	87-86-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Phenanthrene	85-01-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4.33E+06	No	No
200-W-54	Phenol	108-95-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Plutonium-238	13981-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	36,300	No	No
200-W-54	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	38,800	No	No
200-W-54	Pyrene	129-00-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	10,670	No	No
200-W-54	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Strontium-90	10098-97-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.33	0.33	521	No	No
200-W-54	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	1	0	0	36,000	36,000	--	No	No
200-W-54	Technetium-99	14133-76-7	pCi/g	10/19/2001	10/19/2001	1	0	0	0.41	0.41	5,360	No	No
200-W-54	Tetrachloroethene	127-18-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.61E+06	No	No
200-W-54	Toluene	108-88-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	8.55E+06	No	No
200-W-54	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	1.05E+08	No	No
200-W-54	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	10/19/2001	1	0	0	2,000	2,000	--	No	No
200-W-54	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	1.05E+08	No	No
200-W-54	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Trichloroethene	79-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.61E+06	No	No
200-W-54	Tritium	10028-17-8	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	1,430	No	No
200-W-54	Uranium-235	15117-96-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.18	0.18	6,340	No	No
200-W-54	Vinyl chloride	75-01-4	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Xylenes (total)	1330-20-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	149,000	No	No
207-A-South	1,1,1-Trichloroethane	71-55-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.61E+06	No	No
207-A-South	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.61E+06	No	No
207-A-South	1,1,2-Trichloroethane	79-00-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.61E+06	No	No
207-A-South	1,1-Dichloroethane	75-34-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.61E+06	No	No
207-A-South	1,1-Dichloroethene	75-35-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.61E+06	No	No
207-A-South	1,2,4-Trichlorobenzene	120-82-1	ug/kg	9/10/2003	9/10/2003	3	0	0	300	300	--	No	No
207-A-South	1,2-Dichlorobenzene	95-50-1	ug/kg	9/10/2003	9/10/2003	3	0	0	370	370	87,763	No	No
207-A-South	1,2-Dichloroethane	107-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.61E+06	No	No
207-A-South	1,2-Dichloroethene (Total)	540-59-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2-Dichloropropane	78-87-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,3-Dichlorobenzene	541-73-1	ug/kg	9/10/2003	9/10/2003	3	0	0	330	330	96,128	No	No
207-A-South	1,4-Dichlorobenzene	106-46-7	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	1-Butanol	71-36-3	ug/kg	9/10/2003	9/10/2003	3	0	0	41	41	--	No	No
207-A-South	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	2,4,5-Trichlorophenol	95-95-4	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	2,4,6-Trichlorophenol	88-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	2,4-Dichlorophenol	120-83-2	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	2,4-Dimethylphenol	105-67-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-Dinitrophenol	51-28-5	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	2,4-Dinitrotoluene	121-14-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	293	No	No
207-A-South	2,6-Dinitrotoluene	606-20-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2.10E+06	No	No
207-A-South	2-Butoxyethanol	111-76-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	2-Chloronaphthalene	91-58-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	3	0	0	150	150	--	No	No
207-A-South	2-Hexanone	591-78-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2.10E+06	No	No
207-A-South	2-Methylnaphthalene	91-57-6	ug/kg	9/10/2003	9/10/2003	3	0	0	180	190	5,043	No	No
207-A-South	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	9/10/2003	11/12/2015	27	0	0	34	113	--	No	No
207-A-South	2-Nitroaniline	88-74-4	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Nitrophenol	88-75-5	ug/kg	9/10/2003	9/10/2003	3	0	0	180	180	--	No	No
207-A-South	2-Pentanone	107-87-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	3,3'-Dichlorobenzidine	91-94-1	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	9/10/2003	11/12/2015	27	0	0	69	120	--	No	No
207-A-South	3-Nitroaniline	99-09-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No

207-A-South	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	4-Bromophenylphenyl ether	101-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloroaniline	106-47-8	ug/kg	9/10/2003	9/10/2003	3	0	0	95	96	--	No	No
207-A-South	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Methyl-2-pentanone	108-10-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	4-Nitroaniline	100-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	4-Nitrophenol	100-02-7	ug/kg	9/10/2003	9/10/2003	3	0	0	660	670	--	No	No
207-A-South	Acenaphthene	83-32-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	6.83E+06	No	No
207-A-South	Acenaphthylene	208-96-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	3.51E+06	No	No
207-A-South	Acetone	67-64-1	ug/kg	9/10/2003	11/12/2015	27	0	0	2.0	4.0	--	No	No
207-A-South	Aldrin	309-00-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	6.4	No	No
207-A-South	Alpha-BHC	319-84-6	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Alpha-Chlordane	5103-71-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	3	0	0	258	258	--	No	No
207-A-South	Anthracene	120-12-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3.41E+06	No	No
207-A-South	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	4,930	--	No	No
207-A-South	Aroclor-1016	12674-11-2	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	6,448	No	No
207-A-South	Aroclor-1221	11104-28-2	ug/kg	9/10/2003	9/10/2003	3	0	0	99	100	2,730	No	No
207-A-South	Aroclor-1232	11141-16-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	2,194	No	No
207-A-South	Aroclor-1242	53469-21-9	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	10,360	No	No
207-A-South	Aroclor-1248	12672-29-6	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	9,405	No	No
207-A-South	Aroclor-1254	11097-69-1	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	11,521	No	No
207-A-South	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	20,380	No	No
207-A-South	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	1.10E+06	No	No
207-A-South	Benzene	71-43-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	8.55E+06	No	No
207-A-South	Benzo(a)anthracene	56-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	117,983	No	No
207-A-South	Benzo(a)pyrene	50-32-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	47,194	No	No
207-A-South	Benzo(b)fluoranthene	205-99-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Benzo(ghi)perylene	191-24-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	12,191	No	No
207-A-South	Benzo(k)fluoranthene	207-08-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	136,248	No	No
207-A-South	Benzyl alcohol	100-51-6	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	--	No	No
207-A-South	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	41	No	No
207-A-South	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	9/10/2003	9/10/2003	3	0	0	260	260	--	No	No
207-A-South	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	9/10/2003	9/10/2003	3	0	0	120	120	--	No	No
207-A-South	Bis(2-chloroethyl) ether	111-44-4	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	3	0	0	570	580	170	Yes	Yes
207-A-South	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	3	0	0	4,970	5,000	--	No	No
207-A-South	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	3	0	0	5,070	5,100	16,000	No	No
207-A-South	Bromodichloromethane	75-27-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromoform	75-25-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromomethane	74-83-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	151,066	No	No
207-A-South	Carbazole	86-74-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	Carbon disulfide	75-15-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Carbon tetrachloride	56-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.61E+06	No	No
207-A-South	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	3.8	54	No	No
207-A-South	Chlorobenzene	108-90-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.61E+06	No	No
207-A-South	Chloroethane	75-00-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.61E+06	No	No
207-A-South	Chloromethane	74-87-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	184,000	No	No
207-A-South	Chrysene	218-01-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	117,983	No	No
207-A-South	cis-1,3-Dichloropropene	10061-01-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	3	0	0	200	200	--	No	No
207-A-South	Dalapon	75-99-0	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Delta-BHC	319-86-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No

207-A-South	Dibenz(a,h)anthracene	53-70-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	43,630	No	No
207-A-South	Dibenzofuran	132-64-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dibromochloromethane	124-48-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Dicamba	1918-00-9	ug/kg	9/3/2003	9/4/2003	5	0	0	70	75	--	No	No
207-A-South	Dichloroprop	120-36-5	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Dieldrin	60-57-1	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	0.51	Yes	Yes
207-A-South	Diethyl ether	60-29-7	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Dimethyl phthalate	131-11-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	3	0	0	89	89	--	No	No
207-A-South	Di-n-octylphthalate	117-84-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Endosulfan I	959-98-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	3,500	No	No
207-A-South	Endosulfan II	33213-65-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	93,438	No	No
207-A-South	Endosulfan sulfate	1031-07-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	32,000	No	No
207-A-South	Endrin aldehyde	7421-93-4	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	56	No	No
207-A-South	Endrin ketone	53494-70-5	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin	72-20-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Ethylbenzene	100-41-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	159,000	No	No
207-A-South	Ethylene glycol	107-21-1	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Fluoranthene	206-44-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	14,854	No	No
207-A-South	Fluorene	86-73-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	6.83E+06	No	No
207-A-South	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	3	0	0	350	350	1.49E+06	No	No
207-A-South	Gamma-BHC (Lindane)	58-89-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor epoxide	1024-57-3	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor	76-44-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Hexachlorobenzene	118-74-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Hexachlorobutadiene	87-68-3	ug/kg	9/10/2003	9/10/2003	3	0	0	370	380	--	No	No
207-A-South	Hexachlorocyclopentadiene	77-47-4	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	Hexachloroethane	67-72-1	ug/kg	9/10/2003	9/10/2003	3	0	0	480	480	--	No	No
207-A-South	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/10/2003	12	0	0	410	450	--	No	No
207-A-South	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	48,733	No	No
207-A-South	Iodine-129	15046-84-1	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	12	--	No	No
207-A-South	Isophorone	78-59-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	3	0	0	11,700	11,800	247,015	No	No
207-A-South	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	45,980	No	No
207-A-South	Methanol	67-56-1	ug/kg	9/10/2003	9/10/2003	3	0	0	1,000	1,000	--	No	No
207-A-South	Methoxychlor	72-43-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Methylene chloride	75-09-2	ug/kg	9/10/2003	11/12/2015	27	0	0	1.3	6.7	3.61E+06	No	No
207-A-South	Naphthalene	91-20-3	ug/kg	9/10/2003	9/10/2003	3	0	0	290	290	33,983	No	No
207-A-South	n-Butylbenzene	104-51-8	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	301,000	No	No
207-A-South	Neptunium-237	13994-20-2	pCi/g	9/3/2003	9/10/2003	12	0	0	0.017	0.29	8,190	No	No
207-A-South	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	6,500	1.08E+06	No	No
207-A-South	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/10/2003	12	0	0	2.3	2.8	--	No	No
207-A-South	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	3	0	0	1,480	1,480	--	No	No
207-A-South	Nitrobenzene	98-95-3	ug/kg	9/10/2003	9/10/2003	3	0	0	270	270	--	No	No
207-A-South	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	n-Nitrosodiphenylamine	86-30-6	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Oil and grease	OIL/GREASE	ug/kg	9/3/2003	9/10/2003	12	0	0	680,000	748,000	--	No	No
207-A-South	Pentachlorophenol	87-86-5	ug/kg	9/10/2003	9/10/2003	3	0	0	310	310	--	No	No
207-A-South	Phenanthrene	85-01-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	4.33E+06	No	No
207-A-South	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	3	0	0	1,990	1,990	--	No	No
207-A-South	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	10,670	No	No
207-A-South	Ruthenium-103	13968-53-1	pCi/g	9/10/2003	9/10/2003	3	0	0	0.0090	0.015	--	No	No
207-A-South	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	5,300	No	No
207-A-South	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/10/2003	12	0	0	0.44	0.61	5,360	No	No
207-A-South	Tetrachloroethene	127-18-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.61E+06	No	No
207-A-South	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	3	0	0	0.090	0.20	--	No	No
207-A-South	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	8.55E+06	No	No
207-A-South	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	1.05E+08	No	No
207-A-South	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	1.05E+08	No	No

207-A-South	Toxaphene	8001-35-2	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	trans-1,3-Dichloropropene	10061-02-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	trans-Chlordane	5103-74-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Trichloroethene	79-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.61E+06	No	No
207-A-South	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	2.00E+06	No	No
207-A-South	Vinyl chloride	75-01-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Xylenes (total)	1330-20-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	149,000	No	No
207-T	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.61E+06	No	No
207-T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.61E+06	No	No
207-T	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.61E+06	No	No
207-T	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.61E+06	No	No
207-T	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.61E+06	No	No
207-T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	87,763	No	No
207-T	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.61E+06	No	No
207-T	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	96,128	No	No
207-T	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	293	Yes	Yes
207-T	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Butanone	78-93-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	2.10E+06	No	No
207-T	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Hexanone	591-78-6	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	2.10E+06	No	No
207-T	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	5,043	No	No
207-T	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Acenaphthene	83-32-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	6.83E+06	No	No
207-T	Acenaphthylene	208-96-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3.51E+06	No	No
207-T	Americium-241	14596-10-2	pCi/g	8/7/2000	11/30/2000	6	0	0	0.050	0.21	28,800	No	No
207-T	Anthracene	120-12-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3.41E+06	No	No
207-T	Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0	0.028	0.034	--	No	No
207-T	Benzene	71-43-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	8.55E+06	No	No
207-T	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	117,983	No	No
207-T	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	47,194	No	No
207-T	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	12,191	No	No
207-T	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	136,248	No	No
207-T	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromoform	75-25-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromomethane	74-83-9	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No

207-T	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Cadmium	7440-43-9	ug/kg	8/7/2000	11/30/2000	3	0	0	30	30	151,066	No	No
207-T	Carbazole	86-74-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Carbon disulfide	75-15-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.61E+06	No	No
207-T	Chlorobenzene	108-90-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.61E+06	No	No
207-T	Chloroethane	75-00-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chloroform	67-66-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.61E+06	No	No
207-T	Chloromethane	74-87-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chrysene	218-01-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	117,983	No	No
207-T	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Cyanide	57-12-5	ug/kg	8/7/2000	11/30/2000	3	0	0	490	540	--	No	No
207-T	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	43,630	No	No
207-T	Dibenzofuran	132-64-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Diethylphthalate	84-66-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Ethylbenzene	100-41-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	159,000	No	No
207-T	Fluoranthene	206-44-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	14,854	No	No
207-T	Fluorene	86-73-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	6.83E+06	No	No
207-T	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachloroethane	67-72-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	48,733	No	No
207-T	Iodine-129	15046-84-1	pCi/g	8/7/2000	11/30/2000	6	0	0	1.2	3.8	--	No	No
207-T	Isophorone	78-59-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Mercury	7439-97-6	ug/kg	8/7/2000	11/30/2000	3	0	0	20	20	45,980	No	No
207-T	Naphthalene	91-20-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	33,983	No	No
207-T	Nitrobenzene	98-95-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Phenanthrene	85-01-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4.33E+06	No	No
207-T	Pyrene	129-00-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	10,670	No	No
207-T	Selenium	7782-49-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	440	5,300	No	No
207-T	Silver	7440-22-4	ug/kg	8/7/2000	11/30/2000	3	0	0	100	110	345,299	No	No
207-T	Styrene	100-42-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Sulfide	18496-25-8	ug/kg	8/7/2000	11/30/2000	3	0	0	37,700	40,300	--	No	No
207-T	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.61E+06	No	No
207-T	Toluene	108-88-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	8.55E+06	No	No
207-T	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Trichloroethene	79-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.61E+06	No	No
207-T	Vinyl chloride	75-01-4	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	149,000	No	No
216-A-34	1,1-Dichloroethene	75-35-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	3.61E+06	No	No
216-A-34	1,2,4-Trichlorobenzene	120-82-1	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	--	No	No
216-A-34	1,2-Dichlorobenzene	95-50-1	ug/kg	4/4/2003	4/4/2003	1	0	0	370	370	87,763	No	No
216-A-34	1,3-Dichlorobenzene	541-73-1	ug/kg	4/4/2003	4/4/2003	1	0	0	330	330	96,128	No	No
216-A-34	1,4-Dichlorobenzene	106-46-7	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	1-Butanol	71-36-3	ug/kg	4/4/2003	4/4/2003	1	0	0	20	20	--	No	No
216-A-34	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	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	0	17	17	--	No	No
216-A-34	2,4,5-Trichlorophenol	95-95-4	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4,6-Trichlorophenol	88-06-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	4/4/2003	1	0	0	34	34	--	No	No
216-A-34	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	2,4-Dichlorophenol	120-83-2	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2,4-Dimethylphenol	105-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-Dinitrophenol	51-28-5	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4-Dinitrotoluene	121-14-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	293	No	No

216-A-34	2,6-Dinitrotoluene	606-20-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	2-Chloronaphthalene	91-58-7	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	0	150	150	--	No	No
216-A-34	2-Methylnaphthalene	91-57-6	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	5,043	No	No
216-A-34	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitroaniline	88-74-4	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitrophenol	88-75-5	ug/kg	4/4/2003	4/4/2003	1	0	0	180	180	--	No	No
216-A-34	3,3'-Dichlorobenzidine	91-94-1	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	3-Nitroaniline	99-09-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	4-Bromophenylphenyl ether	101-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloroaniline	106-47-8	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	--	No	No
216-A-34	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Nitroaniline	100-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	4-Nitrophenol	100-02-7	ug/kg	4/4/2003	4/4/2003	1	0	0	670	670	--	No	No
216-A-34	Acenaphthene	83-32-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	6.83E+06	No	No
216-A-34	Acenaphthylene	208-96-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	3.51E+06	No	No
216-A-34	Aldrin	309-00-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	6.4	No	No
216-A-34	Alpha-BHC	319-84-6	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Anthracene	120-12-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3.41E+06	No	No
216-A-34	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	0	239	239	--	No	No
216-A-34	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0	0.036	0.036	4,580	No	No
216-A-34	Benzene	71-43-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	8.55E+06	No	No
216-A-34	Benzo(a)anthracene	56-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	117,983	No	No
216-A-34	Benzo(a)pyrene	50-32-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	47,194	No	No
216-A-34	Benzo(b)fluoranthene	205-99-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Benzo(ghi)perylene	191-24-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	12,191	No	No
216-A-34	Benzo(k)fluoranthene	207-08-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	136,248	No	No
216-A-34	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	41	No	No
216-A-34	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	4/4/2003	4/4/2003	1	0	0	260	260	--	No	No
216-A-34	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	Bis(2-chloroethyl) ether	111-44-4	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	0	6,770	6,770	--	No	No
216-A-34	Bromide	24959-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	900	900	--	No	No
216-A-34	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Carbazole	86-74-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	0	1.9	1.9	54	No	No
216-A-34	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.017	0.017	1,140	No	No
216-A-34	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.014	0.014	2,390	No	No
216-A-34	Chlorobenzene	108-90-7	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	3.61E+06	No	No
216-A-34	Chrysene	218-01-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	117,983	No	No
216-A-34	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0	0.012	0.012	805	No	No
216-A-34	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dalapon	75-99-0	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Delta-BHC	319-86-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Dibenz(a,h)anthracene	53-70-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	43,630	No	No
216-A-34	Dibenzofuran	132-64-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dicamba	1918-00-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dichloroprop	120-36-5	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Dieldrin	60-57-1	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	0.51	Yes	Yes
216-A-34	Diethyl ether	60-29-7	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Diethylphthalate	84-66-2	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dimethyl phthalate	131-11-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	89	89	--	No	No
216-A-34	Di-n-octylphthalate	117-84-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No

216-A-34	Endosulfan I	959-98-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	3,500	No	No
216-A-34	Endosulfan II	33213-65-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	93,438	No	No
216-A-34	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	32,000	No	No
216-A-34	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	56	No	No
216-A-34	Endrin ketone	53494-70-5	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin	72-20-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Ethylene glycol	107-21-1	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.040	0.040	1,740	No	No
216-A-34	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.038	0.038	1,610	No	No
216-A-34	Fluoranthene	206-44-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	14,854	No	No
216-A-34	Fluorene	86-73-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	6.83E+06	No	No
216-A-34	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor	76-44-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Hexachlorobenzene	118-74-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Hexachlorobutadiene	87-68-3	ug/kg	4/4/2003	4/4/2003	1	0	0	380	380	--	No	No
216-A-34	Hexachlorocyclopentadiene	77-47-4	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	Hexachloroethane	67-72-1	ug/kg	4/4/2003	4/4/2003	1	0	0	480	480	--	No	No
216-A-34	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	0	420	420	--	No	No
216-A-34	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	48,733	No	No
216-A-34	Iodine-129	15046-84-1	pCi/g	4/4/2003	4/4/2003	1	0	0	2.4	2.4	--	No	No
216-A-34	Isophorone	78-59-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	0	48	48	45,980	No	No
216-A-34	Methanol	67-56-1	ug/kg	4/4/2003	4/4/2003	1	0	0	1,000	1,000	--	No	No
216-A-34	Methoxychlor	72-43-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Molybdenum	7439-98-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	13,000	No	No
216-A-34	Naphthalene	91-20-3	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	33,983	No	No
216-A-34	Neptunium-237	13994-20-2	pCi/g	4/4/2003	4/4/2003	1	0	0	0.092	0.092	8,190	No	No
216-A-34	Nitrite	14797-65-0	ug/kg	4/4/2003	4/4/2003	1	0	0	591	591	--	No	No
216-A-34	Nitrobenzene	98-95-3	ug/kg	4/4/2003	4/4/2003	1	0	0	270	270	--	No	No
216-A-34	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	n-Nitrosodiphenylamine	86-30-6	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	4/4/2003	1	0	0	694,000	694,000	--	No	No
216-A-34	Pentachlorophenol	87-86-5	ug/kg	4/4/2003	4/4/2003	1	0	0	310	310	--	No	No
216-A-34	Phenanthrene	85-01-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	4.33E+06	No	No
216-A-34	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.28	0.28	36,300	No	No
216-A-34	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	10,670	No	No
216-A-34	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.013	0.013	--	No	No
216-A-34	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.12	0.12	--	No	No
216-A-34	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	5,300	No	No
216-A-34	Silver	7440-22-4	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	345,299	No	No
216-A-34	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0	0.58	0.58	5,360	No	No
216-A-34	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0	0.20	0.20	--	No	No
216-A-34	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	8.55E+06	No	No
216-A-34	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	1.05E+08	No	No
216-A-34	Toxaphene	8001-35-2	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Trichloroethene	79-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	3.61E+06	No	No
216-A-34	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0	0.17	0.17	1,430	No	No
UPR-200-E-64	Cadmium	7440-43-9	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	151,066	No	No
UPR-200-E-64	Cobalt-60	10198-40-0	pCi/g	2/11/2008	2/12/2008	2	0	0	0.013	0.064	805	No	No
UPR-200-E-64	Europium-152	14683-23-9	pCi/g	2/11/2008	2/12/2008	2	0	0	0.036	0.98	1,740	No	No
UPR-200-E-64	Europium-155	14391-16-3	pCi/g	2/11/2008	2/12/2008	2	0	0	0.053	1.1	33,400	No	No
UPR-200-E-64	Fluoride	16984-48-8	ug/kg	2/11/2008	2/12/2008	2	0	0	294	300	1.49E+06	No	No
UPR-200-E-64	Neptunium-237	13994-20-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.038	0.043	8,190	No	No
UPR-200-E-64	Nickel-63	13981-37-8	pCi/g	2/11/2008	2/12/2008	2	0	0	3.4	6.3	--	No	No
UPR-200-E-64	Nitrite	14797-65-0	ug/kg	2/11/2008	2/12/2008	2	0	0	1,610	1,640	--	No	No
UPR-200-E-64	Silver	7440-22-4	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	345,299	No	No
UPR-200-E-64	Strontium-90	10098-97-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.48	12	521	No	No
UPR-200-E-64	Technetium-99	14133-76-7	pCi/g	2/11/2008	2/12/2008	2	0	0	0.39	0.74	5,360	No	No
UPR-200-E-64	Tritium	10028-17-8	pCi/g	2/11/2008	2/12/2008	2	0	0	4.0	4.2	1,430	No	No

UPR-200-E-89	1,1,1-Trichloroethane	71-55-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.61E+06	No	No
UPR-200-E-89	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.61E+06	No	No
UPR-200-E-89	1,1,2-Trichloroethane	79-00-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.61E+06	No	No
UPR-200-E-89	1,1-Dichloroethane	75-34-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.61E+06	No	No
UPR-200-E-89	1,1-Dichloroethene	75-35-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.61E+06	No	No
UPR-200-E-89	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,2,4-Trichlorobenzene	120-82-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,2-Dichlorobenzene	95-50-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	87,763	No	No
UPR-200-E-89	1,2-Dichloroethane	107-06-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.61E+06	No	No
UPR-200-E-89	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2-Dichloropropane	78-87-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,3-Dichlorobenzene	541-73-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	96,128	No	No
UPR-200-E-89	1,4-Dichlorobenzene	106-46-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10	11	--	No	No
UPR-200-E-89	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4,5-Trichlorophenol	95-95-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4,6-Trichlorophenol	88-06-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dichlorophenol	120-83-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dimethylphenol	105-67-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrophenol	51-28-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrotoluene	121-14-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	293	No	No
UPR-200-E-89	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,6-Dinitrotoluene	606-20-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Butanone	78-93-3	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	2.10E+06	No	No
UPR-200-E-89	2-Chloronaphthalene	91-58-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Hexanone	591-78-6	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	2.10E+06	No	No
UPR-200-E-89	2-Methylnaphthalene	91-57-6	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	5,043	No	No
UPR-200-E-89	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Nitroaniline	88-74-4	ug/kg	7/16/2015	10/22/2015	9	0	0	114	116	--	No	No
UPR-200-E-89	2-Nitrophenol	88-75-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dichlorobenzidine	91-94-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Nitroaniline	99-09-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	4-Bromophenylphenyl ether	101-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	10/22/2015	9	0	0	138	141	--	No	No
UPR-200-E-89	4-Chloroaniline	106-47-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Methyl-2-pentanone	108-10-1	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	4-Nitroaniline	100-01-6	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitrophenol	100-02-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Acenaphthene	83-32-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	6.83E+06	No	No
UPR-200-E-89	Acenaphthylene	208-96-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.51E+06	No	No
UPR-200-E-89	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122	--	No	No
UPR-200-E-89	Americium-241	14596-10-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.16	0.47	28,800	No	No
UPR-200-E-89	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Anthracene	120-12-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.41E+06	No	No
UPR-200-E-89	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Aroclor-1016	12674-11-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	6,448	No	No

UPR-200-E-89	Aroclor-1221	11104-28-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	2,730	No	No
UPR-200-E-89	Aroclor-1232	11141-16-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	2,194	No	No
UPR-200-E-89	Aroclor-1242	53469-21-9	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	10,360	No	No
UPR-200-E-89	Aroclor-1248	12672-29-6	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	9,405	No	No
UPR-200-E-89	Aroclor-1254	11097-69-1	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	11,521	No	No
UPR-200-E-89	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	20,380	No	No
UPR-200-E-89	Aroclor-1262	37324-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Aroclor-1268	11100-14-4	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Benzene	71-43-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	8.55E+06	No	No
UPR-200-E-89	Benzo(a)anthracene	56-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	117,983	No	No
UPR-200-E-89	Benzo(a)pyrene	50-32-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	47,194	No	No
UPR-200-E-89	Benzo(b)fluoranthene	205-99-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Benzo(ghi)perylene	191-24-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	12,191	No	No
UPR-200-E-89	Benzo(k)fluoranthene	207-08-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	136,248	No	No
UPR-200-E-89	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175	--	No	No
UPR-200-E-89	Benzyl alcohol	100-51-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloroethyl) ether	111-44-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bismuth	7440-69-9	ug/kg	7/16/2015	7/21/2015	2	0	0	91	103	--	No	No
UPR-200-E-89	Bromodichloromethane	75-27-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromoform	75-25-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromomethane	74-83-9	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Carbazole	86-74-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Carbon disulfide	75-15-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	--	No	No
UPR-200-E-89	Carbon tetrachloride	56-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.61E+06	No	No
UPR-200-E-89	Carbon-14	14762-75-5	pCi/g	7/16/2015	10/22/2015	8	0	0	2.5	4.4	54	No	No
UPR-200-E-89	Chlorobenzene	108-90-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.61E+06	No	No
UPR-200-E-89	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Chloroethane	75-00-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chloroform	67-66-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.61E+06	No	No
UPR-200-E-89	Chloromethane	74-87-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chrysene	218-01-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	117,983	No	No
UPR-200-E-89	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Cobalt-60	10198-40-0	pCi/g	4/29/2008	10/22/2015	3	0	0	0.042	0.16	805	No	No
UPR-200-E-89	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dibenz(a,h)anthracene	53-70-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	43,630	No	No
UPR-200-E-89	Dibenzofuran	132-64-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dibromochloromethane	124-48-1	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Diethylphthalate	84-66-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dimethyl phthalate	131-11-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Di-n-octylphthalate	117-84-0	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethylbenzene	100-41-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	159,000	No	No
UPR-200-E-89	Europium-152	14683-23-9	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.72	1,740	No	No
UPR-200-E-89	Europium-154	15585-10-1	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.48	1,610	No	No
UPR-200-E-89	Europium-155	14391-16-3	pCi/g	4/29/2008	10/22/2015	3	0	0	0.10	0.86	33,400	No	No
UPR-200-E-89	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Fluoranthene	206-44-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	14,854	No	No
UPR-200-E-89	Fluorene	86-73-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	6.83E+06	No	No
UPR-200-E-89	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	0	6.4	6.4	--	No	No
UPR-200-E-89	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	0	15	15	--	No	No
UPR-200-E-89	Hexachlorobenzene	118-74-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorobutadiene	87-68-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorocyclopentadiene	77-47-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachloroethane	67-72-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4,000	4,050	--	No	No

UPR-200-E-89	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	48,733	No	No
UPR-200-E-89	Iodine-129	15046-84-1	pCi/g	10/1/2015	10/22/2015	3	0	0	1.2	1.8	--	No	No
UPR-200-E-89	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	69	70	--	No	No
UPR-200-E-89	Isophorone	78-59-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Mercury	7439-97-6	ug/kg	7/16/2015	10/22/2015	4	0	0	3.8	4.0	45,980	No	No
UPR-200-E-89	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methylene chloride	75-09-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	3.61E+06	No	No
UPR-200-E-89	Naphthalene	91-20-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	33,983	No	No
UPR-200-E-89	Neptunium-237	13994-20-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.69	8,190	No	No
UPR-200-E-89	Nickel-63	13981-37-8	pCi/g	7/16/2015	10/22/2015	9	0	0	12	18	--	No	No
UPR-200-E-89	Nitrite	14797-65-0	ug/kg	4/29/2008	10/22/2015	10	0	0	1,010	1,140	--	No	No
UPR-200-E-89	Nitrobenzene	98-95-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomorpholine	59-89-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorophenol	87-86-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Phenanthrene	85-01-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	4.33E+06	No	No
UPR-200-E-89	Phenol	108-95-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Plutonium-238	13981-16-3	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.62	36,300	No	No
UPR-200-E-89	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	10/22/2015	9	0	0	0.39	0.75	38,800	No	No
UPR-200-E-89	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3,440	3,490	--	No	No
UPR-200-E-89	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pyrene	129-00-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	10,670	No	No
UPR-200-E-89	Pyridine	110-86-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Styrene	100-42-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Technetium-99	14133-76-7	pCi/g	7/16/2015	10/22/2015	6	0	0	9.5	12	5,360	No	No
UPR-200-E-89	Tetrachloroethene	127-18-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.61E+06	No	No
UPR-200-E-89	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total cresols	1319-77-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	0	200,000	200,000	--	No	No
UPR-200-E-89	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	7/16/2015	10/22/2015	8	0	0	1,150	1,170	1.05E+08	No	No
UPR-200-E-89	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Trichloroethene	79-01-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.61E+06	No	No
UPR-200-E-89	Tritium	10028-17-8	pCi/g	7/16/2015	10/22/2015	9	0	0	14	28	1,430	No	No
UPR-200-E-89	Uranium-235	15117-96-1	pCi/g	7/16/2015	10/22/2015	9	0	0	0.19	0.88	6,340	No	No
UPR-200-E-89	Vinyl chloride	75-01-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Xylenes (total)	1330-20-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	149,000	No	No
UPR-200-W-99	1,1,1-Trichloroethane	71-55-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.61E+06	No	No
UPR-200-W-99	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.61E+06	No	No

UPR-200-W-99	1,1,2-Trichloroethane	79-00-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.61E+06	No	No
UPR-200-W-99	1,1-Dichloroethane	75-34-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.61E+06	No	No
UPR-200-W-99	1,1-Dichloroethene	75-35-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.61E+06	No	No
UPR-200-W-99	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	--	No	No
UPR-200-W-99	1,2-Dichlorobenzene	95-50-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	87,763	No	No
UPR-200-W-99	1,2-Dichloroethane	107-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.61E+06	No	No
UPR-200-W-99	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2-Dichloropropane	78-87-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,3-Dichlorobenzene	541-73-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	96,128	No	No
UPR-200-W-99	1,4-Dichlorobenzene	106-46-7	ug/kg	8/22/2000	5/12/2009	3	0	0	260	380	--	No	No
UPR-200-W-99	1-Butanol	71-36-3	ug/kg	10/28/2002	10/28/2002	1	0	0	26,000	26,000	--	No	No
UPR-200-W-99	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dichlorophenol	120-83-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dimethylphenol	105-67-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dinitrophenol	51-28-5	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4-Dinitrotoluene	121-14-2	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	293	No	Yes
UPR-200-W-99	2,6-Dinitrotoluene	606-20-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Chloronaphthalene	91-58-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Hexanone	591-78-6	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	2.10E+06	No	No
UPR-200-W-99	2-Methylnaphthalene	91-57-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	5,043	No	No
UPR-200-W-99	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Nitroaniline	88-74-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2-Nitrophenol	88-75-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/22/2000	8/22/2000	1	0	0	340	340	--	No	No
UPR-200-W-99	3-Nitroaniline	99-09-2	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chloroaniline	106-47-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Methyl-2-pentanone	108-10-1	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	4-Nitroaniline	100-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Nitrophenol	100-02-7	ug/kg	8/22/2000	5/12/2009	3	0	0	340	960	--	No	No
UPR-200-W-99	Acenaphthene	83-32-9	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	6.83E+06	No	No
UPR-200-W-99	Acenaphthylene	208-96-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3.51E+06	No	No
UPR-200-W-99	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	1	0	0	3,650	3,650	--	No	No
UPR-200-W-99	Anthracene	120-12-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3.41E+06	No	No
UPR-200-W-99	Antimony	7440-36-0	ug/kg	10/28/2002	10/28/2002	1	0	0	190	190	--	No	No
UPR-200-W-99	Antimony-125	14234-35-6	pCi/g	10/28/2002	5/12/2009	2	0	0	0.030	0.22	4,580	No	No
UPR-200-W-99	Aroclor-1016	12674-11-2	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	6,448	No	No
UPR-200-W-99	Aroclor-1221	11104-28-2	ug/kg	10/28/2002	5/12/2009	2	0	0	20	77	2,730	No	No
UPR-200-W-99	Aroclor-1232	11141-16-5	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	2,194	No	No
UPR-200-W-99	Aroclor-1242	53469-21-9	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	10,360	No	No
UPR-200-W-99	Aroclor-1248	12672-29-6	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	9,405	No	No
UPR-200-W-99	Aroclor-1254	11097-69-1	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	11,521	No	No
UPR-200-W-99	Aroclor-1262	37324-23-5	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Aroclor-1268	11100-14-4	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Benzene	71-43-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	8.55E+06	No	No
UPR-200-W-99	Benzo(a)anthracene	56-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	117,983	No	No
UPR-200-W-99	Benzo(a)pyrene	50-32-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	47,194	No	No
UPR-200-W-99	Benzo(b)fluoranthene	205-99-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Benzo(ghi)perylene	191-24-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	12,191	No	No
UPR-200-W-99	Benzo(k)fluoranthene	207-08-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	136,248	No	No
UPR-200-W-99	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bismuth	7440-69-9	ug/kg	10/28/2002	5/12/2009	2	0	0	670	2,300	--	No	No
UPR-200-W-99	Bromodichloromethane	75-27-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromoform	75-25-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromomethane	74-83-9	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No

UPR-200-W-99	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbazole	86-74-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbon disulfide	75-15-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Carbon tetrachloride	56-23-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.61E+06	No	No
UPR-200-W-99	Cesium-134	13967-70-9	pCi/g	10/28/2002	5/12/2009	2	0	0	0.014	0.12	1,140	No	No
UPR-200-W-99	Chlorobenzene	108-90-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.61E+06	No	No
UPR-200-W-99	Chloroethane	75-00-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chloroform	67-66-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.61E+06	No	No
UPR-200-W-99	Chloromethane	74-87-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chrysene	218-01-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	117,983	No	No
UPR-200-W-99	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Cobalt-60	10198-40-0	pCi/g	8/22/2000	5/12/2009	4	0	0	0.010	0.10	805	No	No
UPR-200-W-99	Cyanide	57-12-5	ug/kg	8/22/2000	5/12/2009	3	0	0	200	550	--	No	No
UPR-200-W-99	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	43,630	No	No
UPR-200-W-99	Dibenzofuran	132-64-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dibromochloromethane	124-48-1	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Diethylphthalate	84-66-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dimethyl phthalate	131-11-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Di-n-octylphthalate	117-84-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Ethylbenzene	100-41-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	159,000	No	No
UPR-200-W-99	Europium-152	14683-23-9	pCi/g	8/22/2000	5/12/2009	4	0	0	0.033	0.23	1,740	No	No
UPR-200-W-99	Europium-154	15585-10-1	pCi/g	8/22/2000	5/12/2009	4	0	0	0.031	0.35	1,610	No	No
UPR-200-W-99	Europium-155	14391-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.046	0.19	33,400	No	No
UPR-200-W-99	Fluoranthene	206-44-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	14,854	No	No
UPR-200-W-99	Fluorene	86-73-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	6.83E+06	No	No
UPR-200-W-99	Hexachlorobenzene	118-74-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorobutadiene	87-68-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachloroethane	67-72-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	48,733	No	No
UPR-200-W-99	Iodine-129	15046-84-1	pCi/g	8/22/2000	5/12/2009	3	0	0	1.3	1.7	--	No	No
UPR-200-W-99	Isophorone	78-59-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Mercury	7439-97-6	ug/kg	8/22/2000	5/12/2009	3	0	0	20	50	45,980	No	No
UPR-200-W-99	Naphthalene	91-20-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	33,983	No	No
UPR-200-W-99	Neptunium-237	13994-20-2	pCi/g	10/28/2002	5/12/2009	2	0	0	0.093	0.12	8,190	No	No
UPR-200-W-99	Nickel-63	13981-37-8	pCi/g	10/28/2002	5/12/2009	2	0	0	2.2	3.3	--	No	No
UPR-200-W-99	Nitrite	14797-65-0	ug/kg	10/28/2002	10/28/2002	1	0	0	1,440	1,440	--	No	No
UPR-200-W-99	Nitrobenzene	98-95-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Pentachlorophenol	87-86-5	ug/kg	8/22/2000	5/12/2009	3	0	0	410	960	--	No	No
UPR-200-W-99	Phenanthrene	85-01-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	4.33E+06	No	No
UPR-200-W-99	Plutonium-238	13981-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.023	0.19	36,300	No	No
UPR-200-W-99	Pyridine	110-86-1	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Silver	7440-22-4	ug/kg	8/22/2000	5/12/2009	3	0	0	99	160	345,299	No	No
UPR-200-W-99	Styrene	100-42-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Sulfide	18496-25-8	ug/kg	8/22/2000	8/22/2000	1	0	0	20,600	20,600	--	No	No
UPR-200-W-99	Technetium-99	14133-76-7	pCi/g	8/22/2000	5/12/2009	4	0	0	0.38	0.61	5,360	No	No
UPR-200-W-99	Tetrachloroethene	127-18-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.61E+06	No	No
UPR-200-W-99	Tin-126	15832-50-5	pCi/g	10/28/2002	10/28/2002	1	0	0	0.10	0.10	--	No	No
UPR-200-W-99	Toluene	108-88-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	8.55E+06	No	No
UPR-200-W-99	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/28/2002	10/28/2002	1	0	0	33	33	--	No	No
UPR-200-W-99	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	5/12/2009	2	0	0	150	380	--	No	No
UPR-200-W-99	Trichloroethene	79-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.61E+06	No	No
UPR-200-W-99	Tritium	10028-17-8	pCi/g	8/22/2000	5/12/2009	4	0	0	0.091	3.6	1,430	No	No
UPR-200-W-99	Vinyl chloride	75-01-4	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Xylenes (total)	1330-20-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	149,000	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
200-E-115	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.138	0.20	--	No	No
200-E-115	1,1,1-Trichloroethane	71-55-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0758	0.11	216,690	No	No
200-E-115	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.174	0.25	216,665	No	No
200-E-115	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0957	0.14	--	No	No
200-E-115	1,1,2-Trichloroethane	79-00-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.137	0.19	217,230	No	No
200-E-115	1,1-Dichloroethene	75-35-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.349	0.49	217,020	No	No
200-E-115	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/17/2010	8/29/2010	8	0	0	74.5	77	--	No	No
200-E-115	1,2-Dichlorobenzene	95-50-1	ug/kg	8/17/2010	8/29/2010	8	0	0	96.9	101	90,993	No	No
200-E-115	1,2-Dichloroethane	107-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0443	0.063	221,876	No	No
200-E-115	1-Butanol	71-36-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.48	12	--	No	No
200-E-115	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	33091-17-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00016	3.20E-04	--	No	No
200-E-115	2,2',3,3',4,5,5'-Heptachlorobiphenyl	52663-74-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00027	3.90E-04	--	No	No
200-E-115	2,2',3,3',4,5',6-Heptachlorobiphenyl	40186-70-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00025	3.50E-04	--	No	No
200-E-115	2,2',3,3',4,5'-Hexachlorobiphenyl	52663-66-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00035	5.50E-04	--	No	No
200-E-115	2,2',3,3',4,6-Hexachlorobiphenyl	61798-70-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00036	5.60E-04	--	No	No
200-E-115	2,2',3,3',4-Pentachlorobiphenyl	52663-62-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00035	6.20E-04	--	No	No
200-E-115	2,2',3,3',5,5'-Hexachlorobiphenyl	35694-04-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00033	5.20E-04	--	No	No
200-E-115	2,2',3,3',6,6'-Hexachlorobiphenyl	38411-22-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00024	3.70E-04	--	No	No
200-E-115	2,2',3,3',6-Pentachlorobiphenyl	52663-60-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00034	6.00E-04	--	No	No
200-E-115	2,2',3,4,4',5,6,6'-Octachlorobiphenyl	74472-52-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00017	3.30E-04	--	No	No
200-E-115	2,2',3,4,4',5,6'-Heptachlorobiphenyl	60145-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00024	3.40E-04	--	No	No
200-E-115	2,2',3,4,4',5,6-Heptachlorobiphenyl	74472-47-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00025	3.50E-04	--	No	No
200-E-115	2,2',3,4,4',5-Hexachlorobiphenyl	35694-06-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0003	4.70E-04	--	No	No
200-E-115	2,2',3,4,4',6,6'-Heptachlorobiphenyl	74472-48-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0002	2.90E-04	--	No	No
200-E-115	2,2',3,4,5,6,6'-Heptachlorobiphenyl	74472-49-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0002	2.80E-04	--	No	No
200-E-115	2,2',3,4',5,6,6'-Heptachlorobiphenyl	74487-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00017	2.40E-04	--	No	No
200-E-115	2,2',3,4,5,6-Hexachlorobiphenyl	41411-61-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00035	5.40E-04	--	No	No
200-E-115	2,2',3,4,5',6-Hexachlorobiphenyl	68194-14-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0003	4.70E-04	--	No	No
200-E-115	2,2',3,4',5,6'-Hexachlorobiphenyl	74472-41-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00032	5.00E-04	--	No	No
200-E-115	2,2',3,4,6,6'-Hexachlorobiphenyl	74472-40-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00023	3.60E-04	--	No	No
200-E-115	2,2',3,4',6,6'-Hexachlorobiphenyl	68194-08-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00022	3.50E-04	--	No	No
200-E-115	2,2',3,4,6'-Pentachlorobiphenyl	73575-57-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00033	5.80E-04	--	No	No
200-E-115	2,2',3',4,6-Pentachlorobiphenyl	60233-25-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00028	5.00E-04	--	No	No
200-E-115	2,2',3,4'-Tetrachlorobiphenyl	36559-22-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00035	7.90E-04	--	No	No
200-E-115	2,2',3,5,5'-Pentachlorobiphenyl	52663-61-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00029	5.10E-04	--	No	No
200-E-115	2,2',3,5,6,6'-Hexachlorobiphenyl	68194-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00023	3.50E-04	--	No	No
200-E-115	2,2',3,5,6'-Pentachlorobiphenyl	73575-55-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00033	5.80E-04	--	No	No
200-E-115	2,2',3,5,6-Pentachlorobiphenyl	73575-56-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00029	5.10E-04	--	No	No
200-E-115	2,2',3,5-Tetrachlorobiphenyl	70362-46-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00032	7.30E-04	--	No	No
200-E-115	2,2',3,6,6'-Pentachlorobiphenyl	73575-54-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00024	4.30E-04	--	No	No
200-E-115	2,2',3,6'-Tetrachlorobiphenyl	41464-47-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00042	9.50E-04	--	No	No
200-E-115	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0005	0.0012	--	No	No
200-E-115	2,2',4,4',5,6'-Hexachlorobiphenyl	60145-22-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00026	4.10E-04	--	No	No
200-E-115	2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00022	3.40E-04	--	No	No
200-E-115	2,2',4,4',6-Pentachlorobiphenyl	39485-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00029	5.10E-04	--	No	No
200-E-115	2,2',4,5,6-Pentachlorobiphenyl	68194-06-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00028	5.00E-04	--	No	No
200-E-115	2,2',4,5',6-Pentachlorobiphenyl	60145-21-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00029	5.10E-04	--	No	No
200-E-115	2,2',4,5-Tetrachlorobiphenyl	70362-47-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00034	7.70E-04	--	No	No
200-E-115	2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00022	3.80E-04	--	No	No
200-E-115	2,2',6,6'-Tetrachlorobiphenyl	15968-05-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00032	8.30E-04	--	No	No
200-E-115	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00051	0.0012	--	No	No
200-E-115	2,3,3',4,4',5,5',6-Octachlorobiphenyl	74472-53-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00012	2.40E-04	--	No	No
200-E-115	2,3,3',4,4',5,5'-Heptachlorobiphenyl	39635-31-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00014	2.00E-04	--	No	No
200-E-115	2,3,3',4,4',5',6-Heptachlorobiphenyl	74472-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00019	2.70E-04	--	No	No
200-E-115	2,3,3',4,5,5',6-Heptachlorobiphenyl	74472-51-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00021	3.00E-04	--	No	No
200-E-115	2,3,3',4,5,5'-Hexachlorobiphenyl	39635-35-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00023	3.60E-04	--	No	No
200-E-115	2,3,3',4',5,5'-Hexachlorobiphenyl	39635-34-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00023	3.60E-04	--	No	No
200-E-115	2,3,3',4,5',6-Hexachlorobiphenyl	74472-43-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00023	3.60E-04	--	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
200-E-115	2,3,3',4',5',6-Hexachlorobiphenyl	74472-45-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00024	3.80E-04	--	No	No
200-E-115	2,3,3',4,5-Pentachlorobiphenyl	70424-69-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00016	3.10E-04	--	No	No
200-E-115	2,3,3',4',5-Pentachlorobiphenyl	70424-68-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00015	3.00E-04	--	No	No
200-E-115	2',3,3',4,5-Pentachlorobiphenyl	76842-07-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00017	3.40E-04	--	No	No
200-E-115	2,3,3',4-Tetrachlorobiphenyl	74338-24-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00027	6.00E-04	--	No	No
200-E-115	2,3,3',5,5',6-Hexachlorobiphenyl	74472-46-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00025	3.90E-04	--	No	No
200-E-115	2,3,3',5,5'-Pentachlorobiphenyl	39635-32-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0002	3.60E-04	--	No	No
200-E-115	2,3,3',5,6-Pentachlorobiphenyl	74472-36-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00022	3.90E-04	--	No	No
200-E-115	2,3,3',5'-Tetrachlorobiphenyl	41464-49-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00025	5.70E-04	--	No	No
200-E-115	2,3,3',5-Tetrachlorobiphenyl	70424-67-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00025	5.70E-04	--	No	No
200-E-115	2,3,3',6-Tetrachlorobiphenyl	74472-33-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00024	5.50E-04	--	No	No
200-E-115	2,3',4,4',5,5'-Hexachlorobiphenyl	52663-72-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00017	2.70E-04	--	No	No
200-E-115	2,3,4,4',5-Pentachlorobiphenyl	74472-37-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00014	2.80E-04	--	No	No
200-E-115	2',3,4,4',5-Pentachlorobiphenyl	65510-44-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00016	3.00E-04	--	No	No
200-E-115	2,3,4,4'-Tetrachlorobiphenyl	33025-41-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00026	5.80E-04	--	No	No
200-E-115	2,3',4,5,5'-Pentachlorobiphenyl	68194-12-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00021	3.70E-04	--	No	No
200-E-115	2,3',4,5',6-Pentachlorobiphenyl	56558-18-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00021	3.70E-04	--	No	No
200-E-115	2,3,4',5-Tetrachlorobiphenyl	74472-34-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00023	5.30E-04	--	No	No
200-E-115	2,3',4,5-Tetrachlorobiphenyl	73575-53-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00023	5.20E-04	--	No	No
200-E-115	2,3,4,6-Tetrachlorobiphenyl	54230-22-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00024	5.50E-04	--	No	No
200-E-115	2,3',5,5'-Tetrachlorobiphenyl	41464-42-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00025	5.60E-04	--	No	No
200-E-115	2,3',5',6-Tetrachlorobiphenyl	74338-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00032	7.30E-04	--	No	No
200-E-115	2,3,5-Trichlorobiphenyl	55720-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00025	5.80E-04	--	No	No
200-E-115	2',3,5-Trichlorobiphenyl	37680-68-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00025	5.70E-04	--	No	No
200-E-115	2,3,6-Trichlorobiphenyl	55702-45-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00035	8.30E-04	--	No	No
200-E-115	2,3',6-Trichlorobiphenyl	38444-76-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0003	7.10E-04	--	No	No
200-E-115	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00081	0.0019	--	No	No
200-E-115	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00086	0.0020	--	No	No
200-E-115	2,4,4',6-Tetrachlorobiphenyl	32598-12-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00024	5.50E-04	--	No	No
200-E-115	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/17/2010	8/29/2010	8	0	0	42.3	44	--	No	No
200-E-115	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	47.6	50	--	No	No
200-E-115	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00083	0.0020	--	No	No
200-E-115	2,4-Dinitrotoluene	121-14-2	ug/kg	8/17/2010	8/29/2010	8	0	0	36.7	38	301	No	No
200-E-115	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00084	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0009	0.0021	--	No	No
200-E-115	2-Butanone	78-93-3	ug/kg	8/17/2010	8/29/2010	8	0	0	1.62	2.3	1.04E+06	No	No
200-E-115	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	8/29/2010	8	0	0	64	67	--	No	No
200-E-115	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/17/2010	8/29/2010	8	0	0	91.6	94	--	No	No
200-E-115	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/17/2010	8/29/2010	8	0	0	55.3	58	--	No	No
200-E-115	2-Nitrophenol	88-75-5	ug/kg	8/17/2010	8/29/2010	8	0	0	51.7	54	--	No	No
200-E-115	2-Nitropropane	79-46-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.484	0.69	--	No	No
200-E-115	3,3',4,4'-Tetrachlorobiphenyl	32598-13-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00025	5.50E-04	--	No	No
200-E-115	3,3',4,5,5'-Pentachlorobiphenyl	39635-33-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00015	3.00E-04	--	No	No
200-E-115	3,3',4,5'-Tetrachlorobiphenyl	41464-48-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00023	5.20E-04	--	No	No
200-E-115	3,3',4,5-Tetrachlorobiphenyl	70362-49-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00026	5.90E-04	--	No	No
200-E-115	3,3',4-Trichlorobiphenyl	37680-69-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00026	5.90E-04	--	No	No
200-E-115	3,3',5,5'-Tetrachlorobiphenyl	33284-52-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00022	5.10E-04	--	No	No
200-E-115	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00025	5.70E-04	--	No	No
200-E-115	3,4,4',5-Tetrachlorobiphenyl	70362-50-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00023	5.30E-04	--	No	No
200-E-115	3,4,5-Trichlorobiphenyl	53555-66-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00026	6.00E-04	--	No	No
200-E-115	3,4',5-Trichlorobiphenyl	38444-88-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00023	5.30E-04	--	No	No
200-E-115	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00082	0.0019	--	No	No
200-E-115	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00082	0.0019	--	No	No
200-E-115	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00071	0.0017	--	No	No
200-E-115	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/17/2010	8/29/2010	8	0	0	49.5	51	--	No	No
200-E-115	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04	--	No	No
200-E-115	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.085	0.26	--	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
200-E-115	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.41	1.2	--	No	No
200-E-115	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.65	2.0	--	No	No
200-E-115	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00088	0.0023	--	No	No
200-E-115	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	41.6	43	--	No	No
200-E-115	4-Methyl-2-pentanone	108-10-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.41	2.0	--	No	No
200-E-115	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.00012	2.90E-04	--	No	No
200-E-115	Acenaphthene	83-32-9	ug/kg	8/17/2010	8/29/2010	8	0	0	16.9	18	284,900	No	No
200-E-115	Acetone	67-64-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.81	2.6	--	No	No
200-E-115	Aldrin	309-00-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.32	0.98	80	No	No
200-E-115	Alpha-BHC	319-84-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.42	--	No	No
200-E-115	Americium-241	14596-10-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.424	0.61	24,900	No	No
200-E-115	Antimony-125	14234-35-6	pCi/g	8/17/2010	8/29/2010	8	0	0	0.705	1.2	4,580	No	No
200-E-115	Aroclor-1016	12674-11-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	641	No	No
200-E-115	Aroclor-1221	11104-28-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	606	No	No
200-E-115	Aroclor-1232	11141-16-5	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	592	No	No
200-E-115	Aroclor-1242	53469-21-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	652	No	No
200-E-115	Aroclor-1248	12672-29-6	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	650	No	No
200-E-115	Aroclor-1254	11097-69-1	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	653	No	No
200-E-115	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	660	No	No
200-E-115	Benzene	71-43-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.121	0.17	513,000	No	No
200-E-115	Benzo(a)anthracene	56-55-3	ug/kg	8/17/2010	8/29/2010	8	0	0	36.4	38	5,211	No	No
200-E-115	Benzo(a)pyrene	50-32-8	ug/kg	8/17/2010	8/29/2010	8	0	0	39.6	41	5,969	No	No
200-E-115	Benzo(b)fluoranthene	205-99-2	ug/kg	8/17/2010	8/29/2010	8	0	0	47.1	49	3,042	No	No
200-E-115	Benzo(k)fluoranthene	207-08-9	ug/kg	8/17/2010	8/29/2010	8	0	0	37.6	39	3,250	No	No
200-E-115	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.31	0.96	3,646	No	No
200-E-115	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/17/2010	8/29/2010	8	0	0	568	590	352	Yes	Yes
200-E-115	Bismuth	7440-69-9	ug/kg	8/18/2010	8/18/2010	1	0	0	8310	8,310	--	No	No
200-E-115	Bromide	24959-67-9	ug/kg	8/17/2010	8/29/2010	8	0	0	567	580	--	No	No
200-E-115	Carbon disulfide	75-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.132	0.19	--	No	No
200-E-115	Carbon tetrachloride	56-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0769	0.11	216,299	No	No
200-E-115	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	8/29/2010	8	0	0	176	182	--	No	No
200-E-115	Cesium-137	10045-97-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.337	0.58	2,700	No	No
200-E-115	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12	24,280	No	No
200-E-115	Chlorobenzene	108-90-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0712	0.10	216,314	No	No
200-E-115	Chloroform	67-66-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.108	0.15	217,167	No	No
200-E-115	Chrysene	218-01-9	ug/kg	8/17/2010	8/29/2010	8	0	0	78.3	81	3,649	No	No
200-E-115	cis-1,2-Dichloroethylene	156-59-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.15	0.21	217,050	No	No
200-E-115	Cobalt-60	10198-40-0	pCi/g	8/17/2010	8/29/2010	8	0	0	0.277	0.44	805	No	No
200-E-115	Co-elution of PCB congeners BZ 108 and 124	PCB108/124	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0002	3.00E-04	--	No	No
200-E-115	Co-elution of PCB congeners BZ 134 and 143	PCB134/143	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0004	6.00E-04	--	No	No
200-E-115	Co-elution of PCB congeners BZ 139 and 140	PCB139/140	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0003	5.00E-04	--	No	No
200-E-115	Co-elution of PCB congeners BZ 171 and 173	PCB171/173	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0003	4.00E-04	--	No	No
200-E-115	Co-elution of PCB congeners BZ 40, 41, and 71	PCB40/41/71	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0003	8.00E-04	--	No	No
200-E-115	Co-elution of PCB congeners BZ 50 and 53	PCB50/53	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0003	8.00E-04	--	No	No
200-E-115	Co-elution of PCB congeners BZ 85, 116, and 117	PCB85/116/117	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0002	4.00E-04	--	No	No
200-E-115	Co-elution of PCB congeners BZ 88 and 91	PCB88/91	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0003	5.00E-04	--	No	No
200-E-115	Curium-242	15510-73-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-E-115	Curium-243/244	CM-243/244	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	250,000	No	No
200-E-115	Cyanide	57-12-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2600	2,680	--	No	No
200-E-115	Cyclohexanone	108-94-1	ug/kg	8/17/2010	8/29/2010	8	0	0	537	558	--	No	No
200-E-115	Delta-BHC	319-86-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.77	--	No	No
200-E-115	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/17/2010	8/29/2010	8	0	0	49.2	51	3,540	No	No
200-E-115	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	8/29/2010	8	0	0	870	920	--	No	No
200-E-115	Dieldrin	60-57-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.69	62	No	No
200-E-115	Diethyl ether	60-29-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.211	0.30	--	No	No
200-E-115	Di-n-octylphthalate	117-84-0	ug/kg	8/17/2010	8/29/2010	8	0	0	45.9	48	--	No	No
200-E-115	Endrin	72-20-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.43	--	No	No
200-E-115	Ethyl acetate	141-78-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.484	0.69	--	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
200-E-115	Ethylbenzene	100-41-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0883	0.13	183,000	No	No
200-E-115	Ethylene glycol	107-21-1	ug/kg	8/17/2010	8/29/2010	8	0	0	13000	14,000	--	No	No
200-E-115	Europium-152	14683-23-9	pCi/g	8/17/2010	8/29/2010	8	0	0	1.4	2.0	1,740	No	No
200-E-115	Europium-154	15585-10-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.894	1.5	1,610	No	No
200-E-115	Europium-155	14391-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.463	1.0	33,400	No	No
200-E-115	Fluoranthene	206-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	34.1	35	2,544	No	No
200-E-115	Gamma-BHC (Lindane)	58-89-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.18	0.54	--	No	No
200-E-115	Heptachlor epoxide	1024-57-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.45	1.4	--	No	No
200-E-115	Heptachlor	76-44-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.099	0.30	--	No	No
200-E-115	Hexachlorobutadiene	87-68-3	ug/kg	8/17/2010	8/29/2010	8	0	0	67.1	70	--	No	No
200-E-115	Hexachloroethane	67-72-1	ug/kg	8/17/2010	8/29/2010	8	0	0	108	112	--	No	No
200-E-115	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/17/2010	8/29/2010	8	0	0	49.1	51	2,896	No	No
200-E-115	Iodine-129	15046-84-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.135	0.22	--	No	No
200-E-115	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	443	460	--	No	No
200-E-115	Mercury	7439-97-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.16	9.8	31,650	No	No
200-E-115	Methylene chloride	75-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0527	0.075	217,953	No	No
200-E-115	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	630	680	--	No	No
200-E-115	Naphthalene	91-20-3	ug/kg	8/17/2010	8/29/2010	8	0	0	60.2	63	36,921	No	No
200-E-115	Nickel-63	13981-37-8	pCi/g	8/17/2010	8/29/2010	8	0	0	4.32	5.9	--	No	No
200-E-115	Nitrobenzene	98-95-3	ug/kg	8/17/2010	8/29/2010	8	0	0	62.2	65	--	No	No
200-E-115	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	8/29/2010	8	0	0	55.9	58	--	No	No
200-E-115	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	8/29/2010	8	0	0	184	191	--	No	No
200-E-115	o-Xylene	95-47-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0758	0.11	--	No	No
200-E-115	Plutonium-238	13981-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.259	0.35	56,200	No	No
200-E-115	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	8/29/2010	8	0	0	0.259	0.35	60,300	No	No
200-E-115	Pyrene	129-00-0	ug/kg	8/17/2010	8/29/2010	8	0	0	60.5	63	3,882	No	No
200-E-115	Pyridine	110-86-1	ug/kg	8/17/2010	8/29/2010	8	0	0	62.6	65	--	No	No
200-E-115	Strontium-90	10098-97-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.182	0.57	302	No	No
200-E-115	Tetrachloroethene	127-18-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0904	0.13	215,722	No	No
200-E-115	Total cresols	1319-77-3	ug/kg	8/17/2010	8/29/2010	8	0	0	103	107	--	No	No
200-E-115	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	8/17/2010	8/29/2010	8	0	0	10	11	--	No	No
200-E-115	trans-1,2-Dichloroethylene	156-60-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.35	217,050	No	No
200-E-115	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.223	0.32	--	No	No
200-E-115	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	8/29/2010	8	0	0	104	108	--	No	No
200-E-115	Trichloroethene	79-01-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0997	0.14	216,766	No	No
200-E-115	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.0774	0.11	--	No	No
200-E-115	Vinyl chloride	75-01-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.143	0.20	--	No	No
200-E-115	Xylenes (total)	1330-20-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.167	0.24	175,000	No	No
200-W-54	1,1,1-Trichloroethane	71-55-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	216,690	No	No
200-W-54	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	216,665	No	No
200-W-54	1,1,2-Trichloroethane	79-00-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	217,230	No	No
200-W-54	1,1-Dichloroethane	75-34-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	217,360	No	No
200-W-54	1,1-Dichloroethene	75-35-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	217,020	No	No
200-W-54	1,2,4-Trichlorobenzene	120-82-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,2-Dichlorobenzene	95-50-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	90,993	No	No
200-W-54	1,2-Dichloroethane	107-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	221,876	No	No
200-W-54	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	--	No	No
200-W-54	1,2-Dichloropropane	78-87-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	--	No	No
200-W-54	1,3-Dichlorobenzene	541-73-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	95,925	No	No
200-W-54	1,4-Dichlorobenzene	106-46-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4,5-Trichlorophenol	95-95-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4,6-Trichlorophenol	88-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dichlorophenol	120-83-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dimethylphenol	105-67-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dinitrophenol	51-28-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4-Dinitrotoluene	121-14-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	301	Yes	Yes
200-W-54	2,6-Dinitrotoluene	606-20-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Butanone	78-93-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	1.04E+06	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
200-W-54	2-Chloronaphthalene	91-58-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Hexanone	591-78-6	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	548,266	No	No
200-W-54	2-Methylnaphthalene	91-57-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	5,687	No	No
200-W-54	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Nitroaniline	88-74-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2-Nitrophenol	88-75-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3,3'-Dichlorobenzidine	91-94-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3-Nitroaniline	99-09-2	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Bromophenylphenyl ether	101-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloroaniline	106-47-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Methyl-2-pentanone	108-10-1	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	4-Nitroaniline	100-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Nitrophenol	100-02-7	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Acenaphthene	83-32-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	284,900	No	No
200-W-54	Acenaphthylene	208-96-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	18,588	No	No
200-W-54	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.13	0.13	24,900	No	No
200-W-54	Anthracene	120-12-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	169,718	No	No
200-W-54	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	641	No	No
200-W-54	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/19/2001	1	0	0	69	69	606	No	No
200-W-54	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	592	No	No
200-W-54	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	652	No	No
200-W-54	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	650	No	No
200-W-54	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	653	No	No
200-W-54	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	660	No	No
200-W-54	Benzene	71-43-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	513,000	No	No
200-W-54	Benzo(a)anthracene	56-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	5,211	No	No
200-W-54	Benzo(a)pyrene	50-32-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	5,969	No	No
200-W-54	Benzo(b)fluoranthene	205-99-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3,042	No	No
200-W-54	Benzo(ghi)perylene	191-24-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	2,636	No	No
200-W-54	Benzo(k)fluoranthene	207-08-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3,250	No	No
200-W-54	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-chloroethyl) ether	111-44-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	352	No	No
200-W-54	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Bromodichloromethane	75-27-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	--	No	No
200-W-54	Bromoform	75-25-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	--	No	No
200-W-54	Bromomethane	74-83-9	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbazole	86-74-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbon disulfide	75-15-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	--	No	No
200-W-54	Carbon tetrachloride	56-23-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	216,299	No	No
200-W-54	Carbon-14	14762-75-5	pCi/g	10/19/2001	10/19/2001	1	0	0	3.9	3.9	60	No	No
200-W-54	Chlorobenzene	108-90-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	216,314	No	No
200-W-54	Chloroethane	75-00-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	217,167	No	No
200-W-54	Chloromethane	74-87-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chrysene	218-01-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3,649	No	No
200-W-54	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	--	No	No
200-W-54	Cobalt-60	10198-40-0	pCi/g	10/19/2001	10/19/2001	1	0	0	0.044	0.044	805	No	No
200-W-54	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	1	0	0	450	450	--	No	No
200-W-54	Dibenz(a,h)anthracene	53-70-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3,540	No	No
200-W-54	Dibenzofuran	132-64-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
200-W-54	Dibromochloromethane	124-48-1	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	--	No	No
200-W-54	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dimethyl phthalate	131-11-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-octylphthalate	117-84-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Ethylbenzene	100-41-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	183,000	No	No
200-W-54	Europium-152	14683-23-9	pCi/g	10/19/2001	10/19/2001	1	0	0	0.1	0.10	1,740	No	No
200-W-54	Europium-154	15585-10-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.14	0.14	1,610	No	No
200-W-54	Europium-155	14391-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.11	0.11	33,400	No	No
200-W-54	Fluoranthene	206-44-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	2,544	No	No
200-W-54	Fluorene	86-73-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	44,591	No	No
200-W-54	Hexachlorobenzene	118-74-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorobutadiene	87-68-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorocyclopentadiene	77-47-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachloroethane	67-72-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	2,896	No	No
200-W-54	Isophorone	78-59-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Naphthalene	91-20-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	36,921	No	No
200-W-54	Neptunium-237	13994-20-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.06	0.060	8,140	No	No
200-W-54	Nickel-63	13981-37-8	pCi/g	10/19/2001	10/19/2001	1	0	0	2.1	2.1	--	No	No
200-W-54	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	1	0	0	1290	1,290	--	No	No
200-W-54	Nitrobenzene	98-95-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodiphenylamine	86-30-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Pentachlorophenol	87-86-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Phenanthrene	85-01-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	235,761	No	No
200-W-54	Phenol	108-95-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Plutonium-238	13981-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	56,200	No	No
200-W-54	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	60,300	No	No
200-W-54	Pyrene	129-00-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3,882	No	No
200-W-54	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Strontium-90	10098-97-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.33	0.33	302	No	No
200-W-54	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	--	No	No
200-W-54	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	1	0	0	36000	36,000	--	No	No
200-W-54	Technetium-99	14133-76-7	pCi/g	10/19/2001	10/19/2001	1	0	0	0.41	0.41	11,500	No	No
200-W-54	Tetrachloroethene	127-18-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	215,722	No	No
200-W-54	Toluene	108-88-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	512,000	No	No
200-W-54	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	10/19/2001	1	0	0	12300	12,300	2.00E+08	No	No
200-W-54	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	10/19/2001	1	0	0	2000	2,000	--	No	No
200-W-54	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	10/19/2001	1	0	0	12300	12,300	2.00E+08	No	No
200-W-54	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	--	No	No
200-W-54	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Trichloroethene	79-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	216,766	No	No
200-W-54	Tritium	10028-17-8	pCi/g	10/19/2001	10/19/2001	1	0	0	0.1	0.10	1,280	No	No
200-W-54	Uranium-235	15117-96-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.18	0.18	7,810	No	No
200-W-54	Vinyl chloride	75-01-4	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Xylenes (total)	1330-20-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5	5.0	175,000	No	No
207-A-South	1,1,1-Trichloroethane	71-55-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	216,690	No	No
207-A-South	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	216,665	No	No
207-A-South	1,1,2-Trichloroethane	79-00-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	217,230	No	No
207-A-South	1,1-Dichloroethane	75-34-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	217,360	No	No
207-A-South	1,1-Dichloroethene	75-35-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	217,020	No	No
207-A-South	1,2,4-Trichlorobenzene	120-82-1	ug/kg	9/10/2003	9/10/2003	3	0	0	300	300	--	No	No
207-A-South	1,2-Dichlorobenzene	95-50-1	ug/kg	9/10/2003	9/10/2003	3	0	0	370	370	90,993	No	No
207-A-South	1,2-Dichloroethane	107-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	221,876	No	No
207-A-South	1,2-Dichloroethene (Total)	540-59-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	1,2-Dichloropropane	78-87-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	1,3-Dichlorobenzene	541-73-1	ug/kg	9/10/2003	9/10/2003	3	0	0	330	330	95,925	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
207-A-South	1,4-Dichlorobenzene	106-46-7	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	1-Butanol	71-36-3	ug/kg	9/10/2003	9/10/2003	3	0	0	41	41	--	No	No
207-A-South	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	2,4,5-Trichlorophenol	95-95-4	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	2,4,6-Trichlorophenol	88-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	2,4-Dichlorophenol	120-83-2	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	2,4-Dimethylphenol	105-67-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-Dinitrophenol	51-28-5	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	2,4-Dinitrotoluene	121-14-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	301	No	No
207-A-South	2,6-Dinitrotoluene	606-20-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	1.04E+06	No	No
207-A-South	2-Butoxyethanol	111-76-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	2-Chloronaphthalene	91-58-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	3	0	0	150	150	--	No	No
207-A-South	2-Hexanone	591-78-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	548,266	No	No
207-A-South	2-Methylnaphthalene	91-57-6	ug/kg	9/10/2003	9/10/2003	3	0	0	180	190	5,687	No	No
207-A-South	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	9/10/2003	11/12/2015	27	0	0	34	113	--	No	No
207-A-South	2-Nitroaniline	88-74-4	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Nitrophenol	88-75-5	ug/kg	9/10/2003	9/10/2003	3	0	0	180	180	--	No	No
207-A-South	2-Pentanone	107-87-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	3,3'-Dichlorobenzidine	91-94-1	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	9/10/2003	11/12/2015	27	0	0	69	120	--	No	No
207-A-South	3-Nitroaniline	99-09-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	4-Bromophenylphenyl ether	101-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloroaniline	106-47-8	ug/kg	9/10/2003	9/10/2003	3	0	0	95	96	--	No	No
207-A-South	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Methyl-2-pentanone	108-10-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	4-Nitroaniline	100-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	4-Nitrophenol	100-02-7	ug/kg	9/10/2003	9/10/2003	3	0	0	660	670	--	No	No
207-A-South	Acenaphthene	83-32-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	284,900	No	No
207-A-South	Acenaphthylene	208-96-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	18,588	No	No
207-A-South	Acetone	67-64-1	ug/kg	9/10/2003	11/12/2015	27	0	0	2	4.0	--	No	No
207-A-South	Aldrin	309-00-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	80	No	No
207-A-South	Alpha-BHC	319-84-6	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Alpha-Chlordane	5103-71-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	3	0	0	258	258	--	No	No
207-A-South	Anthracene	120-12-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	169,718	No	No
207-A-South	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4860	4,930	--	No	No
207-A-South	Aroclor-1016	12674-11-2	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	641	No	No
207-A-South	Aroclor-1221	11104-28-2	ug/kg	9/10/2003	9/10/2003	3	0	0	99	100	606	No	No
207-A-South	Aroclor-1232	11141-16-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	592	No	No
207-A-South	Aroclor-1242	53469-21-9	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	652	No	No
207-A-South	Aroclor-1248	12672-29-6	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	650	No	No
207-A-South	Aroclor-1254	11097-69-1	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	653	No	No
207-A-South	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	660	No	No
207-A-South	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2910	2,960	1.46E+06	No	No
207-A-South	Benzene	71-43-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	513,000	No	No
207-A-South	Benzo(a)anthracene	56-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	5,211	No	No
207-A-South	Benzo(a)pyrene	50-32-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	5,969	No	No
207-A-South	Benzo(b)fluoranthene	205-99-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3,042	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
207-A-South	Benzo(ghi)perylene	191-24-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	2,636	No	No
207-A-South	Benzo(k)fluoranthene	207-08-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3,250	No	No
207-A-South	Benzyl alcohol	100-51-6	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2910	2,960	--	No	No
207-A-South	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	3,646	No	No
207-A-South	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	9/10/2003	9/10/2003	3	0	0	260	260	--	No	No
207-A-South	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	9/10/2003	9/10/2003	3	0	0	120	120	--	No	No
207-A-South	Bis(2-chloroethyl) ether	111-44-4	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	3	0	0	570	580	352	Yes	Yes
207-A-South	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	3	0	0	4970	5,000	--	No	No
207-A-South	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	3	0	0	5070	5,100	20,000	No	No
207-A-South	Bromodichloromethane	75-27-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	Bromoform	75-25-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	Bromomethane	74-83-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	2,770	No	No
207-A-South	Carbazole	86-74-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	Carbon disulfide	75-15-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	Carbon tetrachloride	56-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	216,299	No	No
207-A-South	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	3.8	60	No	No
207-A-South	Chlorobenzene	108-90-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	216,314	No	No
207-A-South	Chloroethane	75-00-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	217,167	No	No
207-A-South	Chloromethane	74-87-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2910	2,960	96,500	No	No
207-A-South	Chrysene	218-01-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3,649	No	No
207-A-South	cis-1,3-Dichloropropene	10061-01-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	3	0	0	200	200	--	No	No
207-A-South	Dalapon	75-99-0	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Delta-BHC	319-86-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Dibenz(a,h)anthracene	53-70-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3,540	No	No
207-A-South	Dibenzofuran	132-64-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dibromochloromethane	124-48-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	Dicamba	1918-00-9	ug/kg	9/3/2003	9/4/2003	5	0	0	70	75	--	No	No
207-A-South	Dichloroprop	120-36-5	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Dieldrin	60-57-1	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	62	No	No
207-A-South	Diethyl ether	60-29-7	ug/kg	9/10/2003	9/10/2003	3	0	0	5000	5,000	--	No	No
207-A-South	Dimethyl phthalate	131-11-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	3	0	0	89	89	--	No	No
207-A-South	Di-n-octylphthalate	117-84-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Endosulfan I	959-98-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	1,200	No	No
207-A-South	Endosulfan II	33213-65-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	66,316	No	No
207-A-South	Endosulfan sulfate	1031-07-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	44	No	No
207-A-South	Endrin aldehyde	7421-93-4	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	520	No	No
207-A-South	Endrin ketone	53494-70-5	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin	72-20-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Ethylbenzene	100-41-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	183,000	No	No
207-A-South	Ethylene glycol	107-21-1	ug/kg	9/10/2003	9/10/2003	3	0	0	5000	5,000	--	No	No
207-A-South	Fluoranthene	206-44-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	2,544	No	No
207-A-South	Fluorene	86-73-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	44,591	No	No
207-A-South	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	3	0	0	350	350	2.81E+06	No	No
207-A-South	Gamma-BHC (Lindane)	58-89-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor epoxide	1024-57-3	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor	76-44-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Hexachlorobenzene	118-74-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Hexachlorobutadiene	87-68-3	ug/kg	9/10/2003	9/10/2003	3	0	0	370	380	--	No	No
207-A-South	Hexachlorocyclopentadiene	77-47-4	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No

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207-A-South	Hexachloroethane	67-72-1	ug/kg	9/10/2003	9/10/2003	3	0	0	480	480	--	No	No
207-A-South	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/10/2003	12	0	0	410	450	--	No	No
207-A-South	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	2,896	No	No
207-A-South	Iodine-129	15046-84-1	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	12	--	No	No
207-A-South	Isophorone	78-59-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	3	0	0	11700	11,800	48,740	No	No
207-A-South	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	31,650	No	No
207-A-South	Methanol	67-56-1	ug/kg	9/10/2003	9/10/2003	3	0	0	1000	1,000	--	No	No
207-A-South	Methoxychlor	72-43-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Methylene chloride	75-09-2	ug/kg	9/10/2003	11/12/2015	27	0	0	1.34	6.7	217,953	No	No
207-A-South	Naphthalene	91-20-3	ug/kg	9/10/2003	9/10/2003	3	0	0	290	290	36,921	No	No
207-A-South	n-Butylbenzene	104-51-8	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	263,000	No	No
207-A-South	Neptunium-237	13994-20-2	pCi/g	9/3/2003	9/10/2003	12	0	0	0.017	0.29	8,140	No	No
207-A-South	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4860	6,500	79,400	No	No
207-A-South	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/10/2003	12	0	0	2.3	2.8	--	No	No
207-A-South	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	3	0	0	1480	1,480	--	No	No
207-A-South	Nitrobenzene	98-95-3	ug/kg	9/10/2003	9/10/2003	3	0	0	270	270	--	No	No
207-A-South	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	n-Nitrosodiphenylamine	86-30-6	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Oil and grease	OIL/GREASE	ug/kg	9/3/2003	9/10/2003	12	0	0	680000	748,000	--	No	No
207-A-South	Pentachlorophenol	87-86-5	ug/kg	9/10/2003	9/10/2003	3	0	0	310	310	--	No	No
207-A-South	Phenanthrene	85-01-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	235,761	No	No
207-A-South	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	3	0	0	1990	1,990	--	No	No
207-A-South	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3,882	No	No
207-A-South	Ruthenium-103	13968-53-1	pCi/g	9/10/2003	9/10/2003	3	0	0	0.009	0.015	--	No	No
207-A-South	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2910	2,960	2,400	Yes	Yes
207-A-South	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/10/2003	12	0	0	0.44	0.61	11,500	No	No
207-A-South	Tetrachloroethene	127-18-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	215,722	No	No
207-A-South	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	3	0	0	0.09	0.20	--	No	No
207-A-South	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	512,000	No	No
207-A-South	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	3	0	0	3800	3,900	2.00E+08	No	No
207-A-South	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	9/10/2003	9/10/2003	3	0	0	3800	3,900	2.00E+08	No	No
207-A-South	Toxaphene	8001-35-2	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	trans-1,3-Dichloropropene	10061-02-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	trans-Chlordane	5103-74-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Trichloroethene	79-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	216,766	No	No
207-A-South	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	339,000	No	No
207-A-South	Vinyl chloride	75-01-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	--	No	No
207-A-South	Xylenes (total)	1330-20-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2	2.1	175,000	No	No
207-T	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	216,690	No	No
207-T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	216,665	No	No
207-T	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	217,230	No	No
207-T	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	217,360	No	No
207-T	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	217,020	No	No
207-T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	90,993	No	No
207-T	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	221,876	No	No
207-T	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	--	No	No
207-T	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	--	No	No
207-T	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	95,925	No	No
207-T	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
207-T	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	301	Yes	Yes
207-T	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Butanone	78-93-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	1.04E+06	No	No
207-T	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Hexanone	591-78-6	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	548,266	No	No
207-T	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	5,687	No	No
207-T	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Acenaphthene	83-32-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	284,900	No	No
207-T	Acenaphthylene	208-96-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	18,588	No	No
207-T	Americium-241	14596-10-2	pCi/g	8/7/2000	11/30/2000	6	0	0	0.05	0.21	24,900	No	No
207-T	Anthracene	120-12-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	169,718	No	No
207-T	Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0	0.028	0.034	--	No	No
207-T	Benzene	71-43-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	513,000	No	No
207-T	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	5,211	No	No
207-T	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	5,969	No	No
207-T	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3,042	No	No
207-T	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	2,636	No	No
207-T	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3,250	No	No
207-T	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	--	No	No
207-T	Bromoform	75-25-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	--	No	No
207-T	Bromomethane	74-83-9	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Cadmium	7440-43-9	ug/kg	8/7/2000	11/30/2000	3	0	0	30	30	2,770	No	No
207-T	Carbazole	86-74-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Carbon disulfide	75-15-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	--	No	No
207-T	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	216,299	No	No
207-T	Chlorobenzene	108-90-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	216,314	No	No
207-T	Chloroethane	75-00-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chloroform	67-66-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	217,167	No	No
207-T	Chloromethane	74-87-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chrysene	218-01-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3,649	No	No
207-T	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	--	No	No
207-T	Cyanide	57-12-5	ug/kg	8/7/2000	11/30/2000	3	0	0	490	540	--	No	No
207-T	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3,540	No	No
207-T	Dibenzofuran	132-64-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	--	No	No
207-T	Diethylphthalate	84-66-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
207-T	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Ethylbenzene	100-41-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	183,000	No	No
207-T	Fluoranthene	206-44-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	2,544	No	No
207-T	Fluorene	86-73-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	44,591	No	No
207-T	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachloroethane	67-72-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	2,896	No	No
207-T	Iodine-129	15046-84-1	pCi/g	8/7/2000	11/30/2000	6	0	0	1.2	3.8	--	No	No
207-T	Isophorone	78-59-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Mercury	7439-97-6	ug/kg	8/7/2000	11/30/2000	3	0	0	20	20	31,650	No	No
207-T	Naphthalene	91-20-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	36,921	No	No
207-T	Nitrobenzene	98-95-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Phenanthrene	85-01-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	235,761	No	No
207-T	Pyrene	129-00-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3,882	No	No
207-T	Selenium	7782-49-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	440	2,400	No	No
207-T	Silver	7440-22-4	ug/kg	8/7/2000	11/30/2000	3	0	0	100	110	12,757	No	No
207-T	Styrene	100-42-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	--	No	No
207-T	Sulfide	18496-25-8	ug/kg	8/7/2000	11/30/2000	3	0	0	37700	40,300	--	No	No
207-T	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	215,722	No	No
207-T	Toluene	108-88-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	512,000	No	No
207-T	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	--	No	No
207-T	Trichloroethene	79-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	216,766	No	No
207-T	Vinyl chloride	75-01-4	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6	6.0	175,000	No	No
216-A-34	1,1-Dichloroethene	75-35-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2	2.0	217,020	No	No
216-A-34	1,2,4-Trichlorobenzene	120-82-1	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	--	No	No
216-A-34	1,2-Dichlorobenzene	95-50-1	ug/kg	4/4/2003	4/4/2003	1	0	0	370	370	90,993	No	No
216-A-34	1,3-Dichlorobenzene	541-73-1	ug/kg	4/4/2003	4/4/2003	1	0	0	330	330	95,925	No	No
216-A-34	1,4-Dichlorobenzene	106-46-7	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	1-Butanol	71-36-3	ug/kg	4/4/2003	4/4/2003	1	0	0	20	20	--	No	No
216-A-34	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	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	0	17	17	--	No	No
216-A-34	2,4,5-Trichlorophenol	95-95-4	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4,6-Trichlorophenol	88-06-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	4/4/2003	1	0	0	34	34	--	No	No
216-A-34	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	2,4-Dichlorophenol	120-83-2	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2,4-Dimethylphenol	105-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-Dinitrophenol	51-28-5	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4-Dinitrotoluene	121-14-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	301	No	No
216-A-34	2,6-Dinitrotoluene	606-20-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	2-Chloronaphthalene	91-58-7	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	0	150	150	--	No	No
216-A-34	2-Methylnaphthalene	91-57-6	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	5,687	No	No
216-A-34	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitroaniline	88-74-4	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitrophenol	88-75-5	ug/kg	4/4/2003	4/4/2003	1	0	0	180	180	--	No	No
216-A-34	3,3'-Dichlorobenzidine	91-94-1	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	3-Nitroaniline	99-09-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
216-A-34	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	4-Bromophenylphenyl ether	101-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloroaniline	106-47-8	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	--	No	No
216-A-34	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Nitroaniline	100-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	4-Nitrophenol	100-02-7	ug/kg	4/4/2003	4/4/2003	1	0	0	670	670	--	No	No
216-A-34	Acenaphthene	83-32-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	284,900	No	No
216-A-34	Acenaphthylene	208-96-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	18,588	No	No
216-A-34	Aldrin	309-00-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	80	No	No
216-A-34	Alpha-BHC	319-84-6	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Anthracene	120-12-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	169,718	No	No
216-A-34	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	0	239	239	--	No	No
216-A-34	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0	0.036	0.036	4,580	No	No
216-A-34	Benzene	71-43-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2	2.0	513,000	No	No
216-A-34	Benzo(a)anthracene	56-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	5,211	No	No
216-A-34	Benzo(a)pyrene	50-32-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	5,969	No	No
216-A-34	Benzo(b)fluoranthene	205-99-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3,042	No	No
216-A-34	Benzo(ghi)perylene	191-24-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	2,636	No	No
216-A-34	Benzo(k)fluoranthene	207-08-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3,250	No	No
216-A-34	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	3,646	No	No
216-A-34	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	4/4/2003	4/4/2003	1	0	0	260	260	--	No	No
216-A-34	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	Bis(2-chloroethyl) ether	111-44-4	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	0	6770	6,770	--	No	No
216-A-34	Bromide	24959-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	900	900	--	No	No
216-A-34	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Carbazole	86-74-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	0	1.9	1.9	60	No	No
216-A-34	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.017	0.017	1,190	No	No
216-A-34	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.014	0.014	2,700	No	No
216-A-34	Chlorobenzene	108-90-7	ug/kg	4/4/2003	4/4/2003	1	0	0	2	2.0	216,314	No	No
216-A-34	Chrysene	218-01-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3,649	No	No
216-A-34	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0	0.012	0.012	805	No	No
216-A-34	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dalapon	75-99-0	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Delta-BHC	319-86-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Dibenz(a,h)anthracene	53-70-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3,540	No	No
216-A-34	Dibenzofuran	132-64-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dicamba	1918-00-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dichloroprop	120-36-5	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Dieldrin	60-57-1	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	62	No	No
216-A-34	Diethyl ether	60-29-7	ug/kg	4/4/2003	4/4/2003	1	0	0	5000	5,000	--	No	No
216-A-34	Diethylphthalate	84-66-2	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dimethyl phthalate	131-11-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	89	89	--	No	No
216-A-34	Di-n-octylphthalate	117-84-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Endosulfan I	959-98-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	1,200	No	No
216-A-34	Endosulfan II	33213-65-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	66,316	No	No
216-A-34	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	44	No	No
216-A-34	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	520	No	No
216-A-34	Endrin ketone	53494-70-5	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin	72-20-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Ethylene glycol	107-21-1	ug/kg	4/4/2003	4/4/2003	1	0	0	5000	5,000	--	No	No
216-A-34	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.04	0.040	1,740	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
216-A-34	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.038	0.038	1,610	No	No
216-A-34	Fluoranthene	206-44-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	2,544	No	No
216-A-34	Fluorene	86-73-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	44,591	No	No
216-A-34	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor	76-44-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Hexachlorobenzene	118-74-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Hexachlorobutadiene	87-68-3	ug/kg	4/4/2003	4/4/2003	1	0	0	380	380	--	No	No
216-A-34	Hexachlorocyclopentadiene	77-47-4	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	Hexachloroethane	67-72-1	ug/kg	4/4/2003	4/4/2003	1	0	0	480	480	--	No	No
216-A-34	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	0	420	420	--	No	No
216-A-34	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	2,896	No	No
216-A-34	Iodine-129	15046-84-1	pCi/g	4/4/2003	4/4/2003	1	0	0	2.4	2.4	--	No	No
216-A-34	Isophorone	78-59-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	0	47.8	48	31,650	No	No
216-A-34	Methanol	67-56-1	ug/kg	4/4/2003	4/4/2003	1	0	0	1000	1,000	--	No	No
216-A-34	Methoxychlor	72-43-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Molybdenum	7439-98-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1430	1,430	12,000	No	No
216-A-34	Naphthalene	91-20-3	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	36,921	No	No
216-A-34	Neptunium-237	13994-20-2	pCi/g	4/4/2003	4/4/2003	1	0	0	0.092	0.092	8,140	No	No
216-A-34	Nitrite	14797-65-0	ug/kg	4/4/2003	4/4/2003	1	0	0	591	591	--	No	No
216-A-34	Nitrobenzene	98-95-3	ug/kg	4/4/2003	4/4/2003	1	0	0	270	270	--	No	No
216-A-34	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	n-Nitrosodiphenylamine	86-30-6	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	4/4/2003	1	0	0	694000	694,000	--	No	No
216-A-34	Pentachlorophenol	87-86-5	ug/kg	4/4/2003	4/4/2003	1	0	0	310	310	--	No	No
216-A-34	Phenanthrene	85-01-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	235,761	No	No
216-A-34	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.28	0.28	56,200	No	No
216-A-34	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3,882	No	No
216-A-34	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.013	0.013	--	No	No
216-A-34	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.12	0.12	--	No	No
216-A-34	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1430	1,430	2,400	No	No
216-A-34	Silver	7440-22-4	ug/kg	4/4/2003	4/4/2003	1	0	0	95.6	96	12,757	No	No
216-A-34	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0	0.58	0.58	11,500	No	No
216-A-34	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0	0.2	0.20	--	No	No
216-A-34	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2	2.0	512,000	No	No
216-A-34	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	4/4/2003	4/4/2003	1	0	0	5000	5,000	2.00E+08	No	No
216-A-34	Toxaphene	8001-35-2	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Trichloroethene	79-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2	2.0	216,766	No	No
216-A-34	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0	0.17	0.17	1,280	No	No
UPR-200-E-64	Cadmium	7440-43-9	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	2,770	No	No
UPR-200-E-64	Cobalt-60	10198-40-0	pCi/g	2/11/2008	2/12/2008	2	0	0	0.013	0.064	805	No	No
UPR-200-E-64	Europium-152	14683-23-9	pCi/g	2/11/2008	2/12/2008	2	0	0	0.036	0.98	1,740	No	No
UPR-200-E-64	Europium-155	14391-16-3	pCi/g	2/11/2008	2/12/2008	2	0	0	0.053	1.1	33,400	No	No
UPR-200-E-64	Fluoride	16984-48-8	ug/kg	2/11/2008	2/12/2008	2	0	0	294	300	2.81E+06	No	No
UPR-200-E-64	Neptunium-237	13994-20-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.038	0.043	8,140	No	No
UPR-200-E-64	Nickel-63	13981-37-8	pCi/g	2/11/2008	2/12/2008	2	0	0	3.35	6.3	--	No	No
UPR-200-E-64	Nitrite	14797-65-0	ug/kg	2/11/2008	2/12/2008	2	0	0	1610	1,640	--	No	No
UPR-200-E-64	Silver	7440-22-4	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	12,757	No	No
UPR-200-E-64	Strontium-90	10098-97-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.48	12	302	No	No
UPR-200-E-64	Technetium-99	14133-76-7	pCi/g	2/11/2008	2/12/2008	2	0	0	0.393	0.74	11,500	No	No
UPR-200-E-64	Tritium	10028-17-8	pCi/g	2/11/2008	2/12/2008	2	0	0	3.97	4.2	1,280	No	No
UPR-200-E-89	1,1,1-Trichloroethane	71-55-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	216,690	No	No
UPR-200-E-89	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	216,665	No	No
UPR-200-E-89	1,1,2-Trichloroethane	79-00-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	217,230	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
UPR-200-E-89	1,1-Dichloroethane	75-34-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	217,360	No	No
UPR-200-E-89	1,1-Dichloroethene	75-35-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	217,020	No	No
UPR-200-E-89	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,2,4-Trichlorobenzene	120-82-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,2-Dichlorobenzene	95-50-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	90,993	No	No
UPR-200-E-89	1,2-Dichloroethane	107-06-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	221,876	No	No
UPR-200-E-89	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	--	No	No
UPR-200-E-89	1,2-Dichloropropane	78-87-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	--	No	No
UPR-200-E-89	1,3-Dichlorobenzene	541-73-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	95,925	No	No
UPR-200-E-89	1,4-Dichlorobenzene	106-46-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10.3	11	--	No	No
UPR-200-E-89	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4,5-Trichlorophenol	95-95-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4,6-Trichlorophenol	88-06-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dichlorophenol	120-83-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dimethylphenol	105-67-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrophenol	51-28-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrotoluene	121-14-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	301	No	No
UPR-200-E-89	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,6-Dinitrotoluene	606-20-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Butanone	78-93-3	ug/kg	10/22/2015	10/22/2015	2	0	0	1.78	2.0	1.04E+06	No	No
UPR-200-E-89	2-Chloronaphthalene	91-58-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	--	No	No
UPR-200-E-89	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Hexanone	591-78-6	ug/kg	10/22/2015	10/22/2015	2	0	0	1.78	2.0	548,266	No	No
UPR-200-E-89	2-Methylnaphthalene	91-57-6	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	5,687	No	No
UPR-200-E-89	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Nitroaniline	88-74-4	ug/kg	7/16/2015	10/22/2015	9	0	0	114	116	--	No	No
UPR-200-E-89	2-Nitrophenol	88-75-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dichlorobenzidine	91-94-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Nitroaniline	99-09-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	4-Bromophenylphenyl ether	101-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	10/22/2015	9	0	0	138	141	--	No	No
UPR-200-E-89	4-Chloroaniline	106-47-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Methyl-2-pentanone	108-10-1	ug/kg	10/22/2015	10/22/2015	2	0	0	1.78	2.0	--	No	No
UPR-200-E-89	4-Nitroaniline	100-01-6	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitrophenol	100-02-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Acenaphthene	83-32-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	284,900	No	No
UPR-200-E-89	Acenaphthylene	208-96-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	18,588	No	No
UPR-200-E-89	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122	--	No	No
UPR-200-E-89	Americium-241	14596-10-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.162	0.47	24,900	No	No
UPR-200-E-89	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Anthracene	120-12-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	169,718	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
UPR-200-E-89	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Aroclor-1016	12674-11-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.43	3.5	641	No	No
UPR-200-E-89	Aroclor-1221	11104-28-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.43	3.5	606	No	No
UPR-200-E-89	Aroclor-1232	11141-16-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.43	3.5	592	No	No
UPR-200-E-89	Aroclor-1242	53469-21-9	ug/kg	10/22/2015	10/22/2015	2	0	0	3.43	3.5	652	No	No
UPR-200-E-89	Aroclor-1248	12672-29-6	ug/kg	10/22/2015	10/22/2015	2	0	0	3.43	3.5	650	No	No
UPR-200-E-89	Aroclor-1254	11097-69-1	ug/kg	10/22/2015	10/22/2015	2	0	0	3.43	3.5	653	No	No
UPR-200-E-89	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.43	3.5	660	No	No
UPR-200-E-89	Aroclor-1262	37324-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.43	3.5	--	No	No
UPR-200-E-89	Aroclor-1268	11100-14-4	ug/kg	10/22/2015	10/22/2015	2	0	0	3.43	3.5	--	No	No
UPR-200-E-89	Benzene	71-43-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	513,000	No	No
UPR-200-E-89	Benzo(a)anthracene	56-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	5,211	No	No
UPR-200-E-89	Benzo(a)pyrene	50-32-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	5,969	No	No
UPR-200-E-89	Benzo(b)fluoranthene	205-99-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	3,042	No	No
UPR-200-E-89	Benzo(ghi)perylene	191-24-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	2,636	No	No
UPR-200-E-89	Benzo(k)fluoranthene	207-08-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	3,250	No	No
UPR-200-E-89	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175	--	No	No
UPR-200-E-89	Benzyl alcohol	100-51-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloroethyl) ether	111-44-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bismuth	7440-69-9	ug/kg	7/16/2015	7/21/2015	2	0	0	90.8	103	--	No	No
UPR-200-E-89	Bromodichloromethane	75-27-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	--	No	No
UPR-200-E-89	Bromoform	75-25-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	--	No	No
UPR-200-E-89	Bromomethane	74-83-9	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	--	No	No
UPR-200-E-89	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Carbazole	86-74-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	--	No	No
UPR-200-E-89	Carbon disulfide	75-15-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.949	1.1	--	No	No
UPR-200-E-89	Carbon tetrachloride	56-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	216,299	No	No
UPR-200-E-89	Carbon-14	14762-75-5	pCi/g	7/16/2015	10/22/2015	8	0	0	2.45	4.4	60	No	No
UPR-200-E-89	Chlorobenzene	108-90-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	216,314	No	No
UPR-200-E-89	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Chloroethane	75-00-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	--	No	No
UPR-200-E-89	Chloroform	67-66-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	217,167	No	No
UPR-200-E-89	Chloromethane	74-87-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	--	No	No
UPR-200-E-89	Chrysene	218-01-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	3,649	No	No
UPR-200-E-89	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	--	No	No
UPR-200-E-89	Cobalt-60	10198-40-0	pCi/g	4/29/2008	10/22/2015	3	0	0	0.0418	0.16	805	No	No
UPR-200-E-89	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dibenz(a,h)anthracene	53-70-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	3,540	No	No
UPR-200-E-89	Dibenzofuran	132-64-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dibromochloromethane	124-48-1	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	--	No	No
UPR-200-E-89	Diethylphthalate	84-66-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dimethyl phthalate	131-11-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Di-n-octylphthalate	117-84-0	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethylbenzene	100-41-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	183,000	No	No
UPR-200-E-89	Europium-152	14683-23-9	pCi/g	4/29/2008	10/22/2015	3	0	0	0.108	0.72	1,740	No	No
UPR-200-E-89	Europium-154	15585-10-1	pCi/g	4/29/2008	10/22/2015	3	0	0	0.113	0.48	1,610	No	No
UPR-200-E-89	Europium-155	14391-16-3	pCi/g	4/29/2008	10/22/2015	3	0	0	0.101	0.86	33,400	No	No
UPR-200-E-89	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Fluoranthene	206-44-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	2,544	No	No
UPR-200-E-89	Fluorene	86-73-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	44,591	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
UPR-200-E-89	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	0	6.38	6.4	--	No	No
UPR-200-E-89	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	0	14.9	15	--	No	No
UPR-200-E-89	Hexachlorobenzene	118-74-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorobutadiene	87-68-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorocyclopentadiene	77-47-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachloroethane	67-72-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4000	4,050	--	No	No
UPR-200-E-89	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	2,896	No	No
UPR-200-E-89	Iodine-129	15046-84-1	pCi/g	10/1/2015	10/22/2015	3	0	0	1.2	1.8	--	No	No
UPR-200-E-89	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	68.9	70	--	No	No
UPR-200-E-89	Isophorone	78-59-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Mercury	7439-97-6	ug/kg	7/16/2015	10/22/2015	4	0	0	3.82	4.0	31,650	No	No
UPR-200-E-89	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methylene chloride	75-09-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.949	1.1	217,953	No	No
UPR-200-E-89	Naphthalene	91-20-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	36,921	No	No
UPR-200-E-89	Neptunium-237	13994-20-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.211	0.69	8,140	No	No
UPR-200-E-89	Nickel-63	13981-37-8	pCi/g	7/16/2015	10/22/2015	9	0	0	11.8	18	--	No	No
UPR-200-E-89	Nitrite	14797-65-0	ug/kg	4/29/2008	10/22/2015	10	0	0	1010	1,140	--	No	No
UPR-200-E-89	Nitrobenzene	98-95-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomorpholine	59-89-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorophenol	87-86-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Phenanthrene	85-01-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	235,761	No	No
UPR-200-E-89	Phenol	108-95-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Plutonium-238	13981-16-3	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.62	56,200	No	No
UPR-200-E-89	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	10/22/2015	9	0	0	0.39	0.75	60,300	No	No
UPR-200-E-89	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3440	3,490	--	No	No
UPR-200-E-89	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pyrene	129-00-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10.3	11	3,882	No	No
UPR-200-E-89	Pyridine	110-86-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Styrene	100-42-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	--	No	No
UPR-200-E-89	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Technetium-99	14133-76-7	pCi/g	7/16/2015	10/22/2015	6	0	0	9.53	12	11,500	No	No
UPR-200-E-89	Tetrachloroethene	127-18-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	215,722	No	No
UPR-200-E-89	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
UPR-200-E-89	Total cresols	1319-77-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	0	200000	200,000	--	No	No
UPR-200-E-89	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	7/16/2015	10/22/2015	8	0	0	1150	1,170	2.00E+08	No	No
UPR-200-E-89	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	--	No	No
UPR-200-E-89	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Trichloroethene	79-01-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	216,766	No	No
UPR-200-E-89	Tritium	10028-17-8	pCi/g	7/16/2015	10/22/2015	9	0	0	14.2	28	1,280	No	No
UPR-200-E-89	Uranium-235	15117-96-1	pCi/g	7/16/2015	10/22/2015	9	0	0	0.185	0.88	7,810	No	No
UPR-200-E-89	Vinyl chloride	75-01-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	--	No	No
UPR-200-E-89	Xylenes (total)	1330-20-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.178	0.20	175,000	No	No
UPR-200-W-99	1,1,1-Trichloroethane	71-55-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	216,690	No	No
UPR-200-W-99	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	216,665	No	No
UPR-200-W-99	1,1,2-Trichloroethane	79-00-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	217,230	No	No
UPR-200-W-99	1,1-Dichloroethane	75-34-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	217,360	No	No
UPR-200-W-99	1,1-Dichloroethene	75-35-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	217,020	No	No
UPR-200-W-99	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	--	No	No
UPR-200-W-99	1,2-Dichlorobenzene	95-50-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	90,993	No	No
UPR-200-W-99	1,2-Dichloroethane	107-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	221,876	No	No
UPR-200-W-99	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	--	No	No
UPR-200-W-99	1,2-Dichloropropane	78-87-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	--	No	No
UPR-200-W-99	1,3-Dichlorobenzene	541-73-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	95,925	No	No
UPR-200-W-99	1,4-Dichlorobenzene	106-46-7	ug/kg	8/22/2000	5/12/2009	3	0	0	260	380	--	No	No
UPR-200-W-99	1-Butanol	71-36-3	ug/kg	10/28/2002	10/28/2002	1	0	0	26000	26,000	--	No	No
UPR-200-W-99	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dichlorophenol	120-83-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dimethylphenol	105-67-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dinitrophenol	51-28-5	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4-Dinitrotoluene	121-14-2	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	301	No	Yes
UPR-200-W-99	2,6-Dinitrotoluene	606-20-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Chloronaphthalene	91-58-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Hexanone	591-78-6	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	548,266	No	No
UPR-200-W-99	2-Methylnaphthalene	91-57-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	5,687	No	No
UPR-200-W-99	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Nitroaniline	88-74-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2-Nitrophenol	88-75-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/22/2000	8/22/2000	1	0	0	340	340	--	No	No
UPR-200-W-99	3-Nitroaniline	99-09-2	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chloroaniline	106-47-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Methyl-2-pentanone	108-10-1	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	4-Nitroaniline	100-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Nitrophenol	100-02-7	ug/kg	8/22/2000	5/12/2009	3	0	0	340	960	--	No	No
UPR-200-W-99	Acenaphthene	83-32-9	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	284,900	No	No
UPR-200-W-99	Acenaphthylene	208-96-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	18,588	No	No
UPR-200-W-99	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	1	0	0	3650	3,650	--	No	No
UPR-200-W-99	Anthracene	120-12-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	169,718	No	No
UPR-200-W-99	Antimony	7440-36-0	ug/kg	10/28/2002	10/28/2002	1	0	0	190	190	--	No	No
UPR-200-W-99	Antimony-125	14234-35-6	pCi/g	10/28/2002	5/12/2009	2	0	0	0.03	0.22	4,580	No	No
UPR-200-W-99	Aroclor-1016	12674-11-2	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	641	No	No
UPR-200-W-99	Aroclor-1221	11104-28-2	ug/kg	10/28/2002	5/12/2009	2	0	0	20	77	606	No	No
UPR-200-W-99	Aroclor-1232	11141-16-5	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	592	No	No
UPR-200-W-99	Aroclor-1242	53469-21-9	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	652	No	No
UPR-200-W-99	Aroclor-1248	12672-29-6	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	650	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
UPR-200-W-99	Aroclor-1254	11097-69-1	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	653	No	No
UPR-200-W-99	Aroclor-1262	37324-23-5	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Aroclor-1268	11100-14-4	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Benzene	71-43-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	513,000	No	No
UPR-200-W-99	Benzo(a)anthracene	56-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	5,211	No	No
UPR-200-W-99	Benzo(a)pyrene	50-32-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	5,969	No	No
UPR-200-W-99	Benzo(b)fluoranthene	205-99-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3,042	No	No
UPR-200-W-99	Benzo(ghi)perylene	191-24-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	2,636	No	No
UPR-200-W-99	Benzo(k)fluoranthene	207-08-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3,250	No	No
UPR-200-W-99	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bismuth	7440-69-9	ug/kg	10/28/2002	5/12/2009	2	0	0	670	2,300	--	No	No
UPR-200-W-99	Bromodichloromethane	75-27-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	--	No	No
UPR-200-W-99	Bromoform	75-25-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	--	No	No
UPR-200-W-99	Bromomethane	74-83-9	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbazole	86-74-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbon disulfide	75-15-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	--	No	No
UPR-200-W-99	Carbon tetrachloride	56-23-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	216,299	No	No
UPR-200-W-99	Cesium-134	13967-70-9	pCi/g	10/28/2002	5/12/2009	2	0	0	0.014	0.12	1,190	No	No
UPR-200-W-99	Chlorobenzene	108-90-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	216,314	No	No
UPR-200-W-99	Chloroethane	75-00-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chloroform	67-66-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	217,167	No	No
UPR-200-W-99	Chloromethane	74-87-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chrysene	218-01-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3,649	No	No
UPR-200-W-99	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	--	No	No
UPR-200-W-99	Cobalt-60	10198-40-0	pCi/g	8/22/2000	5/12/2009	4	0	0	0.01	0.10	805	No	No
UPR-200-W-99	Cyanide	57-12-5	ug/kg	8/22/2000	5/12/2009	3	0	0	200	550	--	No	No
UPR-200-W-99	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3,540	No	No
UPR-200-W-99	Dibenzofuran	132-64-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dibromochloromethane	124-48-1	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	--	No	No
UPR-200-W-99	Diethylphthalate	84-66-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dimethyl phthalate	131-11-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Di-n-octylphthalate	117-84-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Ethylbenzene	100-41-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	183,000	No	No
UPR-200-W-99	Europium-152	14683-23-9	pCi/g	8/22/2000	5/12/2009	4	0	0	0.033	0.23	1,740	No	No
UPR-200-W-99	Europium-154	15585-10-1	pCi/g	8/22/2000	5/12/2009	4	0	0	0.031	0.35	1,610	No	No
UPR-200-W-99	Europium-155	14391-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.046	0.19	33,400	No	No
UPR-200-W-99	Fluoranthene	206-44-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	2,544	No	No
UPR-200-W-99	Fluorene	86-73-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	44,591	No	No
UPR-200-W-99	Hexachlorobenzene	118-74-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorobutadiene	87-68-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachloroethane	67-72-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	2,896	No	No
UPR-200-W-99	Iodine-129	15046-84-1	pCi/g	8/22/2000	5/12/2009	3	0	0	1.3	1.7	--	No	No
UPR-200-W-99	Isophorone	78-59-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Mercury	7439-97-6	ug/kg	8/22/2000	5/12/2009	3	0	0	20	50	31,650	No	No
UPR-200-W-99	Naphthalene	91-20-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	36,921	No	No
UPR-200-W-99	Neptunium-237	13994-20-2	pCi/g	10/28/2002	5/12/2009	2	0	0	0.093	0.12	8,140	No	No
UPR-200-W-99	Nickel-63	13981-37-8	pCi/g	10/28/2002	5/12/2009	2	0	0	2.2	3.3	--	No	No
UPR-200-W-99	Nitrite	14797-65-0	ug/kg	10/28/2002	10/28/2002	1	0	0	1440	1,440	--	No	No
UPR-200-W-99	Nitrobenzene	98-95-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Pentachlorophenol	87-86-5	ug/kg	8/22/2000	5/12/2009	3	0	0	410	960	--	No	No
UPR-200-W-99	Phenanthrene	85-01-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	235,761	No	No

Table A-6. Comparison of Minimum and Maximum MDLs and MDAs to the Meadowlark Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Meadowlark PRG	Is Minimum MDL or MDA > Meadowlark PRG?	Is Maximum MDL or MDA > Meadowlark PRG?
UPR-200-W-99	Plutonium-238	13981-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.023	0.19	56,200	No	No
UPR-200-W-99	Pyridine	110-86-1	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Silver	7440-22-4	ug/kg	8/22/2000	5/12/2009	3	0	0	99.1	160	12,757	No	No
UPR-200-W-99	Styrene	100-42-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	--	No	No
UPR-200-W-99	Sulfide	18496-25-8	ug/kg	8/22/2000	8/22/2000	1	0	0	20600	20,600	--	No	No
UPR-200-W-99	Technetium-99	14133-76-7	pCi/g	8/22/2000	5/12/2009	4	0	0	0.381	0.61	11,500	No	No
UPR-200-W-99	Tetrachloroethene	127-18-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	215,722	No	No
UPR-200-W-99	Tin-126	15832-50-5	pCi/g	10/28/2002	10/28/2002	1	0	0	0.1	0.10	--	No	No
UPR-200-W-99	Toluene	108-88-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	512,000	No	No
UPR-200-W-99	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/28/2002	10/28/2002	1	0	0	33	33	--	No	No
UPR-200-W-99	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	--	No	No
UPR-200-W-99	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	5/12/2009	2	0	0	150	380	--	No	No
UPR-200-W-99	Trichloroethene	79-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	216,766	No	No
UPR-200-W-99	Tritium	10028-17-8	pCi/g	8/22/2000	5/12/2009	4	0	0	0.091	3.6	1,280	No	No
UPR-200-W-99	Vinyl chloride	75-01-4	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Xylenes (total)	1330-20-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6	6.0	175,000	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
200-E-115	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	1,1,1-Trichloroethane	71-55-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	82,421	No	No
200-E-115	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.25	82,412	No	No
200-E-115	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	--	No	No
200-E-115	1,1,2-Trichloroethane	79-00-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.19	82,619	No	No
200-E-115	1,1-Dichloroethene	75-35-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.35	0.49	82,542	No	No
200-E-115	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/17/2010	8/29/2010	8	0	0	75	77	--	No	No
200-E-115	1,2-Dichlorobenzene	95-50-1	ug/kg	8/17/2010	8/29/2010	8	0	0	97	101	82,054	No	No
200-E-115	1,2-Dichloroethane	107-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.044	0.063	84,320	No	No
200-E-115	1-Butanol	71-36-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.5	12	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.00E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	5.10E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,3,3',4,4',5,5',6-Heptachlorobiphenyl	74472-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	1.90E-04	2.70E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,3,5-Trichlorobiphenyl	55720-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.80E-04	--	No	No
200-E-115	2',3,5-Trichlorobiphenyl	37680-68-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	2,3,6-Trichlorobiphenyl	55702-45-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	8.30E-04	--	No	No
200-E-115	2,3',6-Trichlorobiphenyl	38444-76-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	7.10E-04	--	No	No
200-E-115	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.10E-04	0.0019	--	No	No
200-E-115	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.60E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/17/2010	8/29/2010	8	0	0	42	44	--	No	No
200-E-115	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	48	50	--	No	No
200-E-115	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.30E-04	0.0020	--	No	No
200-E-115	2,4-Dinitrotoluene	121-14-2	ug/kg	8/17/2010	8/29/2010	8	0	0	37	38	203	No	No
200-E-115	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	8.40E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	9.00E-04	0.0021	--	No	No
200-E-115	2-Butanone	78-93-3	ug/kg	8/17/2010	8/29/2010	8	0	0	1.6	2.3	312,319	No	No
200-E-115	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	8/29/2010	8	0	0	64	67	--	No	No
200-E-115	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/17/2010	8/29/2010	8	0	0	92	94	--	No	No
200-E-115	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/17/2010	8/29/2010	8	0	0	55	58	--	No	No
200-E-115	2-Nitrophenol	88-75-5	ug/kg	8/17/2010	8/29/2010	8	0	0	52	54	--	No	No
200-E-115	2-Nitropropane	79-46-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',4-Trichlorobiphenyl	37680-69-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,4,5-Trichlorobiphenyl	53555-66-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	6.00E-04	--	No	No
200-E-115	3,4',5-Trichlorobiphenyl	38444-88-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04	--	No	No
200-E-115	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	7.10E-04	0.0017	--	No	No
200-E-115	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/17/2010	8/29/2010	8	0	0	50	51	--	No	No
200-E-115	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04	--	No	No
200-E-115	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.085	0.26	--	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
200-E-115	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.41	1.2	--	No	No
200-E-115	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.65	2.0	--	No	No
200-E-115	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	8.80E-04	0.0023	--	No	No
200-E-115	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	42	43	--	No	No
200-E-115	4-Methyl-2-pentanone	108-10-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.4	2.0	--	No	No
200-E-115	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.90E-04	--	No	No
200-E-115	Acenaphthene	83-32-9	ug/kg	8/17/2010	8/29/2010	8	0	0	17	18	109,594	No	No
200-E-115	Acetone	67-64-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.8	2.6	--	No	No
200-E-115	Aldrin	309-00-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.32	0.98	33	No	No
200-E-115	Alpha-BHC	319-84-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.42	--	No	No
200-E-115	Americium-241	14596-10-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.42	0.61	11,800	No	No
200-E-115	Antimony-125	14234-35-6	pCi/g	8/17/2010	8/29/2010	8	0	0	0.71	1.2	4,580	No	No
200-E-115	Aroclor-1016	12674-11-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	332	No	No
200-E-115	Aroclor-1221	11104-28-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	332	No	No
200-E-115	Aroclor-1232	11141-16-5	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	332	No	No
200-E-115	Aroclor-1242	53469-21-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	332	No	No
200-E-115	Aroclor-1248	12672-29-6	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	332	No	No
200-E-115	Aroclor-1254	11097-69-1	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	332	No	No
200-E-115	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	332	No	No
200-E-115	Benzene	71-43-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.12	0.17	195,000	No	No
200-E-115	Benzo(a)anthracene	56-55-3	ug/kg	8/17/2010	8/29/2010	8	0	0	36	38	2,034	No	No
200-E-115	Benzo(a)pyrene	50-32-8	ug/kg	8/17/2010	8/29/2010	8	0	0	40	41	2,411	No	No
200-E-115	Benzo(b)fluoranthene	205-99-2	ug/kg	8/17/2010	8/29/2010	8	0	0	47	49	1,265	No	No
200-E-115	Benzo(k)fluoranthene	207-08-9	ug/kg	8/17/2010	8/29/2010	8	0	0	38	39	1,265	No	No
200-E-115	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.31	0.96	2,715	No	No
200-E-115	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/17/2010	8/29/2010	8	0	0	568	590	139	Yes	Yes
200-E-115	Bismuth	7440-69-9	ug/kg	8/18/2010	8/18/2010	1	0	0	8,310	8,310	--	No	No
200-E-115	Bromide	24959-67-9	ug/kg	8/17/2010	8/29/2010	8	0	0	567	580	--	No	No
200-E-115	Carbon disulfide	75-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.13	0.19	--	No	No
200-E-115	Carbon tetrachloride	56-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	82,278	No	No
200-E-115	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	8/29/2010	8	0	0	176	182	--	No	No
200-E-115	Cesium-137	10045-97-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.34	0.58	2,800	No	No
200-E-115	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12	10,081	No	No
200-E-115	Chlorobenzene	108-90-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.071	0.10	82,283	No	No
200-E-115	Chloroform	67-66-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.11	0.15	82,596	No	No
200-E-115	Chrysene	218-01-9	ug/kg	8/17/2010	8/29/2010	8	0	0	78	81	1,431	No	No
200-E-115	cis-1,2-Dichloroethylene	156-59-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.15	0.21	82,553	No	No
200-E-115	Cobalt-60	10198-40-0	pCi/g	8/17/2010	8/29/2010	8	0	0	0.28	0.44	805	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	Curium-242	15510-73-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-E-115	Curium-243/244	CM-243/244	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	104,000	No	No
200-E-115	Cyanide	57-12-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2,600	2,680	--	No	No
200-E-115	Cyclohexanone	108-94-1	ug/kg	8/17/2010	8/29/2010	8	0	0	537	558	--	No	No
200-E-115	Delta-BHC	319-86-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.77	--	No	No
200-E-115	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	1,419	No	No
200-E-115	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	8/29/2010	8	0	0	870	920	--	No	No
200-E-115	Dieldrin	60-57-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.69	25	No	No
200-E-115	Diethyl ether	60-29-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.21	0.30	--	No	No
200-E-115	Di-n-octylphthalate	117-84-0	ug/kg	8/17/2010	8/29/2010	8	0	0	46	48	--	No	No
200-E-115	Endrin	72-20-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.43	--	No	No
200-E-115	Ethyl acetate	141-78-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
200-E-115	Ethylbenzene	100-41-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.088	0.13	194,000	No	No
200-E-115	Ethylene glycol	107-21-1	ug/kg	8/17/2010	8/29/2010	8	0	0	13,000	14,000	--	No	No
200-E-115	Europium-152	14683-23-9	pCi/g	8/17/2010	8/29/2010	8	0	0	1.4	2.0	1,740	No	No
200-E-115	Europium-154	15585-10-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.89	1.5	1,610	No	No
200-E-115	Europium-155	14391-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.46	1.0	33,400	No	No
200-E-115	Fluoranthene	206-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	34	35	1,086	No	No
200-E-115	Gamma-BHC (Lindane)	58-89-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.18	0.54	--	No	No
200-E-115	Heptachlor epoxide	1024-57-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.45	1.4	--	No	No
200-E-115	Heptachlor	76-44-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.099	0.30	--	No	No
200-E-115	Hexachlorobutadiene	87-68-3	ug/kg	8/17/2010	8/29/2010	8	0	0	67	70	--	No	No
200-E-115	Hexachloroethane	67-72-1	ug/kg	8/17/2010	8/29/2010	8	0	0	108	112	--	No	No
200-E-115	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	1,153	No	No
200-E-115	Iodine-129	15046-84-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.14	0.22	--	No	No
200-E-115	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	443	460	--	No	No
200-E-115	Mercury	7439-97-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.2	9.8	5,600	No	No
200-E-115	Methylene chloride	75-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.053	0.075	82,884	No	No
200-E-115	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	630	680	--	No	No
200-E-115	Naphthalene	91-20-3	ug/kg	8/17/2010	8/29/2010	8	0	0	60	63	415,858	No	No
200-E-115	Nickel-63	13981-37-8	pCi/g	8/17/2010	8/29/2010	8	0	0	4.3	5.9	--	No	No
200-E-115	Nitrobenzene	98-95-3	ug/kg	8/17/2010	8/29/2010	8	0	0	62	65	--	No	No
200-E-115	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	8/29/2010	8	0	0	56	58	--	No	No
200-E-115	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	8/29/2010	8	0	0	184	191	--	No	No
200-E-115	o-Xylene	95-47-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	--	No	No
200-E-115	Plutonium-238	13981-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	20,900	No	No
200-E-115	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	22,300	No	No
200-E-115	Pyrene	129-00-0	ug/kg	8/17/2010	8/29/2010	8	0	0	61	63	1,855	No	No
200-E-115	Pyridine	110-86-1	ug/kg	8/17/2010	8/29/2010	8	0	0	63	65	--	No	No
200-E-115	Strontium-90	10098-97-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.18	0.57	150	No	No
200-E-115	Tetrachloroethene	127-18-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.090	0.13	82,067	No	No
200-E-115	Total cresols	1319-77-3	ug/kg	8/17/2010	8/29/2010	8	0	0	103	107	--	No	No
200-E-115	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	8/17/2010	8/29/2010	8	0	0	10	11	--	No	No
200-E-115	trans-1,2-Dichloroethylene	156-60-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.35	82,553	No	No
200-E-115	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.32	--	No	No
200-E-115	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	8/29/2010	8	0	0	104	108	--	No	No
200-E-115	Trichloroethene	79-01-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.100	0.14	82,449	No	No
200-E-115	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	--	No	No
200-E-115	Vinyl chloride	75-01-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	Xylenes (total)	1330-20-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.24	194,000	No	No
200-W-54	1,1,1-Trichloroethane	71-55-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	82,421	No	No
200-W-54	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	82,412	No	No
200-W-54	1,1,2-Trichloroethane	79-00-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	82,619	No	No
200-W-54	1,1-Dichloroethane	75-34-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	82,667	No	No
200-W-54	1,1-Dichloroethene	75-35-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	82,542	No	No
200-W-54	1,2,4-Trichlorobenzene	120-82-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,2-Dichlorobenzene	95-50-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	82,054	No	No
200-W-54	1,2-Dichloroethane	107-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	84,320	No	No
200-W-54	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,2-Dichloropropane	78-87-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,3-Dichlorobenzene	541-73-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	82,026	No	No
200-W-54	1,4-Dichlorobenzene	106-46-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4,5-Trichlorophenol	95-95-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4,6-Trichlorophenol	88-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dichlorophenol	120-83-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dimethylphenol	105-67-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dinitrophenol	51-28-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4-Dinitrotoluene	121-14-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	203	Yes	Yes
200-W-54	2,6-Dinitrotoluene	606-20-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Butanone	78-93-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	312,319	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
200-W-54	2-Chloronaphthalene	91-58-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Hexanone	591-78-6	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	185,629	No	No
200-W-54	2-Methylnaphthalene	91-57-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	154,737	No	No
200-W-54	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Nitroaniline	88-74-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2-Nitrophenol	88-75-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3,3'-Dichlorobenzidine	91-94-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3-Nitroaniline	99-09-2	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Bromophenylphenyl ether	101-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloroaniline	106-47-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Methyl-2-pentanone	108-10-1	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	4-Nitroaniline	100-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Nitrophenol	100-02-7	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Acenaphthene	83-32-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	109,594	No	No
200-W-54	Acenaphthylene	208-96-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	7,361	No	No
200-W-54	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.13	0.13	11,800	No	No
200-W-54	Anthracene	120-12-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	67,831	No	No
200-W-54	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	332	No	No
200-W-54	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/19/2001	1	0	0	69	69	332	No	No
200-W-54	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	332	No	No
200-W-54	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	332	No	No
200-W-54	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	332	No	No
200-W-54	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	332	No	No
200-W-54	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	332	No	No
200-W-54	Benzene	71-43-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	195,000	No	No
200-W-54	Benzo(a)anthracene	56-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	2,034	No	No
200-W-54	Benzo(a)pyrene	50-32-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	2,411	No	No
200-W-54	Benzo(b)fluoranthene	205-99-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1,265	No	No
200-W-54	Benzo(ghi)perylene	191-24-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1,122	No	No
200-W-54	Benzo(k)fluoranthene	207-08-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1,265	No	No
200-W-54	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-chloroethyl) ether	111-44-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	139	Yes	Yes
200-W-54	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Bromodichloromethane	75-27-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromoform	75-25-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromomethane	74-83-9	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbazole	86-74-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbon disulfide	75-15-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Carbon tetrachloride	56-23-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	82,278	No	No
200-W-54	Carbon-14	14762-75-5	pCi/g	10/19/2001	10/19/2001	1	0	0	3.9	3.9	56	No	No
200-W-54	Chlorobenzene	108-90-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	82,283	No	No
200-W-54	Chloroethane	75-00-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	82,596	No	No
200-W-54	Chloromethane	74-87-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chrysene	218-01-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1,431	No	No
200-W-54	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Cobalt-60	10198-40-0	pCi/g	10/19/2001	10/19/2001	1	0	0	0.044	0.044	805	No	No
200-W-54	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	1	0	0	450	450	--	No	No
200-W-54	Dibenz(a,h)anthracene	53-70-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1,419	No	No
200-W-54	Dibenzofuran	132-64-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
200-W-54	Dibromochloromethane	124-48-1	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dimethyl phthalate	131-11-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-octylphthalate	117-84-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Ethylbenzene	100-41-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	194,000	No	No
200-W-54	Europium-152	14683-23-9	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	1,740	No	No
200-W-54	Europium-154	15585-10-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.14	0.14	1,610	No	No
200-W-54	Europium-155	14391-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.11	0.11	33,400	No	No
200-W-54	Fluoranthene	206-44-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1,086	No	No
200-W-54	Fluorene	86-73-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	800	No	No
200-W-54	Hexachlorobenzene	118-74-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorobutadiene	87-68-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorocyclopentadiene	77-47-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachloroethane	67-72-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1,153	No	No
200-W-54	Isophorone	78-59-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Naphthalene	91-20-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	415,858	No	No
200-W-54	Neptunium-237	13994-20-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.060	0.060	7,880	No	No
200-W-54	Nickel-63	13981-37-8	pCi/g	10/19/2001	10/19/2001	1	0	0	2.1	2.1	--	No	No
200-W-54	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	1	0	0	1,290	1,290	--	No	No
200-W-54	Nitrobenzene	98-95-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodiphenylamine	86-30-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Pentachlorophenol	87-86-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Phenanthrene	85-01-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4,800	No	No
200-W-54	Phenol	108-95-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Plutonium-238	13981-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	20,900	No	No
200-W-54	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	22,300	No	No
200-W-54	Pyrene	129-00-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1,855	No	No
200-W-54	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Strontium-90	10098-97-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.33	0.33	150	No	No
200-W-54	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	1	0	0	36,000	36,000	--	No	No
200-W-54	Technetium-99	14133-76-7	pCi/g	10/19/2001	10/19/2001	1	0	0	0.41	0.41	137,000	No	No
200-W-54	Tetrachloroethene	127-18-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	82,067	No	No
200-W-54	Toluene	108-88-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	195,000	No	No
200-W-54	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	3.56E+07	No	No
200-W-54	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	10/19/2001	1	0	0	2,000	2,000	--	No	No
200-W-54	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	3.56E+07	No	No
200-W-54	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Trichloroethene	79-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	82,449	No	No
200-W-54	Tritium	10028-17-8	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	936	No	No
200-W-54	Uranium-235	15117-96-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.18	0.18	4,360	No	No
200-W-54	Vinyl chloride	75-01-4	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Xylenes (total)	1330-20-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	194,000	No	No
207-A-South	1,1,1-Trichloroethane	71-55-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	82,421	No	No
207-A-South	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	82,412	No	No
207-A-South	1,1,2-Trichloroethane	79-00-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	82,619	No	No
207-A-South	1,1-Dichloroethane	75-34-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	82,667	No	No
207-A-South	1,1-Dichloroethene	75-35-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	82,542	No	No
207-A-South	1,2,4-Trichlorobenzene	120-82-1	ug/kg	9/10/2003	9/10/2003	3	0	0	300	300	--	No	No
207-A-South	1,2-Dichlorobenzene	95-50-1	ug/kg	9/10/2003	9/10/2003	3	0	0	370	370	82,054	No	No
207-A-South	1,2-Dichloroethane	107-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	84,320	No	No
207-A-South	1,2-Dichloroethene (Total)	540-59-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2-Dichloropropane	78-87-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,3-Dichlorobenzene	541-73-1	ug/kg	9/10/2003	9/10/2003	3	0	0	330	330	82,026	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
207-A-South	1,4-Dichlorobenzene	106-46-7	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	1-Butanol	71-36-3	ug/kg	9/10/2003	9/10/2003	3	0	0	41	41	--	No	No
207-A-South	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	2,4,5-Trichlorophenol	95-95-4	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	2,4,6-Trichlorophenol	88-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	2,4-Dichlorophenol	120-83-2	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	2,4-Dimethylphenol	105-67-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-Dinitrophenol	51-28-5	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	2,4-Dinitrotoluene	121-14-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	203	No	No
207-A-South	2,6-Dinitrotoluene	606-20-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	312,319	No	No
207-A-South	2-Butoxyethanol	111-76-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	2-Chloronaphthalene	91-58-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	3	0	0	150	150	--	No	No
207-A-South	2-Hexanone	591-78-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	185,629	No	No
207-A-South	2-Methylnaphthalene	91-57-6	ug/kg	9/10/2003	9/10/2003	3	0	0	180	190	154,737	No	No
207-A-South	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	9/10/2003	11/12/2015	27	0	0	34	113	--	No	No
207-A-South	2-Nitroaniline	88-74-4	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Nitrophenol	88-75-5	ug/kg	9/10/2003	9/10/2003	3	0	0	180	180	--	No	No
207-A-South	2-Pentanone	107-87-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	3,3'-Dichlorobenzidine	91-94-1	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	9/10/2003	11/12/2015	27	0	0	69	120	--	No	No
207-A-South	3-Nitroaniline	99-09-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	4-Bromophenylphenyl ether	101-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloroaniline	106-47-8	ug/kg	9/10/2003	9/10/2003	3	0	0	95	96	--	No	No
207-A-South	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Methyl-2-pentanone	108-10-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	4-Nitroaniline	100-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	4-Nitrophenol	100-02-7	ug/kg	9/10/2003	9/10/2003	3	0	0	660	670	--	No	No
207-A-South	Acenaphthene	83-32-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	109,594	No	No
207-A-South	Acenaphthylene	208-96-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	7,361	No	No
207-A-South	Acetone	67-64-1	ug/kg	9/10/2003	11/12/2015	27	0	0	2.0	4.0	--	No	No
207-A-South	Aldrin	309-00-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	33	No	No
207-A-South	Alpha-BHC	319-84-6	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Alpha-Chlordane	5103-71-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	3	0	0	258	258	--	No	No
207-A-South	Anthracene	120-12-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	67,831	No	No
207-A-South	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	4,930	--	No	No
207-A-South	Aroclor-1016	12674-11-2	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	332	No	No
207-A-South	Aroclor-1221	11104-28-2	ug/kg	9/10/2003	9/10/2003	3	0	0	99	100	332	No	No
207-A-South	Aroclor-1232	11141-16-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	332	No	No
207-A-South	Aroclor-1242	53469-21-9	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	332	No	No
207-A-South	Aroclor-1248	12672-29-6	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	332	No	No
207-A-South	Aroclor-1254	11097-69-1	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	332	No	No
207-A-South	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	332	No	No
207-A-South	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	425,033	No	No
207-A-South	Benzene	71-43-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	195,000	No	No
207-A-South	Benzo(a)anthracene	56-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	2,034	No	No
207-A-South	Benzo(a)pyrene	50-32-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	2,411	No	No
207-A-South	Benzo(b)fluoranthene	205-99-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1,265	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
207-A-South	Benzo(ghi)perylene	191-24-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1,122	No	No
207-A-South	Benzo(k)fluoranthene	207-08-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1,265	No	No
207-A-South	Benzyl alcohol	100-51-6	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	--	No	No
207-A-South	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	2,715	No	No
207-A-South	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	9/10/2003	9/10/2003	3	0	0	260	260	--	No	No
207-A-South	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	9/10/2003	9/10/2003	3	0	0	120	120	--	No	No
207-A-South	Bis(2-chloroethyl) ether	111-44-4	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	3	0	0	570	580	139	Yes	Yes
207-A-South	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	3	0	0	4,970	5,000	--	No	No
207-A-South	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	3	0	0	5,070	5,100	26,000	No	No
207-A-South	Bromodichloromethane	75-27-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromoform	75-25-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromomethane	74-83-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	890	Yes	Yes
207-A-South	Carbazole	86-74-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	Carbon disulfide	75-15-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Carbon tetrachloride	56-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	82,278	No	No
207-A-South	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	3.8	56	No	No
207-A-South	Chlorobenzene	108-90-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	82,283	No	No
207-A-South	Chloroethane	75-00-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	82,596	No	No
207-A-South	Chloromethane	74-87-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	36,500	No	No
207-A-South	Chrysene	218-01-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1,431	No	No
207-A-South	cis-1,3-Dichloropropene	10061-01-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	3	0	0	200	200	--	No	No
207-A-South	Dalapon	75-99-0	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Delta-BHC	319-86-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Dibenz(a,h)anthracene	53-70-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1,419	No	No
207-A-South	Dibenzofuran	132-64-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dibromochloromethane	124-48-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Dicamba	1918-00-9	ug/kg	9/3/2003	9/4/2003	5	0	0	70	75	--	No	No
207-A-South	Dichloroprop	120-36-5	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Dieldrin	60-57-1	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	25	No	No
207-A-South	Diethyl ether	60-29-7	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Dimethyl phthalate	131-11-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	3	0	0	89	89	--	No	No
207-A-South	Di-n-octylphthalate	117-84-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Endosulfan I	959-98-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	560	No	No
207-A-South	Endosulfan II	33213-65-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	41,401	No	No
207-A-South	Endosulfan sulfate	1031-07-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	17	No	No
207-A-South	Endrin aldehyde	7421-93-4	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	231	No	No
207-A-South	Endrin ketone	53494-70-5	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin	72-20-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Ethylbenzene	100-41-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	194,000	No	No
207-A-South	Ethylene glycol	107-21-1	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Fluoranthene	206-44-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1,086	No	No
207-A-South	Fluorene	86-73-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	800	No	No
207-A-South	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	3	0	0	350	350	556,000	No	No
207-A-South	Gamma-BHC (Lindane)	58-89-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor epoxide	1024-57-3	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor	76-44-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Hexachlorobenzene	118-74-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Hexachlorobutadiene	87-68-3	ug/kg	9/10/2003	9/10/2003	3	0	0	370	380	--	No	No
207-A-South	Hexachlorocyclopentadiene	77-47-4	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
207-A-South	Hexachloroethane	67-72-1	ug/kg	9/10/2003	9/10/2003	3	0	0	480	480	--	No	No
207-A-South	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/10/2003	12	0	0	410	450	--	No	No
207-A-South	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1,153	No	No
207-A-South	Iodine-129	15046-84-1	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	12	--	No	No
207-A-South	Isophorone	78-59-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	3	0	0	11,700	11,800	15,500	No	No
207-A-South	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	5,600	No	No
207-A-South	Methanol	67-56-1	ug/kg	9/10/2003	9/10/2003	3	0	0	1,000	1,000	--	No	No
207-A-South	Methoxychlor	72-43-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Methylene chloride	75-09-2	ug/kg	9/10/2003	11/12/2015	27	0	0	1.3	6.7	82,884	No	No
207-A-South	Naphthalene	91-20-3	ug/kg	9/10/2003	9/10/2003	3	0	0	290	290	415,858	No	No
207-A-South	n-Butylbenzene	104-51-8	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	193,000	No	No
207-A-South	Neptunium-237	13994-20-2	pCi/g	9/3/2003	9/10/2003	12	0	0	0.017	0.29	7,880	No	No
207-A-South	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	6,500	30,800	No	No
207-A-South	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/10/2003	12	0	0	2.3	2.8	--	No	No
207-A-South	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	3	0	0	1,480	1,480	--	No	No
207-A-South	Nitrobenzene	98-95-3	ug/kg	9/10/2003	9/10/2003	3	0	0	270	270	--	No	No
207-A-South	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	n-Nitrosodiphenylamine	86-30-6	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Oil and grease	OIL/GREASE	ug/kg	9/3/2003	9/10/2003	12	0	0	680,000	748,000	--	No	No
207-A-South	Pentachlorophenol	87-86-5	ug/kg	9/10/2003	9/10/2003	3	0	0	310	310	--	No	No
207-A-South	Phenanthrene	85-01-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	4,800	No	No
207-A-South	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	3	0	0	1,990	1,990	--	No	No
207-A-South	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1,855	No	No
207-A-South	Ruthenium-103	13968-53-1	pCi/g	9/10/2003	9/10/2003	3	0	0	0.0090	0.015	--	No	No
207-A-South	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	1,200	Yes	Yes
207-A-South	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/10/2003	12	0	0	0.44	0.61	137,000	No	No
207-A-South	Tetrachloroethene	127-18-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	82,067	No	No
207-A-South	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	3	0	0	0.090	0.20	--	No	No
207-A-South	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	195,000	No	No
207-A-South	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	3.56E+07	No	No
207-A-South	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	3.56E+07	No	No
207-A-South	Toxaphene	8001-35-2	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	trans-1,3-Dichloropropene	10061-02-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	trans-Chlordane	5103-74-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Trichloroethene	79-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	82,449	No	No
207-A-South	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	139,000	No	No
207-A-South	Vinyl chloride	75-01-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Xylenes (total)	1330-20-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	194,000	No	No
207-T	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	82,421	No	No
207-T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	82,412	No	No
207-T	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	82,619	No	No
207-T	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	82,667	No	No
207-T	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	82,542	No	No
207-T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	82,054	No	No
207-T	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	84,320	No	No
207-T	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	82,026	No	No
207-T	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
207-T	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	203	Yes	Yes
207-T	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Butanone	78-93-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	312,319	No	No
207-T	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Hexanone	591-78-6	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	185,629	No	No
207-T	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	154,737	No	No
207-T	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Acenaphthene	83-32-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	109,594	No	No
207-T	Acenaphthylene	208-96-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	7,361	No	No
207-T	Americium-241	14596-10-2	pCi/g	8/7/2000	11/30/2000	6	0	0	0.050	0.21	11,800	No	No
207-T	Anthracene	120-12-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	67,831	No	No
207-T	Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0	0.028	0.034	--	No	No
207-T	Benzene	71-43-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	195,000	No	No
207-T	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	2,034	No	No
207-T	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	2,411	No	No
207-T	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1,265	No	No
207-T	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1,122	No	No
207-T	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1,265	No	No
207-T	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromoform	75-25-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromomethane	74-83-9	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Cadmium	7440-43-9	ug/kg	8/7/2000	11/30/2000	3	0	0	30	30	890	No	No
207-T	Carbazole	86-74-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Carbon disulfide	75-15-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	82,278	No	No
207-T	Chlorobenzene	108-90-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	82,283	No	No
207-T	Chloroethane	75-00-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chloroform	67-66-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	82,596	No	No
207-T	Chloromethane	74-87-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chrysene	218-01-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1,431	No	No
207-T	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Cyanide	57-12-5	ug/kg	8/7/2000	11/30/2000	3	0	0	490	540	--	No	No
207-T	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1,419	No	No
207-T	Dibenzofuran	132-64-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Diethylphthalate	84-66-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
207-T	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Ethylbenzene	100-41-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	194,000	No	No
207-T	Fluoranthene	206-44-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1,086	No	No
207-T	Fluorene	86-73-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	800	No	No
207-T	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachloroethane	67-72-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1,153	No	No
207-T	Iodine-129	15046-84-1	pCi/g	8/7/2000	11/30/2000	6	0	0	1.2	3.8	--	No	No
207-T	Isophorone	78-59-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Mercury	7439-97-6	ug/kg	8/7/2000	11/30/2000	3	0	0	20	20	5,600	No	No
207-T	Naphthalene	91-20-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	415,858	No	No
207-T	Nitrobenzene	98-95-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Phenanthrene	85-01-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4,800	No	No
207-T	Pyrene	129-00-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1,855	No	No
207-T	Selenium	7782-49-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	440	1,200	No	No
207-T	Silver	7440-22-4	ug/kg	8/7/2000	11/30/2000	3	0	0	100	110	4,962	No	No
207-T	Styrene	100-42-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Sulfide	18496-25-8	ug/kg	8/7/2000	11/30/2000	3	0	0	37,700	40,300	--	No	No
207-T	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	82,067	No	No
207-T	Toluene	108-88-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	195,000	No	No
207-T	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Trichloroethene	79-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	82,449	No	No
207-T	Vinyl chloride	75-01-4	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	194,000	No	No
216-A-34	1,1-Dichloroethene	75-35-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	82,542	No	No
216-A-34	1,2,4-Trichlorobenzene	120-82-1	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	--	No	No
216-A-34	1,2-Dichlorobenzene	95-50-1	ug/kg	4/4/2003	4/4/2003	1	0	0	370	370	82,054	No	No
216-A-34	1,3-Dichlorobenzene	541-73-1	ug/kg	4/4/2003	4/4/2003	1	0	0	330	330	82,026	No	No
216-A-34	1,4-Dichlorobenzene	106-46-7	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	1-Butanol	71-36-3	ug/kg	4/4/2003	4/4/2003	1	0	0	20	20	--	No	No
216-A-34	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	,4,5-TP(2-(2,4,5-Trichlorophenoxy)propionic acid)Silve	93-72-1	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	2,4,5-Trichlorophenol	95-95-4	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4,6-Trichlorophenol	88-06-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	4/4/2003	1	0	0	34	34	--	No	No
216-A-34	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	2,4-Dichlorophenol	120-83-2	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2,4-Dimethylphenol	105-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-Dinitrophenol	51-28-5	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4-Dinitrotoluene	121-14-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	203	No	No
216-A-34	2,6-Dinitrotoluene	606-20-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	2-Chloronaphthalene	91-58-7	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	0	150	150	--	No	No
216-A-34	2-Methylnaphthalene	91-57-6	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	154,737	No	No
216-A-34	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitroaniline	88-74-4	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitrophenol	88-75-5	ug/kg	4/4/2003	4/4/2003	1	0	0	180	180	--	No	No
216-A-34	3,3'-Dichlorobenzidine	91-94-1	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	3-Nitroaniline	99-09-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
216-A-34	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	4-Bromophenylphenyl ether	101-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloroaniline	106-47-8	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	--	No	No
216-A-34	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Nitroaniline	100-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	4-Nitrophenol	100-02-7	ug/kg	4/4/2003	4/4/2003	1	0	0	670	670	--	No	No
216-A-34	Acenaphthene	83-32-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	109,594	No	No
216-A-34	Acenaphthylene	208-96-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	7,361	No	No
216-A-34	Aldrin	309-00-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	33	No	No
216-A-34	Alpha-BHC	319-84-6	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Anthracene	120-12-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	67,831	No	No
216-A-34	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	0	239	239	--	No	No
216-A-34	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0	0.036	0.036	4,580	No	No
216-A-34	Benzene	71-43-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	195,000	No	No
216-A-34	Benzo(a)anthracene	56-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	2,034	No	No
216-A-34	Benzo(a)pyrene	50-32-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	2,411	No	No
216-A-34	Benzo(b)fluoranthene	205-99-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1,265	No	No
216-A-34	Benzo(ghi)perylene	191-24-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1,122	No	No
216-A-34	Benzo(k)fluoranthene	207-08-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1,265	No	No
216-A-34	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	2,715	No	No
216-A-34	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	4/4/2003	4/4/2003	1	0	0	260	260	--	No	No
216-A-34	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	Bis(2-chloroethyl) ether	111-44-4	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	0	6,770	6,770	--	No	No
216-A-34	Bromide	24959-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	900	900	--	No	No
216-A-34	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Carbazole	86-74-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	0	1.9	1.9	56	No	No
216-A-34	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.017	0.017	1,200	No	No
216-A-34	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.014	0.014	2,800	No	No
216-A-34	Chlorobenzene	108-90-7	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	82,283	No	No
216-A-34	Chrysene	218-01-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1,431	No	No
216-A-34	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0	0.012	0.012	805	No	No
216-A-34	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dalapon	75-99-0	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Delta-BHC	319-86-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Dibenz(a,h)anthracene	53-70-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1,419	No	No
216-A-34	Dibenzofuran	132-64-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dicamba	1918-00-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dichloroprop	120-36-5	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Dieldrin	60-57-1	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	25	No	No
216-A-34	Diethyl ether	60-29-7	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Diethylphthalate	84-66-2	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dimethyl phthalate	131-11-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	89	89	--	No	No
216-A-34	Di-n-octylphthalate	117-84-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Endosulfan I	959-98-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	560	No	No
216-A-34	Endosulfan II	33213-65-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	41,401	No	No
216-A-34	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	17	No	No
216-A-34	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	231	No	No
216-A-34	Endrin ketone	53494-70-5	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin	72-20-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Ethylene glycol	107-21-1	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.040	0.040	1,740	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
216-A-34	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.038	0.038	1,610	No	No
216-A-34	Fluoranthene	206-44-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1,086	No	No
216-A-34	Fluorene	86-73-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	800	No	No
216-A-34	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor	76-44-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Hexachlorobenzene	118-74-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Hexachlorobutadiene	87-68-3	ug/kg	4/4/2003	4/4/2003	1	0	0	380	380	--	No	No
216-A-34	Hexachlorocyclopentadiene	77-47-4	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	Hexachloroethane	67-72-1	ug/kg	4/4/2003	4/4/2003	1	0	0	480	480	--	No	No
216-A-34	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	0	420	420	--	No	No
216-A-34	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1,153	No	No
216-A-34	Iodine-129	15046-84-1	pCi/g	4/4/2003	4/4/2003	1	0	0	2.4	2.4	--	No	No
216-A-34	Isophorone	78-59-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	0	48	48	5,600	No	No
216-A-34	Methanol	67-56-1	ug/kg	4/4/2003	4/4/2003	1	0	0	1,000	1,000	--	No	No
216-A-34	Methoxychlor	72-43-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Molybdenum	7439-98-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	9,500	No	No
216-A-34	Naphthalene	91-20-3	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	415,858	No	No
216-A-34	Neptunium-237	13994-20-2	pCi/g	4/4/2003	4/4/2003	1	0	0	0.092	0.092	7,880	No	No
216-A-34	Nitrite	14797-65-0	ug/kg	4/4/2003	4/4/2003	1	0	0	591	591	--	No	No
216-A-34	Nitrobenzene	98-95-3	ug/kg	4/4/2003	4/4/2003	1	0	0	270	270	--	No	No
216-A-34	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	n-Nitrosodiphenylamine	86-30-6	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	4/4/2003	1	0	0	694,000	694,000	--	No	No
216-A-34	Pentachlorophenol	87-86-5	ug/kg	4/4/2003	4/4/2003	1	0	0	310	310	--	No	No
216-A-34	Phenanthrene	85-01-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	4,800	No	No
216-A-34	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.28	0.28	20,900	No	No
216-A-34	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1,855	No	No
216-A-34	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.013	0.013	--	No	No
216-A-34	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.12	0.12	--	No	No
216-A-34	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	1,200	Yes	Yes
216-A-34	Silver	7440-22-4	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	4,962	No	No
216-A-34	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0	0.58	0.58	137,000	No	No
216-A-34	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0	0.20	0.20	--	No	No
216-A-34	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	195,000	No	No
216-A-34	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	3.56E+07	No	No
216-A-34	Toxaphene	8001-35-2	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Trichloroethene	79-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	82,449	No	No
216-A-34	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0	0.17	0.17	936	No	No
UPR-200-E-64	Cadmium	7440-43-9	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	890	No	No
UPR-200-E-64	Cobalt-60	10198-40-0	pCi/g	2/11/2008	2/12/2008	2	0	0	0.013	0.064	805	No	No
UPR-200-E-64	Europium-152	14683-23-9	pCi/g	2/11/2008	2/12/2008	2	0	0	0.036	0.98	1,740	No	No
UPR-200-E-64	Europium-155	14391-16-3	pCi/g	2/11/2008	2/12/2008	2	0	0	0.053	1.1	33,400	No	No
UPR-200-E-64	Fluoride	16984-48-8	ug/kg	2/11/2008	2/12/2008	2	0	0	294	300	556,000	No	No
UPR-200-E-64	Neptunium-237	13994-20-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.038	0.043	7,880	No	No
UPR-200-E-64	Nickel-63	13981-37-8	pCi/g	2/11/2008	2/12/2008	2	0	0	3.4	6.3	--	No	No
UPR-200-E-64	Nitrite	14797-65-0	ug/kg	2/11/2008	2/12/2008	2	0	0	1,610	1,640	--	No	No
UPR-200-E-64	Silver	7440-22-4	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	4,962	No	No
UPR-200-E-64	Strontium-90	10098-97-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.48	12	150	No	No
UPR-200-E-64	Technetium-99	14133-76-7	pCi/g	2/11/2008	2/12/2008	2	0	0	0.39	0.74	137,000	No	No
UPR-200-E-64	Tritium	10028-17-8	pCi/g	2/11/2008	2/12/2008	2	0	0	4.0	4.2	936	No	No
UPR-200-E-89	1,1,1-Trichloroethane	71-55-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	82,421	No	No
UPR-200-E-89	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	82,412	No	No
UPR-200-E-89	1,1,2-Trichloroethane	79-00-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	82,619	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
UPR-200-E-89	1,1-Dichloroethane	75-34-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	82,667	No	No
UPR-200-E-89	1,1-Dichloroethene	75-35-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	82,542	No	No
UPR-200-E-89	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,2,4-Trichlorobenzene	120-82-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,2-Dichlorobenzene	95-50-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	82,054	No	No
UPR-200-E-89	1,2-Dichloroethane	107-06-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	84,320	No	No
UPR-200-E-89	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2-Dichloropropane	78-87-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,3-Dichlorobenzene	541-73-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	82,026	No	No
UPR-200-E-89	1,4-Dichlorobenzene	106-46-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10	11	--	No	No
UPR-200-E-89	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4,5-Trichlorophenol	95-95-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4,6-Trichlorophenol	88-06-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dichlorophenol	120-83-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dimethylphenol	105-67-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrophenol	51-28-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrotoluene	121-14-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	203	No	No
UPR-200-E-89	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,6-Dinitrotoluene	606-20-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Butanone	78-93-3	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	312,319	No	No
UPR-200-E-89	2-Chloronaphthalene	91-58-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Hexanone	591-78-6	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	185,629	No	No
UPR-200-E-89	2-Methylnaphthalene	91-57-6	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	154,737	No	No
UPR-200-E-89	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Nitroaniline	88-74-4	ug/kg	7/16/2015	10/22/2015	9	0	0	114	116	--	No	No
UPR-200-E-89	2-Nitrophenol	88-75-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dichlorobenzidine	91-94-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Nitroaniline	99-09-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	4-Bromophenylphenyl ether	101-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	10/22/2015	9	0	0	138	141	--	No	No
UPR-200-E-89	4-Chloroaniline	106-47-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Methyl-2-pentanone	108-10-1	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	4-Nitroaniline	100-01-6	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitrophenol	100-02-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Acenaphthene	83-32-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	109,594	No	No
UPR-200-E-89	Acenaphthylene	208-96-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	7,361	No	No
UPR-200-E-89	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122	--	No	No
UPR-200-E-89	Americium-241	14596-10-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.16	0.47	11,800	No	No
UPR-200-E-89	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Anthracene	120-12-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	67,831	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
UPR-200-E-89	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Aroclor-1016	12674-11-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	332	No	No
UPR-200-E-89	Aroclor-1221	11104-28-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	332	No	No
UPR-200-E-89	Aroclor-1232	11141-16-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	332	No	No
UPR-200-E-89	Aroclor-1242	53469-21-9	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	332	No	No
UPR-200-E-89	Aroclor-1248	12672-29-6	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	332	No	No
UPR-200-E-89	Aroclor-1254	11097-69-1	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	332	No	No
UPR-200-E-89	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	332	No	No
UPR-200-E-89	Aroclor-1262	37324-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Aroclor-1268	11100-14-4	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Benzene	71-43-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	195,000	No	No
UPR-200-E-89	Benzo(a)anthracene	56-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	2,034	No	No
UPR-200-E-89	Benzo(a)pyrene	50-32-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	2,411	No	No
UPR-200-E-89	Benzo(b)fluoranthene	205-99-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	1,265	No	No
UPR-200-E-89	Benzo(ghi)perylene	191-24-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	1,122	No	No
UPR-200-E-89	Benzo(k)fluoranthene	207-08-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	1,265	No	No
UPR-200-E-89	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175	--	No	No
UPR-200-E-89	Benzyl alcohol	100-51-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloroethyl) ether	111-44-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bismuth	7440-69-9	ug/kg	7/16/2015	7/21/2015	2	0	0	91	103	--	No	No
UPR-200-E-89	Bromodichloromethane	75-27-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromoform	75-25-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromomethane	74-83-9	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Carbazole	86-74-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Carbon disulfide	75-15-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	--	No	No
UPR-200-E-89	Carbon tetrachloride	56-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	82,278	No	No
UPR-200-E-89	Carbon-14	14762-75-5	pCi/g	7/16/2015	10/22/2015	8	0	0	2.5	4.4	56	No	No
UPR-200-E-89	Chlorobenzene	108-90-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	82,283	No	No
UPR-200-E-89	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Chloroethane	75-00-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chloroform	67-66-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	82,596	No	No
UPR-200-E-89	Chloromethane	74-87-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chrysene	218-01-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	1,431	No	No
UPR-200-E-89	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Cobalt-60	10198-40-0	pCi/g	4/29/2008	10/22/2015	3	0	0	0.042	0.16	805	No	No
UPR-200-E-89	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dibenz(a,h)anthracene	53-70-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	1,419	No	No
UPR-200-E-89	Dibenzofuran	132-64-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dibromochloromethane	124-48-1	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Diethylphthalate	84-66-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dimethyl phthalate	131-11-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Di-n-octylphthalate	117-84-0	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethylbenzene	100-41-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	194,000	No	No
UPR-200-E-89	Europium-152	14683-23-9	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.72	1,740	No	No
UPR-200-E-89	Europium-154	15585-10-1	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.48	1,610	No	No
UPR-200-E-89	Europium-155	14391-16-3	pCi/g	4/29/2008	10/22/2015	3	0	0	0.10	0.86	33,400	No	No
UPR-200-E-89	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Fluoranthene	206-44-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	1,086	No	No
UPR-200-E-89	Fluorene	86-73-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	800	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
UPR-200-E-89	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	0	6.4	6.4	--	No	No
UPR-200-E-89	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	0	15	15	--	No	No
UPR-200-E-89	Hexachlorobenzene	118-74-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorobutadiene	87-68-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorocyclopentadiene	77-47-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachloroethane	67-72-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4,000	4,050	--	No	No
UPR-200-E-89	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	1,153	No	No
UPR-200-E-89	Iodine-129	15046-84-1	pCi/g	10/1/2015	10/22/2015	3	0	0	1.2	1.8	--	No	No
UPR-200-E-89	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	69	70	--	No	No
UPR-200-E-89	Isophorone	78-59-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Mercury	7439-97-6	ug/kg	7/16/2015	10/22/2015	4	0	0	3.8	4.0	5,600	No	No
UPR-200-E-89	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methylene chloride	75-09-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	82,884	No	No
UPR-200-E-89	Naphthalene	91-20-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	415,858	No	No
UPR-200-E-89	Neptunium-237	13994-20-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.69	7,880	No	No
UPR-200-E-89	Nickel-63	13981-37-8	pCi/g	7/16/2015	10/22/2015	9	0	0	12	18	--	No	No
UPR-200-E-89	Nitrite	14797-65-0	ug/kg	4/29/2008	10/22/2015	10	0	0	1,010	1,140	--	No	No
UPR-200-E-89	Nitrobenzene	98-95-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomorpholine	59-89-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorophenol	87-86-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Phenanthrene	85-01-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	4,800	No	No
UPR-200-E-89	Phenol	108-95-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Plutonium-238	13981-16-3	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.62	20,900	No	No
UPR-200-E-89	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	10/22/2015	9	0	0	0.39	0.75	22,300	No	No
UPR-200-E-89	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3,440	3,490	--	No	No
UPR-200-E-89	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pyrene	129-00-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	1,855	No	No
UPR-200-E-89	Pyridine	110-86-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Styrene	100-42-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Technetium-99	14133-76-7	pCi/g	7/16/2015	10/22/2015	6	0	0	9.5	12	137,000	No	No
UPR-200-E-89	Tetrachloroethene	127-18-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	82,067	No	No
UPR-200-E-89	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
UPR-200-E-89	Total cresols	1319-77-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	0	200,000	200,000	--	No	No
UPR-200-E-89	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	7/16/2015	10/22/2015	8	0	0	1,150	1,170	3.56E+07	No	No
UPR-200-E-89	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Trichloroethene	79-01-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	82,449	No	No
UPR-200-E-89	Tritium	10028-17-8	pCi/g	7/16/2015	10/22/2015	9	0	0	14	28	936	No	No
UPR-200-E-89	Uranium-235	15117-96-1	pCi/g	7/16/2015	10/22/2015	9	0	0	0.19	0.88	4,360	No	No
UPR-200-E-89	Vinyl chloride	75-01-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Xylenes (total)	1330-20-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	194,000	No	No
UPR-200-W-99	1,1,1-Trichloroethane	71-55-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	82,421	No	No
UPR-200-W-99	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	82,412	No	No
UPR-200-W-99	1,1,2-Trichloroethane	79-00-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	82,619	No	No
UPR-200-W-99	1,1-Dichloroethane	75-34-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	82,667	No	No
UPR-200-W-99	1,1-Dichloroethene	75-35-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	82,542	No	No
UPR-200-W-99	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	--	No	No
UPR-200-W-99	1,2-Dichlorobenzene	95-50-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	82,054	No	No
UPR-200-W-99	1,2-Dichloroethane	107-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	84,320	No	No
UPR-200-W-99	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2-Dichloropropane	78-87-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,3-Dichlorobenzene	541-73-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	82,026	No	No
UPR-200-W-99	1,4-Dichlorobenzene	106-46-7	ug/kg	8/22/2000	5/12/2009	3	0	0	260	380	--	No	No
UPR-200-W-99	1-Butanol	71-36-3	ug/kg	10/28/2002	10/28/2002	1	0	0	26,000	26,000	--	No	No
UPR-200-W-99	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dichlorophenol	120-83-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dimethylphenol	105-67-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dinitrophenol	51-28-5	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4-Dinitrotoluene	121-14-2	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	203	No	Yes
UPR-200-W-99	2,6-Dinitrotoluene	606-20-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Chloronaphthalene	91-58-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Hexanone	591-78-6	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	185,629	No	No
UPR-200-W-99	2-Methylnaphthalene	91-57-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	154,737	No	No
UPR-200-W-99	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Nitroaniline	88-74-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2-Nitrophenol	88-75-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/22/2000	8/22/2000	1	0	0	340	340	--	No	No
UPR-200-W-99	3-Nitroaniline	99-09-2	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chloroaniline	106-47-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Methyl-2-pentanone	108-10-1	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	4-Nitroaniline	100-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Nitrophenol	100-02-7	ug/kg	8/22/2000	5/12/2009	3	0	0	340	960	--	No	No
UPR-200-W-99	Acenaphthene	83-32-9	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	109,594	No	No
UPR-200-W-99	Acenaphthylene	208-96-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	7,361	No	No
UPR-200-W-99	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	1	0	0	3,650	3,650	--	No	No
UPR-200-W-99	Anthracene	120-12-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	67,831	No	No
UPR-200-W-99	Antimony	7440-36-0	ug/kg	10/28/2002	10/28/2002	1	0	0	190	190	--	No	No
UPR-200-W-99	Antimony-125	14234-35-6	pCi/g	10/28/2002	5/12/2009	2	0	0	0.030	0.22	4,580	No	No
UPR-200-W-99	Aroclor-1016	12674-11-2	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	332	No	No
UPR-200-W-99	Aroclor-1221	11104-28-2	ug/kg	10/28/2002	5/12/2009	2	0	0	20	77	332	No	No
UPR-200-W-99	Aroclor-1232	11141-16-5	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	332	No	No
UPR-200-W-99	Aroclor-1242	53469-21-9	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	332	No	No
UPR-200-W-99	Aroclor-1248	12672-29-6	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	332	No	No

Table A-7. Comparison of Minimum and Maximum MDLs and MDAs to the Killdeer Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
UPR-200-W-99	Aroclor-1254	11097-69-1	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	332	No	No
UPR-200-W-99	Aroclor-1262	37324-23-5	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Aroclor-1268	11100-14-4	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Benzene	71-43-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	195,000	No	No
UPR-200-W-99	Benzo(a)anthracene	56-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	2,034	No	No
UPR-200-W-99	Benzo(a)pyrene	50-32-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	2,411	No	No
UPR-200-W-99	Benzo(b)fluoranthene	205-99-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1,265	No	No
UPR-200-W-99	Benzo(ghi)perylene	191-24-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1,122	No	No
UPR-200-W-99	Benzo(k)fluoranthene	207-08-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1,265	No	No
UPR-200-W-99	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bismuth	7440-69-9	ug/kg	10/28/2002	5/12/2009	2	0	0	670	2,300	--	No	No
UPR-200-W-99	Bromodichloromethane	75-27-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromoform	75-25-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromomethane	74-83-9	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbazole	86-74-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbon disulfide	75-15-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Carbon tetrachloride	56-23-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	82,278	No	No
UPR-200-W-99	Cesium-134	13967-70-9	pCi/g	10/28/2002	5/12/2009	2	0	0	0.014	0.12	1,200	No	No
UPR-200-W-99	Chlorobenzene	108-90-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	82,283	No	No
UPR-200-W-99	Chloroethane	75-00-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chloroform	67-66-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	82,596	No	No
UPR-200-W-99	Chloromethane	74-87-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chrysene	218-01-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1,431	No	No
UPR-200-W-99	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Cobalt-60	10198-40-0	pCi/g	8/22/2000	5/12/2009	4	0	0	0.010	0.10	805	No	No
UPR-200-W-99	Cyanide	57-12-5	ug/kg	8/22/2000	5/12/2009	3	0	0	200	550	--	No	No
UPR-200-W-99	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1,419	No	No
UPR-200-W-99	Dibenzofuran	132-64-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dibromochloromethane	124-48-1	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Diethylphthalate	84-66-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dimethyl phthalate	131-11-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Di-n-octylphthalate	117-84-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Ethylbenzene	100-41-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	194,000	No	No
UPR-200-W-99	Europium-152	14683-23-9	pCi/g	8/22/2000	5/12/2009	4	0	0	0.033	0.23	1,740	No	No
UPR-200-W-99	Europium-154	15585-10-1	pCi/g	8/22/2000	5/12/2009	4	0	0	0.031	0.35	1,610	No	No
UPR-200-W-99	Europium-155	14391-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.046	0.19	33,400	No	No
UPR-200-W-99	Fluoranthene	206-44-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1,086	No	No
UPR-200-W-99	Fluorene	86-73-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	800	No	No
UPR-200-W-99	Hexachlorobenzene	118-74-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorobutadiene	87-68-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachloroethane	67-72-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1,153	No	No
UPR-200-W-99	Iodine-129	15046-84-1	pCi/g	8/22/2000	5/12/2009	3	0	0	1.3	1.7	--	No	No
UPR-200-W-99	Isophorone	78-59-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Mercury	7439-97-6	ug/kg	8/22/2000	5/12/2009	3	0	0	20	50	5,600	No	No
UPR-200-W-99	Naphthalene	91-20-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	415,858	No	No
UPR-200-W-99	Neptunium-237	13994-20-2	pCi/g	10/28/2002	5/12/2009	2	0	0	0.093	0.12	7,880	No	No
UPR-200-W-99	Nickel-63	13981-37-8	pCi/g	10/28/2002	5/12/2009	2	0	0	2.2	3.3	--	No	No
UPR-200-W-99	Nitrite	14797-65-0	ug/kg	10/28/2002	10/28/2002	1	0	0	1,440	1,440	--	No	No
UPR-200-W-99	Nitrobenzene	98-95-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Pentachlorophenol	87-86-5	ug/kg	8/22/2000	5/12/2009	3	0	0	410	960	--	No	No
UPR-200-W-99	Phenanthrene	85-01-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	4,800	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Killdeer PRG	Is Minimum MDL or MDA > Killdeer PRG?	Is Maximum MDL or MDA > Killdeer PRG?
UPR-200-W-99	Plutonium-238	13981-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.023	0.19	20,900	No	No
UPR-200-W-99	Pyridine	110-86-1	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Silver	7440-22-4	ug/kg	8/22/2000	5/12/2009	3	0	0	99	160	4,962	No	No
UPR-200-W-99	Styrene	100-42-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Sulfide	18496-25-8	ug/kg	8/22/2000	8/22/2000	1	0	0	20,600	20,600	--	No	No
UPR-200-W-99	Technetium-99	14133-76-7	pCi/g	8/22/2000	5/12/2009	4	0	0	0.38	0.61	137,000	No	No
UPR-200-W-99	Tetrachloroethene	127-18-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	82,067	No	No
UPR-200-W-99	Tin-126	15832-50-5	pCi/g	10/28/2002	10/28/2002	1	0	0	0.10	0.10	--	No	No
UPR-200-W-99	Toluene	108-88-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	195,000	No	No
UPR-200-W-99	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/28/2002	10/28/2002	1	0	0	33	33	--	No	No
UPR-200-W-99	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	5/12/2009	2	0	0	150	380	--	No	No
UPR-200-W-99	Trichloroethene	79-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	82,449	No	No
UPR-200-W-99	Tritium	10028-17-8	pCi/g	8/22/2000	5/12/2009	4	0	0	0.091	3.6	936	No	No
UPR-200-W-99	Vinyl chloride	75-01-4	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Xylenes (total)	1330-20-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	194,000	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
200-E-115	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	1,1,1-Trichloroethane	71-55-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	8.94E+06	No	No
200-E-115	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.25	9.55E+06	No	No
200-E-115	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	--	No	No
200-E-115	1,1,2-Trichloroethane	79-00-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.19	1.20E+07	No	No
200-E-115	1,1-Dichloroethene	75-35-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.35	0.49	1.14E+07	No	No
200-E-115	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/17/2010	8/29/2010	8	0	0	75	77	--	No	No
200-E-115	1,2-Dichlorobenzene	95-50-1	ug/kg	8/17/2010	8/29/2010	8	0	0	97	101	4.34E+06	No	No
200-E-115	1,2-Dichloroethane	107-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.044	0.063	1.61E+07	No	No
200-E-115	1-Butanol	71-36-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.5	12	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.00E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	5.10E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,3,5-Trichlorobiphenyl	55720-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.80E-04	--	No	No
200-E-115	2',3,5-Trichlorobiphenyl	37680-68-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	2,3,6-Trichlorobiphenyl	55702-45-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	8.30E-04	--	No	No
200-E-115	2,3',6-Trichlorobiphenyl	38444-76-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	7.10E-04	--	No	No
200-E-115	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.10E-04	0.0019	--	No	No
200-E-115	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.60E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/17/2010	8/29/2010	8	0	0	42	44	--	No	No
200-E-115	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	48	50	--	No	No
200-E-115	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.30E-04	0.0020	--	No	No
200-E-115	2,4-Dinitrotoluene	121-14-2	ug/kg	8/17/2010	8/29/2010	8	0	0	37	38	7,169	No	No
200-E-115	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	8.40E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	9.00E-04	0.0021	--	No	No
200-E-115	2-Butanone	78-93-3	ug/kg	8/17/2010	8/29/2010	8	0	0	1.6	2.3	1.15E+07	No	No
200-E-115	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	8/29/2010	8	0	0	64	67	--	No	No
200-E-115	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/17/2010	8/29/2010	8	0	0	92	94	--	No	No
200-E-115	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/17/2010	8/29/2010	8	0	0	55	58	--	No	No
200-E-115	2-Nitrophenol	88-75-5	ug/kg	8/17/2010	8/29/2010	8	0	0	52	54	--	No	No
200-E-115	2-Nitropropane	79-46-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',4-Trichlorobiphenyl	37680-69-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,4,5-Trichlorobiphenyl	53555-66-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	6.00E-04	--	No	No
200-E-115	3,4',5-Trichlorobiphenyl	38444-88-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04	--	No	No
200-E-115	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	7.10E-04	0.0017	--	No	No
200-E-115	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/17/2010	8/29/2010	8	0	0	50	51	--	No	No
200-E-115	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04	--	No	No
200-E-115	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.085	0.26	--	No	No
200-E-115	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.41	1.2	--	No	No
200-E-115	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.65	2.0	--	No	No
200-E-115	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	8.80E-04	0.0023	--	No	No
200-E-115	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	42	43	--	No	No
200-E-115	4-Methyl-2-pentanone	108-10-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.4	2.0	--	No	No
200-E-115	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.90E-04	--	No	No
200-E-115	Acenaphthene	83-32-9	ug/kg	8/17/2010	8/29/2010	8	0	0	17	18	3.84E+07	No	No
200-E-115	Acetone	67-64-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.8	2.6	--	No	No
200-E-115	Aldrin	309-00-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.32	0.98	2.0	No	No
200-E-115	Alpha-BHC	319-84-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.42	--	No	No
200-E-115	Americium-241	14596-10-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.42	0.61	17,600	No	No
200-E-115	Antimony-125	14234-35-6	pCi/g	8/17/2010	8/29/2010	8	0	0	0.71	1.2	5,040	No	No
200-E-115	Aroclor-1016	12674-11-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	21,753	No	No
200-E-115	Aroclor-1221	11104-28-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	24,018	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
200-E-115	Aroclor-1232	11141-16-5	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	26,236	No	No
200-E-115	Aroclor-1242	53469-21-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	25,551	No	No
200-E-115	Aroclor-1248	12672-29-6	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	24,335	No	No
200-E-115	Aroclor-1254	11097-69-1	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	27,265	No	No
200-E-115	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	51,489	No	No
200-E-115	Benzene	71-43-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.12	0.17	2.71E+07	No	No
200-E-115	Benzo(a)anthracene	56-55-3	ug/kg	8/17/2010	8/29/2010	8	0	0	36	38	767,233	No	No
200-E-115	Benzo(a)pyrene	50-32-8	ug/kg	8/17/2010	8/29/2010	8	0	0	40	41	767,233	No	No
200-E-115	Benzo(b)fluoranthene	205-99-2	ug/kg	8/17/2010	8/29/2010	8	0	0	47	49	767,233	No	No
200-E-115	Benzo(k)fluoranthene	207-08-9	ug/kg	8/17/2010	8/29/2010	8	0	0	38	39	767,233	No	No
200-E-115	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.31	0.96	112,239	No	No
200-E-115	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/17/2010	8/29/2010	8	0	0	568	590	310	Yes	Yes
200-E-115	Bismuth	7440-69-9	ug/kg	8/18/2010	8/18/2010	1	0	0	8,310	8,310	--	No	No
200-E-115	Bromide	24959-67-9	ug/kg	8/17/2010	8/29/2010	8	0	0	567	580	--	No	No
200-E-115	Carbon disulfide	75-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.13	0.19	--	No	No
200-E-115	Carbon tetrachloride	56-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	7.38E+06	No	No
200-E-115	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	8/29/2010	8	0	0	176	182	--	No	No
200-E-115	Cesium-137	10045-97-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.34	0.58	1,430	No	No
200-E-115	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12	301,529	No	No
200-E-115	Chlorobenzene	108-90-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.071	0.10	6.67E+06	No	No
200-E-115	Chloroform	67-66-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.11	0.15	1.30E+07	No	No
200-E-115	Chrysene	218-01-9	ug/kg	8/17/2010	8/29/2010	8	0	0	78	81	767,233	No	No
200-E-115	cis-1,2-Dichloroethylene	156-59-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.15	0.21	1.34E+07	No	No
200-E-115	Cobalt-60	10198-40-0	pCi/g	8/17/2010	8/29/2010	8	0	0	0.28	0.44	863	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	Curium-242	15510-73-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-E-115	Curium-243/244	CM-243/244	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	204,000	No	No
200-E-115	Cyanide	57-12-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2,600	2,680	--	No	No
200-E-115	Cyclohexanone	108-94-1	ug/kg	8/17/2010	8/29/2010	8	0	0	537	558	--	No	No
200-E-115	Delta-BHC	319-86-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.77	--	No	No
200-E-115	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	767,233	No	No
200-E-115	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	8/29/2010	8	0	0	870	920	--	No	No
200-E-115	Dieldrin	60-57-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.69	1,641	No	No
200-E-115	Diethyl ether	60-29-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.21	0.30	--	No	No
200-E-115	Di-n-octylphthalate	117-84-0	ug/kg	8/17/2010	8/29/2010	8	0	0	46	48	--	No	No
200-E-115	Endrin	72-20-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.43	--	No	No
200-E-115	Ethyl acetate	141-78-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	Ethylbenzene	100-41-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.088	0.13	1.27E+07	No	No
200-E-115	Ethylene glycol	107-21-1	ug/kg	8/17/2010	8/29/2010	8	0	0	13,000	14,000	--	No	No
200-E-115	Europium-152	14683-23-9	pCi/g	8/17/2010	8/29/2010	8	0	0	1.4	2.0	1,880	No	No
200-E-115	Europium-154	15585-10-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.89	1.5	1,740	No	No
200-E-115	Europium-155	14391-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.46	1.0	37,300	No	No
200-E-115	Fluoranthene	206-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	34	35	767,233	No	No
200-E-115	Gamma-BHC (Lindane)	58-89-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.18	0.54	--	No	No
200-E-115	Heptachlor epoxide	1024-57-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.45	1.4	--	No	No
200-E-115	Heptachlor	76-44-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.099	0.30	--	No	No
200-E-115	Hexachlorobutadiene	87-68-3	ug/kg	8/17/2010	8/29/2010	8	0	0	67	70	--	No	No
200-E-115	Hexachloroethane	67-72-1	ug/kg	8/17/2010	8/29/2010	8	0	0	108	112	--	No	No
200-E-115	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	767,233	No	No
200-E-115	Iodine-129	15046-84-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.14	0.22	--	No	No
200-E-115	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	443	460	--	No	No
200-E-115	Mercury	7439-97-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.2	9.8	162,810	No	No
200-E-115	Methylene chloride	75-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.053	0.075	1.73E+07	No	No
200-E-115	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	630	680	--	No	No
200-E-115	Naphthalene	91-20-3	ug/kg	8/17/2010	8/29/2010	8	0	0	60	63	3.84E+07	No	No
200-E-115	Nickel-63	13981-37-8	pCi/g	8/17/2010	8/29/2010	8	0	0	4.3	5.9	--	No	No
200-E-115	Nitrobenzene	98-95-3	ug/kg	8/17/2010	8/29/2010	8	0	0	62	65	--	No	No
200-E-115	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	8/29/2010	8	0	0	56	58	--	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
200-E-115	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	8/29/2010	8	0	0	184	191	--	No	No
200-E-115	o-Xylene	95-47-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	--	No	No
200-E-115	Plutonium-238	13981-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	26,800	No	No
200-E-115	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	28,400	No	No
200-E-115	Pyrene	129-00-0	ug/kg	8/17/2010	8/29/2010	8	0	0	61	63	767,233	No	No
200-E-115	Pyridine	110-86-1	ug/kg	8/17/2010	8/29/2010	8	0	0	63	65	--	No	No
200-E-115	Strontium-90	10098-97-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.18	0.57	112	No	No
200-E-115	Tetrachloroethene	127-18-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.090	0.13	7.73E+06	No	No
200-E-115	Total cresols	1319-77-3	ug/kg	8/17/2010	8/29/2010	8	0	0	103	107	--	No	No
200-E-115	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	8/17/2010	8/29/2010	8	0	0	10	11	--	No	No
200-E-115	trans-1,2-Dichloroethylene	156-60-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.35	1.19E+07	No	No
200-E-115	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.32	--	No	No
200-E-115	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	8/29/2010	8	0	0	104	108	--	No	No
200-E-115	Trichloroethene	79-01-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.100	0.14	7.50E+06	No	No
200-E-115	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	--	No	No
200-E-115	Vinyl chloride	75-01-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	Xylenes (total)	1330-20-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.24	1.34E+07	No	No
200-W-54	1,1,1-Trichloroethane	71-55-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	8.94E+06	No	No
200-W-54	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	9.55E+06	No	No
200-W-54	1,1,2-Trichloroethane	79-00-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.20E+07	No	No
200-W-54	1,1-Dichloroethane	75-34-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.40E+07	No	No
200-W-54	1,1-Dichloroethene	75-35-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.14E+07	No	No
200-W-54	1,2,4-Trichlorobenzene	120-82-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,2-Dichlorobenzene	95-50-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4.34E+06	No	No
200-W-54	1,2-Dichloroethane	107-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.61E+07	No	No
200-W-54	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,2-Dichloropropane	78-87-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,3-Dichlorobenzene	541-73-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4.05E+06	No	No
200-W-54	1,4-Dichlorobenzene	106-46-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4,5-Trichlorophenol	95-95-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4,6-Trichlorophenol	88-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dichlorophenol	120-83-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dimethylphenol	105-67-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dinitrophenol	51-28-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4-Dinitrotoluene	121-14-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	7,169	No	No
200-W-54	2,6-Dinitrotoluene	606-20-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Butanone	78-93-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	1.15E+07	No	No
200-W-54	2-Chloronaphthalene	91-58-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Hexanone	591-78-6	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	9.65E+06	No	No
200-W-54	2-Methylnaphthalene	91-57-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3.84E+07	No	No
200-W-54	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Nitroaniline	88-74-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2-Nitrophenol	88-75-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3,3'-Dichlorobenzidine	91-94-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3-Nitroaniline	99-09-2	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Bromophenylphenyl ether	101-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloroaniline	106-47-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Methyl-2-pentanone	108-10-1	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	4-Nitroaniline	100-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Nitrophenol	100-02-7	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Acenaphthene	83-32-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3.84E+07	No	No
200-W-54	Acenaphthylene	208-96-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3.84E+07	No	No
200-W-54	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.13	0.13	17,600	No	No
200-W-54	Anthracene	120-12-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3.84E+07	No	No
200-W-54	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	21,753	No	No
200-W-54	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/19/2001	1	0	0	69	69	24,018	No	No
200-W-54	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	26,236	No	No
200-W-54	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	25,551	No	No
200-W-54	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	24,335	No	No
200-W-54	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	27,265	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
200-W-54	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	51,489	No	No
200-W-54	Benzene	71-43-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	2.71E+07	No	No
200-W-54	Benzo(a)anthracene	56-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	767,233	No	No
200-W-54	Benzo(a)pyrene	50-32-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	767,233	No	No
200-W-54	Benzo(b)fluoranthene	205-99-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	767,233	No	No
200-W-54	Benzo(ghi)perylene	191-24-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	767,233	No	No
200-W-54	Benzo(k)fluoranthene	207-08-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	767,233	No	No
200-W-54	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-chloroethyl) ether	111-44-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	310	Yes	Yes
200-W-54	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Bromodichloromethane	75-27-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromoform	75-25-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromomethane	74-83-9	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbazole	86-74-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbon disulfide	75-15-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Carbon tetrachloride	56-23-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	7.38E+06	No	No
200-W-54	Carbon-14	14762-75-5	pCi/g	10/19/2001	10/19/2001	1	0	0	3.9	3.9	50	No	No
200-W-54	Chlorobenzene	108-90-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	6.67E+06	No	No
200-W-54	Chloroethane	75-00-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.30E+07	No	No
200-W-54	Chloromethane	74-87-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chrysene	218-01-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	767,233	No	No
200-W-54	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Cobalt-60	10198-40-0	pCi/g	10/19/2001	10/19/2001	1	0	0	0.044	0.044	863	No	No
200-W-54	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	1	0	0	450	450	--	No	No
200-W-54	Dibenz(a,h)anthracene	53-70-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	767,233	No	No
200-W-54	Dibenzofuran	132-64-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dibromochloromethane	124-48-1	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dimethyl phthalate	131-11-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-octylphthalate	117-84-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Ethylbenzene	100-41-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.27E+07	No	No
200-W-54	Europium-152	14683-23-9	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	1,880	No	No
200-W-54	Europium-154	15585-10-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.14	0.14	1,740	No	No
200-W-54	Europium-155	14391-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.11	0.11	37,300	No	No
200-W-54	Fluoranthene	206-44-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	767,233	No	No
200-W-54	Fluorene	86-73-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3.84E+07	No	No
200-W-54	Hexachlorobenzene	118-74-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorobutadiene	87-68-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorocyclopentadiene	77-47-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachloroethane	67-72-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	767,233	No	No
200-W-54	Isophorone	78-59-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Naphthalene	91-20-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3.84E+07	No	No
200-W-54	Neptunium-237	13994-20-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.060	0.060	9,150	No	No
200-W-54	Nickel-63	13981-37-8	pCi/g	10/19/2001	10/19/2001	1	0	0	2.1	2.1	--	No	No
200-W-54	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	1	0	0	1,290	1,290	--	No	No
200-W-54	Nitrobenzene	98-95-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodiphenylamine	86-30-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Pentachlorophenol	87-86-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Phenanthrene	85-01-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3.84E+07	No	No
200-W-54	Phenol	108-95-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Plutonium-238	13981-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	26,800	No	No
200-W-54	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	28,400	No	No
200-W-54	Pyrene	129-00-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	767,233	No	No
200-W-54	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Strontium-90	10098-97-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.33	0.33	112	No	No
200-W-54	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	1	0	0	36,000	36,000	--	No	No
200-W-54	Technetium-99	14133-76-7	pCi/g	10/19/2001	10/19/2001	1	0	0	0.41	0.41	279,000	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
200-W-54	Tetrachloroethene	127-18-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	7.73E+06	No	No
200-W-54	Toluene	108-88-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.72E+07	No	No
200-W-54	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	5.90E+08	No	No
200-W-54	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	10/19/2001	1	0	0	2,000	2,000	--	No	No
200-W-54	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	5.90E+08	No	No
200-W-54	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Trichloroethene	79-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	7.50E+06	No	No
200-W-54	Tritium	10028-17-8	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	1,130	No	No
200-W-54	Uranium-235	15117-96-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.18	0.18	10,200	No	No
200-W-54	Vinyl chloride	75-01-4	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Xylenes (total)	1330-20-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.34E+07	No	No
207-A-South	1,1,1-Trichloroethane	71-55-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	8.94E+06	No	No
207-A-South	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	9.55E+06	No	No
207-A-South	1,1,2-Trichloroethane	79-00-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.20E+07	No	No
207-A-South	1,1-Dichloroethane	75-34-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.40E+07	No	No
207-A-South	1,1-Dichloroethene	75-35-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.14E+07	No	No
207-A-South	1,2,4-Trichlorobenzene	120-82-1	ug/kg	9/10/2003	9/10/2003	3	0	0	300	300	--	No	No
207-A-South	1,2-Dichlorobenzene	95-50-1	ug/kg	9/10/2003	9/10/2003	3	0	0	370	370	4.34E+06	No	No
207-A-South	1,2-Dichloroethane	107-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.61E+07	No	No
207-A-South	1,2-Dichloroethene (Total)	540-59-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2-Dichloropropane	78-87-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,3-Dichlorobenzene	541-73-1	ug/kg	9/10/2003	9/10/2003	3	0	0	330	330	4.05E+06	No	No
207-A-South	1,4-Dichlorobenzene	106-46-7	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	1-Butanol	71-36-3	ug/kg	9/10/2003	9/10/2003	3	0	0	41	41	--	No	No
207-A-South	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	2,4,5-Trichlorophenol	95-95-4	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	2,4,6-Trichlorophenol	88-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	2,4-Dichlorophenol	120-83-2	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	2,4-Dimethylphenol	105-67-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-Dinitrophenol	51-28-5	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	2,4-Dinitrotoluene	121-14-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	7,169	No	No
207-A-South	2,6-Dinitrotoluene	606-20-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.15E+07	No	No
207-A-South	2-Butoxyethanol	111-76-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	2-Chloronaphthalene	91-58-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	3	0	0	150	150	--	No	No
207-A-South	2-Hexanone	591-78-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	9.65E+06	No	No
207-A-South	2-Methylnaphthalene	91-57-6	ug/kg	9/10/2003	9/10/2003	3	0	0	180	190	3.84E+07	No	No
207-A-South	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	9/10/2003	11/12/2015	27	0	0	34	113	--	No	No
207-A-South	2-Nitroaniline	88-74-4	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Nitrophenol	88-75-5	ug/kg	9/10/2003	9/10/2003	3	0	0	180	180	--	No	No
207-A-South	2-Pentanone	107-87-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	3,3'-Dichlorobenzidine	91-94-1	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	9/10/2003	11/12/2015	27	0	0	69	120	--	No	No
207-A-South	3-Nitroaniline	99-09-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	4-Bromophenylphenyl ether	101-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloroaniline	106-47-8	ug/kg	9/10/2003	9/10/2003	3	0	0	95	96	--	No	No
207-A-South	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Methyl-2-pentanone	108-10-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	4-Nitroaniline	100-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	4-Nitrophenol	100-02-7	ug/kg	9/10/2003	9/10/2003	3	0	0	660	670	--	No	No
207-A-South	Acenaphthene	83-32-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3.84E+07	No	No
207-A-South	Acenaphthylene	208-96-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	3.84E+07	No	No
207-A-South	Acetone	67-64-1	ug/kg	9/10/2003	11/12/2015	27	0	0	2.0	4.0	--	No	No
207-A-South	Aldrin	309-00-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	2.0	No	No
207-A-South	Alpha-BHC	319-84-6	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Alpha-Chlordane	5103-71-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	3	0	0	258	258	--	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
207-A-South	Anthracene	120-12-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3.84E+07	No	No
207-A-South	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	4,930	--	No	No
207-A-South	Aroclor-1016	12674-11-2	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	21,753	No	No
207-A-South	Aroclor-1221	11104-28-2	ug/kg	9/10/2003	9/10/2003	3	0	0	99	100	24,018	No	No
207-A-South	Aroclor-1232	11141-16-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	26,236	No	No
207-A-South	Aroclor-1242	53469-21-9	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	25,551	No	No
207-A-South	Aroclor-1248	12672-29-6	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	24,335	No	No
207-A-South	Aroclor-1254	11097-69-1	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	27,265	No	No
207-A-South	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	51,489	No	No
207-A-South	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	9.25E+06	No	No
207-A-South	Benzene	71-43-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2.71E+07	No	No
207-A-South	Benzo(a)anthracene	56-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	767,233	No	No
207-A-South	Benzo(a)pyrene	50-32-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	767,233	No	No
207-A-South	Benzo(b)fluoranthene	205-99-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	767,233	No	No
207-A-South	Benzo(ghi)perylene	191-24-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	767,233	No	No
207-A-South	Benzo(k)fluoranthene	207-08-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	767,233	No	No
207-A-South	Benzyl alcohol	100-51-6	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	--	No	No
207-A-South	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	112,239	No	No
207-A-South	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	9/10/2003	9/10/2003	3	0	0	260	260	--	No	No
207-A-South	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	9/10/2003	9/10/2003	3	0	0	120	120	--	No	No
207-A-South	Bis(2-chloroethyl) ether	111-44-4	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	3	0	0	570	580	310	Yes	Yes
207-A-South	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	3	0	0	4,970	5,000	--	No	No
207-A-South	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	3	0	0	5,070	5,100	782,000	No	No
207-A-South	Bromodichloromethane	75-27-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromoform	75-25-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromomethane	74-83-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	935,000	No	No
207-A-South	Carbazole	86-74-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	Carbon disulfide	75-15-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Carbon tetrachloride	56-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	7.38E+06	No	No
207-A-South	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	3.8	50	No	No
207-A-South	Chlorobenzene	108-90-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	6.67E+06	No	No
207-A-South	Chloroethane	75-00-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.30E+07	No	No
207-A-South	Chloromethane	74-87-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	584,000	No	No
207-A-South	Chrysene	218-01-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	767,233	No	No
207-A-South	cis-1,3-Dichloropropene	10061-01-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	3	0	0	200	200	--	No	No
207-A-South	Dalapon	75-99-0	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Delta-BHC	319-86-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Dibenz(a,h)anthracene	53-70-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	767,233	No	No
207-A-South	Dibenzofuran	132-64-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dibromochloromethane	124-48-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Dicamba	1918-00-9	ug/kg	9/3/2003	9/4/2003	5	0	0	70	75	--	No	No
207-A-South	Dichloroprop	120-36-5	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Dieldrin	60-57-1	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	1,641	No	No
207-A-South	Diethyl ether	60-29-7	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Dimethyl phthalate	131-11-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	3	0	0	89	89	--	No	No
207-A-South	Di-n-octylphthalate	117-84-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Endosulfan I	959-98-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	1.67E+06	No	No
207-A-South	Endosulfan II	33213-65-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	1.67E+06	No	No
207-A-South	Endosulfan sulfate	1031-07-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	2.16E+06	No	No
207-A-South	Endrin aldehyde	7421-93-4	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	52,861	No	No
207-A-South	Endrin ketone	53494-70-5	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin	72-20-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Ethylbenzene	100-41-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.27E+07	No	No
207-A-South	Ethylene glycol	107-21-1	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
207-A-South	Fluoranthene	206-44-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	767,233	No	No
207-A-South	Fluorene	86-73-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3.84E+07	No	No
207-A-South	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	3	0	0	350	350	9.21E+06	No	No
207-A-South	Gamma-BHC (Lindane)	58-89-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor epoxide	1024-57-3	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor	76-44-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Hexachlorobenzene	118-74-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Hexachlorobutadiene	87-68-3	ug/kg	9/10/2003	9/10/2003	3	0	0	370	380	--	No	No
207-A-South	Hexachlorocyclopentadiene	77-47-4	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	Hexachloroethane	67-72-1	ug/kg	9/10/2003	9/10/2003	3	0	0	480	480	--	No	No
207-A-South	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/10/2003	12	0	0	410	450	--	No	No
207-A-South	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	767,233	No	No
207-A-South	Iodine-129	15046-84-1	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	12	--	No	No
207-A-South	Isophorone	78-59-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	3	0	0	11,700	11,800	966,000	No	No
207-A-South	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	162,810	No	No
207-A-South	Methanol	67-56-1	ug/kg	9/10/2003	9/10/2003	3	0	0	1,000	1,000	--	No	No
207-A-South	Methoxychlor	72-43-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Methylene chloride	75-09-2	ug/kg	9/10/2003	11/12/2015	27	0	0	1.3	6.7	1.73E+07	No	No
207-A-South	Naphthalene	91-20-3	ug/kg	9/10/2003	9/10/2003	3	0	0	290	290	3.84E+07	No	No
207-A-South	n-Butylbenzene	104-51-8	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	7.86E+06	No	No
207-A-South	Neptunium-237	13994-20-2	pCi/g	9/3/2003	9/10/2003	12	0	0	0.017	0.29	9,150	No	No
207-A-South	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	6,500	6.04E+06	No	No
207-A-South	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/10/2003	12	0	0	2.3	2.8	--	No	No
207-A-South	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	3	0	0	1,480	1,480	--	No	No
207-A-South	Nitrobenzene	98-95-3	ug/kg	9/10/2003	9/10/2003	3	0	0	270	270	--	No	No
207-A-South	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	n-Nitrosodiphenylamine	86-30-6	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Oil and grease	OIL/GREASE	ug/kg	9/3/2003	9/10/2003	12	0	0	680,000	748,000	--	No	No
207-A-South	Pentachlorophenol	87-86-5	ug/kg	9/10/2003	9/10/2003	3	0	0	310	310	--	No	No
207-A-South	Phenanthrene	85-01-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3.84E+07	No	No
207-A-South	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	3	0	0	1,990	1,990	--	No	No
207-A-South	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	767,233	No	No
207-A-South	Ruthenium-103	13968-53-1	pCi/g	9/10/2003	9/10/2003	3	0	0	0.0090	0.015	--	No	No
207-A-South	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	12,000	No	No
207-A-South	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/10/2003	12	0	0	0.44	0.61	279,000	No	No
207-A-South	Tetrachloroethene	127-18-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	7.73E+06	No	No
207-A-South	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	3	0	0	0.090	0.20	--	No	No
207-A-South	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.72E+07	No	No
207-A-South	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	5.90E+08	No	No
207-A-South	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	5.90E+08	No	No
207-A-South	Toxaphene	8001-35-2	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	trans-1,3-Dichloropropene	10061-02-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	trans-Chlordane	5103-74-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Trichloroethene	79-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	7.50E+06	No	No
207-A-South	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	82,000	No	No
207-A-South	Vinyl chloride	75-01-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Xylenes (total)	1330-20-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.34E+07	No	No
207-T	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	8.94E+06	No	No
207-T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	9.55E+06	No	No
207-T	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.20E+07	No	No
207-T	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.40E+07	No	No
207-T	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.14E+07	No	No
207-T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4.34E+06	No	No
207-T	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.61E+07	No	No
207-T	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4.05E+06	No	No
207-T	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
207-T	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	7,169	No	No
207-T	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Butanone	78-93-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	1.15E+07	No	No
207-T	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Hexanone	591-78-6	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	9.65E+06	No	No
207-T	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3.84E+07	No	No
207-T	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Acenaphthene	83-32-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3.84E+07	No	No
207-T	Acenaphthylene	208-96-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3.84E+07	No	No
207-T	Americium-241	14596-10-2	pCi/g	8/7/2000	11/30/2000	6	0	0	0.050	0.21	17,600	No	No
207-T	Anthracene	120-12-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3.84E+07	No	No
207-T	Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0	0.028	0.034	--	No	No
207-T	Benzene	71-43-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	2.71E+07	No	No
207-T	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	767,233	No	No
207-T	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	767,233	No	No
207-T	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	767,233	No	No
207-T	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	767,233	No	No
207-T	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	767,233	No	No
207-T	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromoform	75-25-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromomethane	74-83-9	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Cadmium	7440-43-9	ug/kg	8/7/2000	11/30/2000	3	0	0	30	30	935,000	No	No
207-T	Carbazole	86-74-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Carbon disulfide	75-15-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	7.38E+06	No	No
207-T	Chlorobenzene	108-90-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	6.67E+06	No	No
207-T	Chloroethane	75-00-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chloroform	67-66-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.30E+07	No	No
207-T	Chloromethane	74-87-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chrysene	218-01-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	767,233	No	No
207-T	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Cyanide	57-12-5	ug/kg	8/7/2000	11/30/2000	3	0	0	490	540	--	No	No
207-T	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	767,233	No	No
207-T	Dibenzofuran	132-64-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Diethylphthalate	84-66-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Ethylbenzene	100-41-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.27E+07	No	No
207-T	Fluoranthene	206-44-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	767,233	No	No
207-T	Fluorene	86-73-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3.84E+07	No	No
207-T	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
207-T	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachloroethane	67-72-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	767,233	No	No
207-T	Iodine-129	15046-84-1	pCi/g	8/7/2000	11/30/2000	6	0	0	1.2	3.8	--	No	No
207-T	Isophorone	78-59-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Mercury	7439-97-6	ug/kg	8/7/2000	11/30/2000	3	0	0	20	20	162,810	No	No
207-T	Naphthalene	91-20-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3.84E+07	No	No
207-T	Nitrobenzene	98-95-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Phenanthrene	85-01-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3.84E+07	No	No
207-T	Pyrene	129-00-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	767,233	No	No
207-T	Selenium	7782-49-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	440	12,000	No	No
207-T	Silver	7440-22-4	ug/kg	8/7/2000	11/30/2000	3	0	0	100	110	2.02E+06	No	No
207-T	Styrene	100-42-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Sulfide	18496-25-8	ug/kg	8/7/2000	11/30/2000	3	0	0	37,700	40,300	--	No	No
207-T	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	7.73E+06	No	No
207-T	Toluene	108-88-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.72E+07	No	No
207-T	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Trichloroethene	79-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	7.50E+06	No	No
207-T	Vinyl chloride	75-01-4	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.34E+07	No	No
216-A-34	1,1-Dichloroethene	75-35-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1.14E+07	No	No
216-A-34	1,2,4-Trichlorobenzene	120-82-1	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	--	No	No
216-A-34	1,2-Dichlorobenzene	95-50-1	ug/kg	4/4/2003	4/4/2003	1	0	0	370	370	4.34E+06	No	No
216-A-34	1,3-Dichlorobenzene	541-73-1	ug/kg	4/4/2003	4/4/2003	1	0	0	330	330	4.05E+06	No	No
216-A-34	1,4-Dichlorobenzene	106-46-7	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	1-Butanol	71-36-3	ug/kg	4/4/2003	4/4/2003	1	0	0	20	20	--	No	No
216-A-34	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	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	0	17	17	--	No	No
216-A-34	2,4,5-Trichlorophenol	95-95-4	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4,6-Trichlorophenol	88-06-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	4/4/2003	1	0	0	34	34	--	No	No
216-A-34	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	2,4-Dichlorophenol	120-83-2	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2,4-Dimethylphenol	105-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-Dinitrophenol	51-28-5	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4-Dinitrotoluene	121-14-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	7,169	No	No
216-A-34	2,6-Dinitrotoluene	606-20-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	2-Chloronaphthalene	91-58-7	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	0	150	150	--	No	No
216-A-34	2-Methylnaphthalene	91-57-6	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	3.84E+07	No	No
216-A-34	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitroaniline	88-74-4	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitrophenol	88-75-5	ug/kg	4/4/2003	4/4/2003	1	0	0	180	180	--	No	No
216-A-34	3,3'-Dichlorobenzidine	91-94-1	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	3-Nitroaniline	99-09-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	4-Bromophenylphenyl ether	101-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloroaniline	106-47-8	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	--	No	No
216-A-34	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Nitroaniline	100-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	4-Nitrophenol	100-02-7	ug/kg	4/4/2003	4/4/2003	1	0	0	670	670	--	No	No
216-A-34	Acenaphthene	83-32-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3.84E+07	No	No
216-A-34	Acenaphthylene	208-96-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	3.84E+07	No	No
216-A-34	Aldrin	309-00-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	2.0	No	No
216-A-34	Alpha-BHC	319-84-6	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
216-A-34	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Anthracene	120-12-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3.84E+07	No	No
216-A-34	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	0	239	239	--	No	No
216-A-34	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0	0.036	0.036	5,040	No	No
216-A-34	Benzene	71-43-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	2.71E+07	No	No
216-A-34	Benzo(a)anthracene	56-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	767,233	No	No
216-A-34	Benzo(a)pyrene	50-32-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	767,233	No	No
216-A-34	Benzo(b)fluoranthene	205-99-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	767,233	No	No
216-A-34	Benzo(ghi)perylene	191-24-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	767,233	No	No
216-A-34	Benzo(k)fluoranthene	207-08-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	767,233	No	No
216-A-34	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	112,239	No	No
216-A-34	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	4/4/2003	4/4/2003	1	0	0	260	260	--	No	No
216-A-34	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	Bis(2-chloroethyl) ether	111-44-4	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	0	6,770	6,770	--	No	No
216-A-34	Bromide	24959-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	900	900	--	No	No
216-A-34	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Carbazole	86-74-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	0	1.9	1.9	50	No	No
216-A-34	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.017	0.017	854	No	No
216-A-34	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.014	0.014	1,430	No	No
216-A-34	Chlorobenzene	108-90-7	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	6.67E+06	No	No
216-A-34	Chrysene	218-01-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	767,233	No	No
216-A-34	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0	0.012	0.012	863	No	No
216-A-34	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dalapon	75-99-0	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Delta-BHC	319-86-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Dibenz(a,h)anthracene	53-70-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	767,233	No	No
216-A-34	Dibenzofuran	132-64-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dicamba	1918-00-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dichloroprop	120-36-5	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Dieldrin	60-57-1	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	1,641	No	No
216-A-34	Diethyl ether	60-29-7	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Diethylphthalate	84-66-2	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dimethyl phthalate	131-11-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	89	89	--	No	No
216-A-34	Di-n-octylphthalate	117-84-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Endosulfan I	959-98-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	1.67E+06	No	No
216-A-34	Endosulfan II	33213-65-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	1.67E+06	No	No
216-A-34	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	2.16E+06	No	No
216-A-34	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	52,861	No	No
216-A-34	Endrin ketone	53494-70-5	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin	72-20-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Ethylene glycol	107-21-1	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.040	0.040	1,880	No	No
216-A-34	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.038	0.038	1,740	No	No
216-A-34	Fluoranthene	206-44-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	767,233	No	No
216-A-34	Fluorene	86-73-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3.84E+07	No	No
216-A-34	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor	76-44-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Hexachlorobenzene	118-74-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Hexachlorobutadiene	87-68-3	ug/kg	4/4/2003	4/4/2003	1	0	0	380	380	--	No	No
216-A-34	Hexachlorocyclopentadiene	77-47-4	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	Hexachloroethane	67-72-1	ug/kg	4/4/2003	4/4/2003	1	0	0	480	480	--	No	No
216-A-34	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	0	420	420	--	No	No
216-A-34	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	767,233	No	No
216-A-34	Iodine-129	15046-84-1	pCi/g	4/4/2003	4/4/2003	1	0	0	2.4	2.4	--	No	No
216-A-34	Isophorone	78-59-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	0	48	48	162,810	No	No
216-A-34	Methanol	67-56-1	ug/kg	4/4/2003	4/4/2003	1	0	0	1,000	1,000	--	No	No
216-A-34	Methoxychlor	72-43-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Molybdenum	7439-98-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	52,000	No	No
216-A-34	Naphthalene	91-20-3	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	3.84E+07	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
216-A-34	Neptunium-237	13994-20-2	pCi/g	4/4/2003	4/4/2003	1	0	0	0.092	0.092	9,150	No	No
216-A-34	Nitrite	14797-65-0	ug/kg	4/4/2003	4/4/2003	1	0	0	591	591	--	No	No
216-A-34	Nitrobenzene	98-95-3	ug/kg	4/4/2003	4/4/2003	1	0	0	270	270	--	No	No
216-A-34	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	n-Nitrosodiphenylamine	86-30-6	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	4/4/2003	1	0	0	694,000	694,000	--	No	No
216-A-34	Pentachlorophenol	87-86-5	ug/kg	4/4/2003	4/4/2003	1	0	0	310	310	--	No	No
216-A-34	Phenanthrene	85-01-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3.84E+07	No	No
216-A-34	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.28	0.28	26,800	No	No
216-A-34	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	767,233	No	No
216-A-34	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.013	0.013	--	No	No
216-A-34	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.12	0.12	--	No	No
216-A-34	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	12,000	No	No
216-A-34	Silver	7440-22-4	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	2.02E+06	No	No
216-A-34	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0	0.58	0.58	279,000	No	No
216-A-34	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0	0.20	0.20	--	No	No
216-A-34	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1.72E+07	No	No
216-A-34	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	5.90E+08	No	No
216-A-34	Toxaphene	8001-35-2	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Trichloroethene	79-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	7.50E+06	No	No
216-A-34	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0	0.17	0.17	1,130	No	No
UPR-200-E-64	Cadmium	7440-43-9	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	935,000	No	No
UPR-200-E-64	Cobalt-60	10198-40-0	pCi/g	2/11/2008	2/12/2008	2	0	0	0.013	0.064	863	No	No
UPR-200-E-64	Europium-152	14683-23-9	pCi/g	2/11/2008	2/12/2008	2	0	0	0.036	0.98	1,880	No	No
UPR-200-E-64	Europium-155	14391-16-3	pCi/g	2/11/2008	2/12/2008	2	0	0	0.053	1.1	37,300	No	No
UPR-200-E-64	Fluoride	16984-48-8	ug/kg	2/11/2008	2/12/2008	2	0	0	294	300	9.21E+06	No	No
UPR-200-E-64	Neptunium-237	13994-20-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.038	0.043	9,150	No	No
UPR-200-E-64	Nickel-63	13981-37-8	pCi/g	2/11/2008	2/12/2008	2	0	0	3.4	6.3	--	No	No
UPR-200-E-64	Nitrite	14797-65-0	ug/kg	2/11/2008	2/12/2008	2	0	0	1,610	1,640	--	No	No
UPR-200-E-64	Silver	7440-22-4	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	2.02E+06	No	No
UPR-200-E-64	Strontium-90	10098-97-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.48	12	112	No	No
UPR-200-E-64	Technetium-99	14133-76-7	pCi/g	2/11/2008	2/12/2008	2	0	0	0.39	0.74	279,000	No	No
UPR-200-E-64	Tritium	10028-17-8	pCi/g	2/11/2008	2/12/2008	2	0	0	4.0	4.2	1,130	No	No
UPR-200-E-89	1,1,1-Trichloroethane	71-55-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	8.94E+06	No	No
UPR-200-E-89	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	9.55E+06	No	No
UPR-200-E-89	1,1,2-Trichloroethane	79-00-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.20E+07	No	No
UPR-200-E-89	1,1-Dichloroethane	75-34-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.40E+07	No	No
UPR-200-E-89	1,1-Dichloroethene	75-35-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.14E+07	No	No
UPR-200-E-89	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,2,4-Trichlorobenzene	120-82-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,2-Dichlorobenzene	95-50-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	4.34E+06	No	No
UPR-200-E-89	1,2-Dichloroethane	107-06-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.61E+07	No	No
UPR-200-E-89	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2-Dichloropropane	78-87-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,3-Dichlorobenzene	541-73-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	4.05E+06	No	No
UPR-200-E-89	1,4-Dichlorobenzene	106-46-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10	11	--	No	No
UPR-200-E-89	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4,5-Trichlorophenol	95-95-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4,6-Trichlorophenol	88-06-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dichlorophenol	120-83-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dimethylphenol	105-67-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrophenol	51-28-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrotoluene	121-14-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	7,169	No	No
UPR-200-E-89	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,6-Dinitrotoluene	606-20-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Butanone	78-93-3	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	1.15E+07	No	No
UPR-200-E-89	2-Chloronaphthalene	91-58-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No

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UPR-200-E-89	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Hexanone	591-78-6	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	9.65E+06	No	No
UPR-200-E-89	2-Methylnaphthalene	91-57-6	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.84E+07	No	No
UPR-200-E-89	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Nitroaniline	88-74-4	ug/kg	7/16/2015	10/22/2015	9	0	0	114	116	--	No	No
UPR-200-E-89	2-Nitrophenol	88-75-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dichlorobenzidine	91-94-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Nitroaniline	99-09-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	4-Bromophenylphenyl ether	101-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	10/22/2015	9	0	0	138	141	--	No	No
UPR-200-E-89	4-Chloroaniline	106-47-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Methyl-2-pentanone	108-10-1	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	4-Nitroaniline	100-01-6	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitrophenol	100-02-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Acenaphthene	83-32-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.84E+07	No	No
UPR-200-E-89	Acenaphthylene	208-96-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.84E+07	No	No
UPR-200-E-89	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122	--	No	No
UPR-200-E-89	Americium-241	14596-10-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.16	0.47	17,600	No	No
UPR-200-E-89	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Anthracene	120-12-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.84E+07	No	No
UPR-200-E-89	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Aroclor-1016	12674-11-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	21,753	No	No
UPR-200-E-89	Aroclor-1221	11104-28-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	24,018	No	No
UPR-200-E-89	Aroclor-1232	11141-16-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	26,236	No	No
UPR-200-E-89	Aroclor-1242	53469-21-9	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	25,551	No	No
UPR-200-E-89	Aroclor-1248	12672-29-6	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	24,335	No	No
UPR-200-E-89	Aroclor-1254	11097-69-1	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	27,265	No	No
UPR-200-E-89	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	51,489	No	No
UPR-200-E-89	Aroclor-1262	37324-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Aroclor-1268	11100-14-4	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Benzene	71-43-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	2.71E+07	No	No
UPR-200-E-89	Benzo(a)anthracene	56-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	767,233	No	No
UPR-200-E-89	Benzo(a)pyrene	50-32-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	767,233	No	No
UPR-200-E-89	Benzo(b)fluoranthene	205-99-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	767,233	No	No
UPR-200-E-89	Benzo(ghi)perylene	191-24-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	767,233	No	No
UPR-200-E-89	Benzo(k)fluoranthene	207-08-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	767,233	No	No
UPR-200-E-89	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175	--	No	No
UPR-200-E-89	Benzyl alcohol	100-51-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloroethyl) ether	111-44-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bismuth	7440-69-9	ug/kg	7/16/2015	7/21/2015	2	0	0	91	103	--	No	No
UPR-200-E-89	Bromodichloromethane	75-27-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromoform	75-25-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromomethane	74-83-9	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Carbazole	86-74-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Carbon disulfide	75-15-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	--	No	No
UPR-200-E-89	Carbon tetrachloride	56-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	7.38E+06	No	No
UPR-200-E-89	Carbon-14	14762-75-5	pCi/g	7/16/2015	10/22/2015	8	0	0	2.5	4.4	50	No	No
UPR-200-E-89	Chlorobenzene	108-90-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	6.67E+06	No	No
UPR-200-E-89	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Chloroethane	75-00-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
UPR-200-E-89	Chloroform	67-66-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.30E+07	No	No
UPR-200-E-89	Chloromethane	74-87-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chrysene	218-01-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	767,233	No	No
UPR-200-E-89	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Cobalt-60	10198-40-0	pCi/g	4/29/2008	10/22/2015	3	0	0	0.042	0.16	863	No	No
UPR-200-E-89	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dibenz(a,h)anthracene	53-70-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	767,233	No	No
UPR-200-E-89	Dibenzofuran	132-64-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dibromochloromethane	124-48-1	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Diethylphthalate	84-66-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dimethyl phthalate	131-11-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Di-n-octylphthalate	117-84-0	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethylbenzene	100-41-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.27E+07	No	No
UPR-200-E-89	Europium-152	14683-23-9	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.72	1,880	No	No
UPR-200-E-89	Europium-154	15585-10-1	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.48	1,740	No	No
UPR-200-E-89	Europium-155	14391-16-3	pCi/g	4/29/2008	10/22/2015	3	0	0	0.10	0.86	37,300	No	No
UPR-200-E-89	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Fluoranthene	206-44-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	767,233	No	No
UPR-200-E-89	Fluorene	86-73-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.84E+07	No	No
UPR-200-E-89	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	0	6.4	6.4	--	No	No
UPR-200-E-89	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	0	15	15	--	No	No
UPR-200-E-89	Hexachlorobenzene	118-74-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorobutadiene	87-68-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorocyclopentadiene	77-47-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachloroethane	67-72-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4,000	4,050	--	No	No
UPR-200-E-89	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	767,233	No	No
UPR-200-E-89	Iodine-129	15046-84-1	pCi/g	10/1/2015	10/22/2015	3	0	0	1.2	1.8	--	No	No
UPR-200-E-89	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	69	70	--	No	No
UPR-200-E-89	Isophorone	78-59-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Mercury	7439-97-6	ug/kg	7/16/2015	10/22/2015	4	0	0	3.8	4.0	162,810	No	No
UPR-200-E-89	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methylene chloride	75-09-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	1.73E+07	No	No
UPR-200-E-89	Naphthalene	91-20-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.84E+07	No	No
UPR-200-E-89	Neptunium-237	13994-20-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.69	9,150	No	No
UPR-200-E-89	Nickel-63	13981-37-8	pCi/g	7/16/2015	10/22/2015	9	0	0	12	18	--	No	No
UPR-200-E-89	Nitrite	14797-65-0	ug/kg	4/29/2008	10/22/2015	10	0	0	1,010	1,140	--	No	No
UPR-200-E-89	Nitrobenzene	98-95-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomorpholine	59-89-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
UPR-200-E-89	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorophenol	87-86-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Phenanthrene	85-01-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.84E+07	No	No
UPR-200-E-89	Phenol	108-95-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Plutonium-238	13981-16-3	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.62	26,800	No	No
UPR-200-E-89	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	10/22/2015	9	0	0	0.39	0.75	28,400	No	No
UPR-200-E-89	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3,440	3,490	--	No	No
UPR-200-E-89	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pyrene	129-00-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	767,233	No	No
UPR-200-E-89	Pyridine	110-86-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Styrene	100-42-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Technetium-99	14133-76-7	pCi/g	7/16/2015	10/22/2015	6	0	0	9.5	12	279,000	No	No
UPR-200-E-89	Tetrachloroethene	127-18-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	7.73E+06	No	No
UPR-200-E-89	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total cresols	1319-77-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	0	200,000	200,000	--	No	No
UPR-200-E-89	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	7/16/2015	10/22/2015	8	0	0	1,150	1,170	5.90E+08	No	No
UPR-200-E-89	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Trichloroethene	79-01-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	7.50E+06	No	No
UPR-200-E-89	Tritium	10028-17-8	pCi/g	7/16/2015	10/22/2015	9	0	0	14	28	1,130	No	No
UPR-200-E-89	Uranium-235	15117-96-1	pCi/g	7/16/2015	10/22/2015	9	0	0	0.19	0.88	10,200	No	No
UPR-200-E-89	Vinyl chloride	75-01-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Xylenes (total)	1330-20-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.34E+07	No	No
UPR-200-W-99	1,1,1-Trichloroethane	71-55-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	8.94E+06	No	No
UPR-200-W-99	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	9.55E+06	No	No
UPR-200-W-99	1,1,2-Trichloroethane	79-00-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.20E+07	No	No
UPR-200-W-99	1,1-Dichloroethane	75-34-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.40E+07	No	No
UPR-200-W-99	1,1-Dichloroethene	75-35-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.14E+07	No	No
UPR-200-W-99	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	--	No	No
UPR-200-W-99	1,2-Dichlorobenzene	95-50-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	4.34E+06	No	No
UPR-200-W-99	1,2-Dichloroethane	107-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.61E+07	No	No
UPR-200-W-99	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2-Dichloropropane	78-87-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,3-Dichlorobenzene	541-73-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	4.05E+06	No	No
UPR-200-W-99	1,4-Dichlorobenzene	106-46-7	ug/kg	8/22/2000	5/12/2009	3	0	0	260	380	--	No	No
UPR-200-W-99	1-Butanol	71-36-3	ug/kg	10/28/2002	10/28/2002	1	0	0	26,000	26,000	--	No	No
UPR-200-W-99	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dichlorophenol	120-83-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dimethylphenol	105-67-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dinitrophenol	51-28-5	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4-Dinitrotoluene	121-14-2	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	7,169	No	No
UPR-200-W-99	2,6-Dinitrotoluene	606-20-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Chloronaphthalene	91-58-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Hexanone	591-78-6	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	9.65E+06	No	No
UPR-200-W-99	2-Methylnaphthalene	91-57-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3.84E+07	No	No
UPR-200-W-99	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Nitroaniline	88-74-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2-Nitrophenol	88-75-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/22/2000	8/22/2000	1	0	0	340	340	--	No	No
UPR-200-W-99	3-Nitroaniline	99-09-2	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chloroaniline	106-47-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Methyl-2-pentanone	108-10-1	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	4-Nitroaniline	100-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Nitrophenol	100-02-7	ug/kg	8/22/2000	5/12/2009	3	0	0	340	960	--	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
UPR-200-W-99	Acenaphthene	83-32-9	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	3.84E+07	No	No
UPR-200-W-99	Acenaphthylene	208-96-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3.84E+07	No	No
UPR-200-W-99	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	1	0	0	3,650	3,650	--	No	No
UPR-200-W-99	Anthracene	120-12-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3.84E+07	No	No
UPR-200-W-99	Antimony	7440-36-0	ug/kg	10/28/2002	10/28/2002	1	0	0	190	190	--	No	No
UPR-200-W-99	Antimony-125	14234-35-6	pCi/g	10/28/2002	5/12/2009	2	0	0	0.030	0.22	5,040	No	No
UPR-200-W-99	Aroclor-1016	12674-11-2	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	21,753	No	No
UPR-200-W-99	Aroclor-1221	11104-28-2	ug/kg	10/28/2002	5/12/2009	2	0	0	20	77	24,018	No	No
UPR-200-W-99	Aroclor-1232	11141-16-5	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	26,236	No	No
UPR-200-W-99	Aroclor-1242	53469-21-9	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	25,551	No	No
UPR-200-W-99	Aroclor-1248	12672-29-6	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	24,335	No	No
UPR-200-W-99	Aroclor-1254	11097-69-1	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	27,265	No	No
UPR-200-W-99	Aroclor-1262	37324-23-5	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Aroclor-1268	11100-14-4	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Benzene	71-43-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	2.71E+07	No	No
UPR-200-W-99	Benzo(a)anthracene	56-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	767,233	No	No
UPR-200-W-99	Benzo(a)pyrene	50-32-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	767,233	No	No
UPR-200-W-99	Benzo(b)fluoranthene	205-99-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	767,233	No	No
UPR-200-W-99	Benzo(ghi)perylene	191-24-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	767,233	No	No
UPR-200-W-99	Benzo(k)fluoranthene	207-08-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	767,233	No	No
UPR-200-W-99	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bismuth	7440-69-9	ug/kg	10/28/2002	5/12/2009	2	0	0	670	2,300	--	No	No
UPR-200-W-99	Bromodichloromethane	75-27-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromoform	75-25-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromomethane	74-83-9	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbazole	86-74-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbon disulfide	75-15-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Carbon tetrachloride	56-23-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	7.38E+06	No	No
UPR-200-W-99	Cesium-134	13967-70-9	pCi/g	10/28/2002	5/12/2009	2	0	0	0.014	0.12	854	No	No
UPR-200-W-99	Chlorobenzene	108-90-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	6.67E+06	No	No
UPR-200-W-99	Chloroethane	75-00-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chloroform	67-66-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.30E+07	No	No
UPR-200-W-99	Chloromethane	74-87-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chrysene	218-01-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	767,233	No	No
UPR-200-W-99	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Cobalt-60	10198-40-0	pCi/g	8/22/2000	5/12/2009	4	0	0	0.010	0.10	863	No	No
UPR-200-W-99	Cyanide	57-12-5	ug/kg	8/22/2000	5/12/2009	3	0	0	200	550	--	No	No
UPR-200-W-99	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	767,233	No	No
UPR-200-W-99	Dibenzofuran	132-64-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dibromochloromethane	124-48-1	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Diethylphthalate	84-66-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dimethyl phthalate	131-11-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Di-n-octylphthalate	117-84-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Ethylbenzene	100-41-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.27E+07	No	No
UPR-200-W-99	Europium-152	14683-23-9	pCi/g	8/22/2000	5/12/2009	4	0	0	0.033	0.23	1,880	No	No
UPR-200-W-99	Europium-154	15585-10-1	pCi/g	8/22/2000	5/12/2009	4	0	0	0.031	0.35	1,740	No	No
UPR-200-W-99	Europium-155	14391-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.046	0.19	37,300	No	No
UPR-200-W-99	Fluoranthene	206-44-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	767,233	No	No
UPR-200-W-99	Fluorene	86-73-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3.84E+07	No	No
UPR-200-W-99	Hexachlorobenzene	118-74-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorobutadiene	87-68-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachloroethane	67-72-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	767,233	No	No
UPR-200-W-99	Iodine-129	15046-84-1	pCi/g	8/22/2000	5/12/2009	3	0	0	1.3	1.7	--	No	No
UPR-200-W-99	Isophorone	78-59-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Mercury	7439-97-6	ug/kg	8/22/2000	5/12/2009	3	0	0	20	50	162,810	No	No
UPR-200-W-99	Naphthalene	91-20-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3.84E+07	No	No
UPR-200-W-99	Neptunium-237	13994-20-2	pCi/g	10/28/2002	5/12/2009	2	0	0	0.093	0.12	9,150	No	No
UPR-200-W-99	Nickel-63	13981-37-8	pCi/g	10/28/2002	5/12/2009	2	0	0	2.2	3.3	--	No	No
UPR-200-W-99	Nitrite	14797-65-0	ug/kg	10/28/2002	10/28/2002	1	0	0	1,440	1,440	--	No	No

Table A-8. Comparison of Minimum and Maximum MDLs and MDAs to the Red-tailed Hawk Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Red-tailed hawk PRG	Is Min Non-Detect MDL or MDA > Red-tailed hawk PRG?	Is Max Non-Detect MDL or MDA > Red-tailed hawk PRG?
UPR-200-W-99	Nitrobenzene	98-95-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Pentachlorophenol	87-86-5	ug/kg	8/22/2000	5/12/2009	3	0	0	410	960	--	No	No
UPR-200-W-99	Phenanthrene	85-01-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3.84E+07	No	No
UPR-200-W-99	Plutonium-238	13981-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.023	0.19	26,800	No	No
UPR-200-W-99	Pyridine	110-86-1	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Silver	7440-22-4	ug/kg	8/22/2000	5/12/2009	3	0	0	99	160	2.02E+06	No	No
UPR-200-W-99	Styrene	100-42-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Sulfide	18496-25-8	ug/kg	8/22/2000	8/22/2000	1	0	0	20,600	20,600	--	No	No
UPR-200-W-99	Technetium-99	14133-76-7	pCi/g	8/22/2000	5/12/2009	4	0	0	0.38	0.61	279,000	No	No
UPR-200-W-99	Tetrachloroethene	127-18-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	7.73E+06	No	No
UPR-200-W-99	Tin-126	15832-50-5	pCi/g	10/28/2002	10/28/2002	1	0	0	0.10	0.10	--	No	No
UPR-200-W-99	Toluene	108-88-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.72E+07	No	No
UPR-200-W-99	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/28/2002	10/28/2002	1	0	0	33	33	--	No	No
UPR-200-W-99	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	5/12/2009	2	0	0	150	380	--	No	No
UPR-200-W-99	Trichloroethene	79-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	7.50E+06	No	No
UPR-200-W-99	Tritium	10028-17-8	pCi/g	8/22/2000	5/12/2009	4	0	0	0.091	3.6	1,130	No	No
UPR-200-W-99	Vinyl chloride	75-01-4	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Xylenes (total)	1330-20-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.34E+07	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
200-E-115	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	1,1,1-Trichloroethane	71-55-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	4.07E+08	No	No
200-E-115	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.25	3.64E+06	No	No
200-E-115	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	--	No	No
200-E-115	1,1,2-Trichloroethane	79-00-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.19	4.07E+08	No	No
200-E-115	1,1-Dichloroethene	75-35-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.35	0.49	1.22E+07	No	No
200-E-115	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/17/2010	8/29/2010	8	0	0	75	77	--	No	No
200-E-115	1,2-Dichlorobenzene	95-50-1	ug/kg	8/17/2010	8/29/2010	8	0	0	97	101	282,346	No	No
200-E-115	1,2-Dichloroethane	107-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.044	0.063	2.04E+07	No	No
200-E-115	1-Butanol	71-36-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.5	12	5.09E+07	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.00E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	5.10E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,3,5-Trichlorobiphenyl	55720-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.80E-04	--	No	No
200-E-115	2',3,5-Trichlorobiphenyl	37680-68-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	2,3,6-Trichlorobiphenyl	55702-45-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	8.30E-04	--	No	No
200-E-115	2,3',6-Trichlorobiphenyl	38444-76-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	7.10E-04	--	No	No
200-E-115	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.10E-04	0.0019	--	No	No
200-E-115	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.60E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/17/2010	8/29/2010	8	0	0	42	44	--	No	No
200-E-115	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	48	50	--	No	No
200-E-115	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.30E-04	0.0020	--	No	No
200-E-115	2,4-Dinitrotoluene	121-14-2	ug/kg	8/17/2010	8/29/2010	8	0	0	37	38	13,777	No	No
200-E-115	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	8.40E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	9.00E-04	0.0021	--	No	No
200-E-115	2-Butanone	78-93-3	ug/kg	8/17/2010	8/29/2010	8	0	0	1.6	2.3	7.21E+08	No	No
200-E-115	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	8/29/2010	8	0	0	64	67	--	No	No
200-E-115	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/17/2010	8/29/2010	8	0	0	92	94	--	No	No
200-E-115	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/17/2010	8/29/2010	8	0	0	55	58	1.27E+08	No	No
200-E-115	2-Nitrophenol	88-75-5	ug/kg	8/17/2010	8/29/2010	8	0	0	52	54	--	No	No
200-E-115	2-Nitropropane	79-46-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',4-Trichlorobiphenyl	37680-69-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,4,5-Trichlorobiphenyl	53555-66-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	6.00E-04	--	No	No
200-E-115	3,4',5-Trichlorobiphenyl	38444-88-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04	--	No	No
200-E-115	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	7.10E-04	0.0017	--	No	No
200-E-115	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/17/2010	8/29/2010	8	0	0	50	51	1.27E+08	No	No
200-E-115	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04	--	No	No
200-E-115	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.085	0.26	--	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
200-E-115	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.41	1.2	--	No	No
200-E-115	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.65	2.0	--	No	No
200-E-115	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	8.80E-04	0.0023	--	No	No
200-E-115	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	42	43	--	No	No
200-E-115	4-Methyl-2-pentanone	108-10-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.4	2.0	--	No	No
200-E-115	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.90E-04	--	No	No
200-E-115	Acenaphthene	83-32-9	ug/kg	8/17/2010	8/29/2010	8	0	0	17	18	7.13E+07	No	No
200-E-115	Acetone	67-64-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.8	2.6	--	No	No
200-E-115	Aldrin	309-00-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.32	0.98	120	No	No
200-E-115	Alpha-BHC	319-84-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.42	--	No	No
200-E-115	Americium-241	14596-10-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.42	0.61	71,700	No	No
200-E-115	Antimony-125	14234-35-6	pCi/g	8/17/2010	8/29/2010	8	0	0	0.71	1.2	4,580	No	No
200-E-115	Aroclor-1016	12674-11-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	35,206	No	No
200-E-115	Aroclor-1221	11104-28-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	688	No	No
200-E-115	Aroclor-1232	11141-16-5	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	548	No	No
200-E-115	Aroclor-1242	53469-21-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	3,091	No	No
200-E-115	Aroclor-1248	12672-29-6	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	347	No	No
200-E-115	Aroclor-1254	11097-69-1	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	3,476	No	No
200-E-115	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	7,665	No	No
200-E-115	Benzene	71-43-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.12	0.17	285,001	No	No
200-E-115	Benzo(a)anthracene	56-55-3	ug/kg	8/17/2010	8/29/2010	8	0	0	36	38	306,810	No	No
200-E-115	Benzo(a)pyrene	50-32-8	ug/kg	8/17/2010	8/29/2010	8	0	0	40	41	60,379	No	No
200-E-115	Benzo(b)fluoranthene	205-99-2	ug/kg	8/17/2010	8/29/2010	8	0	0	47	49	--	No	No
200-E-115	Benzo(k)fluoranthene	207-08-9	ug/kg	8/17/2010	8/29/2010	8	0	0	38	39	405,733	No	No
200-E-115	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.31	0.96	18	No	No
200-E-115	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/17/2010	8/29/2010	8	0	0	568	590	1,800	No	No
200-E-115	Bismuth	7440-69-9	ug/kg	8/18/2010	8/18/2010	1	0	0	8,310	8,310	--	No	No
200-E-115	Bromide	24959-67-9	ug/kg	8/17/2010	8/29/2010	8	0	0	567	580	--	No	No
200-E-115	Carbon disulfide	75-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.13	0.19	--	No	No
200-E-115	Carbon tetrachloride	56-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	6.51E+06	No	No
200-E-115	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	8/29/2010	8	0	0	176	182	--	No	No
200-E-115	Cesium-137	10045-97-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.34	0.58	2,510	No	No
200-E-115	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12	140	No	No
200-E-115	Chlorobenzene	108-90-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.071	0.10	7.94E+06	No	No
200-E-115	Chloroform	67-66-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.11	0.15	6.11E+06	No	No
200-E-115	Chrysene	218-01-9	ug/kg	8/17/2010	8/29/2010	8	0	0	78	81	306,810	No	No
200-E-115	cis-1,2-Dichloroethylene	156-59-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.15	0.21	1.84E+07	No	No
200-E-115	Cobalt-60	10198-40-0	pCi/g	8/17/2010	8/29/2010	8	0	0	0.28	0.44	805	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	Curium-242	15510-73-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-E-115	Curium-243/244	CM-243/244	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	2.26E+06	No	No
200-E-115	Cyanide	57-12-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2,600	2,680	2.80E+07	No	No
200-E-115	Cyclohexanone	108-94-1	ug/kg	8/17/2010	8/29/2010	8	0	0	537	558	--	No	No
200-E-115	Delta-BHC	319-86-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.77	--	No	No
200-E-115	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	54,286	No	No
200-E-115	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	8/29/2010	8	0	0	870	920	--	No	No
200-E-115	Dieldrin	60-57-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.69	0.068	Yes	Yes
200-E-115	Diethyl ether	60-29-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.21	0.30	--	No	No
200-E-115	Di-n-octylphthalate	117-84-0	ug/kg	8/17/2010	8/29/2010	8	0	0	46	48	--	No	No
200-E-115	Endrin	72-20-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.43	--	No	No
200-E-115	Ethyl acetate	141-78-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
200-E-115	Ethylbenzene	100-41-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.088	0.13	342,000	No	No
200-E-115	Ethylene glycol	107-21-1	ug/kg	8/17/2010	8/29/2010	8	0	0	13,000	14,000	--	No	No
200-E-115	Europium-152	14683-23-9	pCi/g	8/17/2010	8/29/2010	8	0	0	1.4	2.0	1,740	No	No
200-E-115	Europium-154	15585-10-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.89	1.5	1,610	No	No
200-E-115	Europium-155	14391-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.46	1.0	33,400	No	No
200-E-115	Fluoranthene	206-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	34	35	1.96E+06	No	No
200-E-115	Gamma-BHC (Lindane)	58-89-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.18	0.54	--	No	No
200-E-115	Heptachlor epoxide	1024-57-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.45	1.4	--	No	No
200-E-115	Heptachlor	76-44-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.099	0.30	--	No	No
200-E-115	Hexachlorobutadiene	87-68-3	ug/kg	8/17/2010	8/29/2010	8	0	0	67	70	--	No	No
200-E-115	Hexachloroethane	67-72-1	ug/kg	8/17/2010	8/29/2010	8	0	0	108	112	--	No	No
200-E-115	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	62,638	No	No
200-E-115	Iodine-129	15046-84-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.14	0.22	--	No	No
200-E-115	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	443	460	--	No	No
200-E-115	Mercury	7439-97-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.2	9.8	--	No	No
200-E-115	Methylene chloride	75-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.053	0.075	2.38E+06	No	No
200-E-115	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	630	680	--	No	No
200-E-115	Naphthalene	91-20-3	ug/kg	8/17/2010	8/29/2010	8	0	0	60	63	33,318	No	No
200-E-115	Nickel-63	13981-37-8	pCi/g	8/17/2010	8/29/2010	8	0	0	4.3	5.9	--	No	No
200-E-115	Nitrobenzene	98-95-3	ug/kg	8/17/2010	8/29/2010	8	0	0	62	65	--	No	No
200-E-115	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	8/29/2010	8	0	0	56	58	--	No	No
200-E-115	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	8/29/2010	8	0	0	184	191	--	No	No
200-E-115	o-Xylene	95-47-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	--	No	No
200-E-115	Plutonium-238	13981-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	291,000	No	No
200-E-115	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	324,000	No	No
200-E-115	Pyrene	129-00-0	ug/kg	8/17/2010	8/29/2010	8	0	0	61	63	825,292	No	No
200-E-115	Pyridine	110-86-1	ug/kg	8/17/2010	8/29/2010	8	0	0	63	65	--	No	No
200-E-115	Strontium-90	10098-97-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.18	0.57	700	No	No
200-E-115	Tetrachloroethene	127-18-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.090	0.13	570,001	No	No
200-E-115	Total cresols	1319-77-3	ug/kg	8/17/2010	8/29/2010	8	0	0	103	107	--	No	No
200-E-115	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	8/17/2010	8/29/2010	8	0	0	10	11	--	No	No
200-E-115	trans-1,2-Dichloroethylene	156-60-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.35	1.84E+07	No	No
200-E-115	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.32	--	No	No
200-E-115	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	8/29/2010	8	0	0	104	108	--	No	No
200-E-115	Trichloroethene	79-01-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.100	0.14	285,001	No	No
200-E-115	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	--	No	No
200-E-115	Vinyl chloride	75-01-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	Xylenes (total)	1330-20-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.24	422,286	No	No
200-W-54	1,1,1-Trichloroethane	71-55-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	4.07E+08	No	No
200-W-54	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.64E+06	No	No
200-W-54	1,1,2-Trichloroethane	79-00-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	4.07E+08	No	No
200-W-54	1,1-Dichloroethane	75-34-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	2.04E+07	No	No
200-W-54	1,1-Dichloroethene	75-35-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.22E+07	No	No
200-W-54	1,2,4-Trichlorobenzene	120-82-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,2-Dichlorobenzene	95-50-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	282,346	No	No
200-W-54	1,2-Dichloroethane	107-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	2.04E+07	No	No
200-W-54	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,2-Dichloropropane	78-87-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,3-Dichlorobenzene	541-73-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	309,747	No	No
200-W-54	1,4-Dichlorobenzene	106-46-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4,5-Trichlorophenol	95-95-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4,6-Trichlorophenol	88-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dichlorophenol	120-83-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dimethylphenol	105-67-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dinitrophenol	51-28-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4-Dinitrotoluene	121-14-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	13,777	No	No
200-W-54	2,6-Dinitrotoluene	606-20-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Butanone	78-93-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	7.21E+08	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
200-W-54	2-Chloronaphthalene	91-58-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Hexanone	591-78-6	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	2.04E+06	No	No
200-W-54	2-Methylnaphthalene	91-57-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	5,024	No	No
200-W-54	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1.27E+08	No	No
200-W-54	2-Nitroaniline	88-74-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2-Nitrophenol	88-75-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3,3'-Dichlorobenzidine	91-94-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1.27E+08	No	No
200-W-54	3-Nitroaniline	99-09-2	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Bromophenylphenyl ether	101-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloroaniline	106-47-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Methyl-2-pentanone	108-10-1	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	4-Nitroaniline	100-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Nitrophenol	100-02-7	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Acenaphthene	83-32-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	7.13E+07	No	No
200-W-54	Acenaphthylene	208-96-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	2.43E+07	No	No
200-W-54	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.13	0.13	71,700	No	No
200-W-54	Anthracene	120-12-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1.79E+08	No	No
200-W-54	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	35,206	No	No
200-W-54	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/19/2001	1	0	0	69	69	688	No	No
200-W-54	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	548	No	No
200-W-54	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	3,091	No	No
200-W-54	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	347	No	No
200-W-54	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	3,476	No	No
200-W-54	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	7,665	No	No
200-W-54	Benzene	71-43-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	285,001	No	No
200-W-54	Benzo(a)anthracene	56-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	306,810	No	No
200-W-54	Benzo(a)pyrene	50-32-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	60,379	No	No
200-W-54	Benzo(b)fluoranthene	205-99-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Benzo(ghi)perylene	191-24-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	12,599	No	No
200-W-54	Benzo(k)fluoranthene	207-08-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	405,733	No	No
200-W-54	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-chloroethyl) ether	111-44-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1,800	No	No
200-W-54	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Bromodichloromethane	75-27-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromoform	75-25-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromomethane	74-83-9	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbazole	86-74-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbon disulfide	75-15-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Carbon tetrachloride	56-23-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	6.51E+06	No	No
200-W-54	Carbon-14	14762-75-5	pCi/g	10/19/2001	10/19/2001	1	0	0	3.9	3.9	61	No	No
200-W-54	Chlorobenzene	108-90-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	7.94E+06	No	No
200-W-54	Chloroethane	75-00-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	6.11E+06	No	No
200-W-54	Chloromethane	74-87-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chrysene	218-01-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	306,810	No	No
200-W-54	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Cobalt-60	10198-40-0	pCi/g	10/19/2001	10/19/2001	1	0	0	0.044	0.044	805	No	No
200-W-54	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	1	0	0	450	450	2.80E+07	No	No
200-W-54	Dibenz(a,h)anthracene	53-70-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	54,286	No	No
200-W-54	Dibenzofuran	132-64-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
200-W-54	Dibromochloromethane	124-48-1	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dimethyl phthalate	131-11-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-octylphthalate	117-84-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Ethylbenzene	100-41-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	342,000	No	No
200-W-54	Europium-152	14683-23-9	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	1,740	No	No
200-W-54	Europium-154	15585-10-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.14	0.14	1,610	No	No
200-W-54	Europium-155	14391-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.11	0.11	33,400	No	No
200-W-54	Fluoranthene	206-44-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1.96E+06	No	No
200-W-54	Fluorene	86-73-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	5.09E+07	No	No
200-W-54	Hexachlorobenzene	118-74-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorobutadiene	87-68-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorocyclopentadiene	77-47-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachloroethane	67-72-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	62,638	No	No
200-W-54	Isophorone	78-59-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Naphthalene	91-20-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	33,318	No	No
200-W-54	Neptunium-237	13994-20-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.060	0.060	8,250	No	No
200-W-54	Nickel-63	13981-37-8	pCi/g	10/19/2001	10/19/2001	1	0	0	2.1	2.1	--	No	No
200-W-54	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	1	0	0	1,290	1,290	--	No	No
200-W-54	Nitrobenzene	98-95-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodiphenylamine	86-30-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Pentachlorophenol	87-86-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Phenanthrene	85-01-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3.01E+08	No	No
200-W-54	Phenol	108-95-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	160	Yes	Yes
200-W-54	Plutonium-238	13981-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	291,000	No	No
200-W-54	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	324,000	No	No
200-W-54	Pyrene	129-00-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	825,292	No	No
200-W-54	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	9.44E+06	No	No
200-W-54	Strontium-90	10098-97-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.33	0.33	700	No	No
200-W-54	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	1	0	0	36,000	36,000	--	No	No
200-W-54	Technetium-99	14133-76-7	pCi/g	10/19/2001	10/19/2001	1	0	0	0.41	0.41	8,670	No	No
200-W-54	Tetrachloroethene	127-18-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	570,001	No	No
200-W-54	Toluene	108-88-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	2.12E+07	No	No
200-W-54	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	4.07E+08	No	No
200-W-54	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	10/19/2001	1	0	0	2,000	2,000	--	No	No
200-W-54	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	4.07E+08	No	No
200-W-54	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Trichloroethene	79-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	285,001	No	No
200-W-54	Tritium	10028-17-8	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	3,270	No	No
200-W-54	Uranium-235	15117-96-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.18	0.18	8,600	No	No
200-W-54	Vinyl chloride	75-01-4	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Xylenes (total)	1330-20-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	422,286	No	No
207-A-South	1,1,1-Trichloroethane	71-55-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	4.07E+08	No	No
207-A-South	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.64E+06	No	No
207-A-South	1,1,2-Trichloroethane	79-00-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	4.07E+08	No	No
207-A-South	1,1-Dichloroethane	75-34-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2.04E+07	No	No
207-A-South	1,1-Dichloroethene	75-35-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.22E+07	No	No
207-A-South	1,2,4-Trichlorobenzene	120-82-1	ug/kg	9/10/2003	9/10/2003	3	0	0	300	300	--	No	No
207-A-South	1,2-Dichlorobenzene	95-50-1	ug/kg	9/10/2003	9/10/2003	3	0	0	370	370	282,346	No	No
207-A-South	1,2-Dichloroethane	107-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2.04E+07	No	No
207-A-South	1,2-Dichloroethene (Total)	540-59-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2-Dichloropropane	78-87-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,3-Dichlorobenzene	541-73-1	ug/kg	9/10/2003	9/10/2003	3	0	0	330	330	309,747	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
207-A-South	1,4-Dichlorobenzene	106-46-7	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	1-Butanol	71-36-3	ug/kg	9/10/2003	9/10/2003	3	0	0	41	41	5.09E+07	No	No
207-A-South	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	2,4,5-Trichlorophenol	95-95-4	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	2,4,6-Trichlorophenol	88-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	2,4-Dichlorophenol	120-83-2	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	2,4-Dimethylphenol	105-67-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-Dinitrophenol	51-28-5	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	2,4-Dinitrotoluene	121-14-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	13,777	No	No
207-A-South	2,6-Dinitrotoluene	606-20-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	7.21E+08	No	No
207-A-South	2-Butoxyethanol	111-76-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	2-Chloronaphthalene	91-58-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	3	0	0	150	150	--	No	No
207-A-South	2-Hexanone	591-78-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2.04E+06	No	No
207-A-South	2-Methylnaphthalene	91-57-6	ug/kg	9/10/2003	9/10/2003	3	0	0	180	190	5,024	No	No
207-A-South	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	9/10/2003	11/12/2015	27	0	0	34	113	1.27E+08	No	No
207-A-South	2-Nitroaniline	88-74-4	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Nitrophenol	88-75-5	ug/kg	9/10/2003	9/10/2003	3	0	0	180	180	--	No	No
207-A-South	2-Pentanone	107-87-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	3,3'-Dichlorobenzidine	91-94-1	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	9/10/2003	11/12/2015	27	0	0	69	120	1.27E+08	No	No
207-A-South	3-Nitroaniline	99-09-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	4-Bromophenylphenyl ether	101-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloroaniline	106-47-8	ug/kg	9/10/2003	9/10/2003	3	0	0	95	96	--	No	No
207-A-South	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Methyl-2-pentanone	108-10-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	4-Nitroaniline	100-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	4-Nitrophenol	100-02-7	ug/kg	9/10/2003	9/10/2003	3	0	0	660	670	--	No	No
207-A-South	Acenaphthene	83-32-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	7.13E+07	No	No
207-A-South	Acenaphthylene	208-96-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	2.43E+07	No	No
207-A-South	Acetone	67-64-1	ug/kg	9/10/2003	11/12/2015	27	0	0	2.0	4.0	--	No	No
207-A-South	Aldrin	309-00-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	120	No	No
207-A-South	Alpha-BHC	319-84-6	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Alpha-Chlordane	5103-71-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	3	0	0	258	258	--	No	No
207-A-South	Anthracene	120-12-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1.79E+08	No	No
207-A-South	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	4,930	8,800	No	No
207-A-South	Aroclor-1016	12674-11-2	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	35,206	No	No
207-A-South	Aroclor-1221	11104-28-2	ug/kg	9/10/2003	9/10/2003	3	0	0	99	100	688	No	No
207-A-South	Aroclor-1232	11141-16-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	548	No	No
207-A-South	Aroclor-1242	53469-21-9	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	3,091	No	No
207-A-South	Aroclor-1248	12672-29-6	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	347	No	No
207-A-South	Aroclor-1254	11097-69-1	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	3,476	No	No
207-A-South	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	7,665	No	No
207-A-South	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	126,000	No	No
207-A-South	Benzene	71-43-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	285,001	No	No
207-A-South	Benzo(a)anthracene	56-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	306,810	No	No
207-A-South	Benzo(a)pyrene	50-32-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	60,379	No	No
207-A-South	Benzo(b)fluoranthene	205-99-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
207-A-South	Benzo(ghi)perylene	191-24-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	12,599	No	No
207-A-South	Benzo(k)fluoranthene	207-08-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	405,733	No	No
207-A-South	Benzyl alcohol	100-51-6	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	13,946	No	No
207-A-South	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	18	No	No
207-A-South	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	9/10/2003	9/10/2003	3	0	0	260	260	--	No	No
207-A-South	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	9/10/2003	9/10/2003	3	0	0	120	120	--	No	No
207-A-South	Bis(2-chloroethyl) ether	111-44-4	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	3	0	0	570	580	1,800	No	No
207-A-South	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	3	0	0	4,970	5,000	--	No	No
207-A-South	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	3	0	0	5,070	5,100	9,700	No	No
207-A-South	Bromodichloromethane	75-27-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromoform	75-25-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromomethane	74-83-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	76,189	No	No
207-A-South	Carbazole	86-74-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	Carbon disulfide	75-15-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Carbon tetrachloride	56-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	6.51E+06	No	No
207-A-South	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	3.8	61	No	No
207-A-South	Chlorobenzene	108-90-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	7.94E+06	No	No
207-A-South	Chloroethane	75-00-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	6.11E+06	No	No
207-A-South	Chloromethane	74-87-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	136,000	No	No
207-A-South	Chrysene	218-01-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	306,810	No	No
207-A-South	cis-1,3-Dichloropropene	10061-01-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	3	0	0	200	200	2.80E+07	No	No
207-A-South	Dalapon	75-99-0	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Delta-BHC	319-86-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Dibenz(a,h)anthracene	53-70-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	54,286	No	No
207-A-South	Dibenzofuran	132-64-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dibromochloromethane	124-48-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Dicamba	1918-00-9	ug/kg	9/3/2003	9/4/2003	5	0	0	70	75	--	No	No
207-A-South	Dichloroprop	120-36-5	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Dieldrin	60-57-1	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	0.068	Yes	Yes
207-A-South	Diethyl ether	60-29-7	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Dimethyl phthalate	131-11-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	3	0	0	89	89	--	No	No
207-A-South	Di-n-octylphthalate	117-84-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Endosulfan I	959-98-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	33	No	No
207-A-South	Endosulfan II	33213-65-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	918	No	No
207-A-South	Endosulfan sulfate	1031-07-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	310	No	No
207-A-South	Endrin aldehyde	7421-93-4	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	11	No	No
207-A-South	Endrin ketone	53494-70-5	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin	72-20-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Ethylbenzene	100-41-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	342,000	No	No
207-A-South	Ethylene glycol	107-21-1	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Fluoranthene	206-44-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1.96E+06	No	No
207-A-South	Fluorene	86-73-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	5.09E+07	No	No
207-A-South	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	3	0	0	350	350	9.82E+06	No	No
207-A-South	Gamma-BHC (Lindane)	58-89-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor epoxide	1024-57-3	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor	76-44-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Hexachlorobenzene	118-74-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Hexachlorobutadiene	87-68-3	ug/kg	9/10/2003	9/10/2003	3	0	0	370	380	--	No	No
207-A-South	Hexachlorocyclopentadiene	77-47-4	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
207-A-South	Hexachloroethane	67-72-1	ug/kg	9/10/2003	9/10/2003	3	0	0	480	480	--	No	No
207-A-South	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/10/2003	12	0	0	410	450	1.23E+06	No	No
207-A-South	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	62,638	No	No
207-A-South	Iodine-129	15046-84-1	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	12	--	No	No
207-A-South	Isophorone	78-59-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	3	0	0	11,700	11,800	1.20E+06	No	No
207-A-South	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	--	No	No
207-A-South	Methanol	67-56-1	ug/kg	9/10/2003	9/10/2003	3	0	0	1,000	1,000	--	No	No
207-A-South	Methoxychlor	72-43-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	250	No	No
207-A-South	Methylene chloride	75-09-2	ug/kg	9/10/2003	11/12/2015	27	0	0	1.3	6.7	2.38E+06	No	No
207-A-South	Naphthalene	91-20-3	ug/kg	9/10/2003	9/10/2003	3	0	0	290	290	33,318	No	No
207-A-South	n-Butylbenzene	104-51-8	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	529,533	No	No
207-A-South	Neptunium-237	13994-20-2	pCi/g	9/3/2003	9/10/2003	12	0	0	0.017	0.29	8,250	No	No
207-A-South	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	6,500	269,000	No	No
207-A-South	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/10/2003	12	0	0	2.3	2.8	--	No	No
207-A-South	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	3	0	0	1,480	1,480	--	No	No
207-A-South	Nitrobenzene	98-95-3	ug/kg	9/10/2003	9/10/2003	3	0	0	270	270	--	No	No
207-A-South	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	n-Nitrosodiphenylamine	86-30-6	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Oil and grease	OIL/GREASE	ug/kg	9/3/2003	9/10/2003	12	0	0	680,000	748,000	--	No	No
207-A-South	Pentachlorophenol	87-86-5	ug/kg	9/10/2003	9/10/2003	3	0	0	310	310	--	No	No
207-A-South	Phenanthrene	85-01-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3.01E+08	No	No
207-A-South	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	160	No	No
207-A-South	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	3	0	0	1,990	1,990	--	No	No
207-A-South	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	825,292	No	No
207-A-South	Ruthenium-103	13968-53-1	pCi/g	9/10/2003	9/10/2003	3	0	0	0.0090	0.015	--	No	No
207-A-South	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	1,800	Yes	Yes
207-A-South	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/10/2003	12	0	0	0.44	0.61	8,670	No	No
207-A-South	Tetrachloroethene	127-18-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	570,001	No	No
207-A-South	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	3	0	0	0.090	0.20	--	No	No
207-A-South	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2.12E+07	No	No
207-A-South	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	4.07E+08	No	No
207-A-South	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	4.07E+08	No	No
207-A-South	Toxaphene	8001-35-2	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	trans-1,3-Dichloropropene	10061-02-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	trans-Chlordane	5103-74-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Trichloroethene	79-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	285,001	No	No
207-A-South	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	37,000	No	No
207-A-South	Vinyl chloride	75-01-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Xylenes (total)	1330-20-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	422,286	No	No
207-T	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	4.07E+08	No	No
207-T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.64E+06	No	No
207-T	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	4.07E+08	No	No
207-T	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	2.04E+07	No	No
207-T	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.22E+07	No	No
207-T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	282,346	No	No
207-T	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	2.04E+07	No	No
207-T	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	309,747	No	No
207-T	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
207-T	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	13,777	No	No
207-T	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Butanone	78-93-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	7.21E+08	No	No
207-T	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Hexanone	591-78-6	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	2.04E+06	No	No
207-T	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	5,024	No	No
207-T	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1.27E+08	No	No
207-T	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1.27E+08	No	No
207-T	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Acenaphthene	83-32-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	7.13E+07	No	No
207-T	Acenaphthylene	208-96-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	2.43E+07	No	No
207-T	Americium-241	14596-10-2	pCi/g	8/7/2000	11/30/2000	6	0	0	0.050	0.21	71,700	No	No
207-T	Anthracene	120-12-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1.79E+08	No	No
207-T	Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0	0.028	0.034	--	No	No
207-T	Benzene	71-43-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	285,001	No	No
207-T	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	306,810	No	No
207-T	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	60,379	No	No
207-T	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	12,599	No	No
207-T	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	405,733	No	No
207-T	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromoform	75-25-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromomethane	74-83-9	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Cadmium	7440-43-9	ug/kg	8/7/2000	11/30/2000	3	0	0	30	30	76,189	No	No
207-T	Carbazole	86-74-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Carbon disulfide	75-15-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	6.51E+06	No	No
207-T	Chlorobenzene	108-90-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	7.94E+06	No	No
207-T	Chloroethane	75-00-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chloroform	67-66-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	6.11E+06	No	No
207-T	Chloromethane	74-87-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chrysene	218-01-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	306,810	No	No
207-T	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Cyanide	57-12-5	ug/kg	8/7/2000	11/30/2000	3	0	0	490	540	2.80E+07	No	No
207-T	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	54,286	No	No
207-T	Dibenzofuran	132-64-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Diethylphthalate	84-66-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
207-T	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Ethylbenzene	100-41-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	342,000	No	No
207-T	Fluoranthene	206-44-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1.96E+06	No	No
207-T	Fluorene	86-73-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	5.09E+07	No	No
207-T	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachloroethane	67-72-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	62,638	No	No
207-T	Iodine-129	15046-84-1	pCi/g	8/7/2000	11/30/2000	6	0	0	1.2	3.8	--	No	No
207-T	Isophorone	78-59-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Mercury	7439-97-6	ug/kg	8/7/2000	11/30/2000	3	0	0	20	20	--	No	No
207-T	Naphthalene	91-20-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	33,318	No	No
207-T	Nitrobenzene	98-95-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Phenanthrene	85-01-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3.01E+08	No	No
207-T	Pyrene	129-00-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	825,292	No	No
207-T	Selenium	7782-49-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	440	1,800	No	No
207-T	Silver	7440-22-4	ug/kg	8/7/2000	11/30/2000	3	0	0	100	110	1.44E+06	No	No
207-T	Styrene	100-42-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Sulfide	18496-25-8	ug/kg	8/7/2000	11/30/2000	3	0	0	37,700	40,300	--	No	No
207-T	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	570,001	No	No
207-T	Toluene	108-88-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	2.12E+07	No	No
207-T	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Trichloroethene	79-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	285,001	No	No
207-T	Vinyl chloride	75-01-4	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	422,286	No	No
216-A-34	1,1-Dichloroethene	75-35-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1.22E+07	No	No
216-A-34	1,2,4-Trichlorobenzene	120-82-1	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	--	No	No
216-A-34	1,2-Dichlorobenzene	95-50-1	ug/kg	4/4/2003	4/4/2003	1	0	0	370	370	282,346	No	No
216-A-34	1,3-Dichlorobenzene	541-73-1	ug/kg	4/4/2003	4/4/2003	1	0	0	330	330	309,747	No	No
216-A-34	1,4-Dichlorobenzene	106-46-7	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	1-Butanol	71-36-3	ug/kg	4/4/2003	4/4/2003	1	0	0	20	20	5.09E+07	No	No
216-A-34	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	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	0	17	17	--	No	No
216-A-34	2,4,5-Trichlorophenol	95-95-4	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4,6-Trichlorophenol	88-06-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	4/4/2003	1	0	0	34	34	--	No	No
216-A-34	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	2,4-Dichlorophenol	120-83-2	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2,4-Dimethylphenol	105-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-Dinitrophenol	51-28-5	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4-Dinitrotoluene	121-14-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	13,777	No	No
216-A-34	2,6-Dinitrotoluene	606-20-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	2-Chloronaphthalene	91-58-7	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	0	150	150	--	No	No
216-A-34	2-Methylnaphthalene	91-57-6	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	5,024	No	No
216-A-34	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1.27E+08	No	No
216-A-34	2-Nitroaniline	88-74-4	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitrophenol	88-75-5	ug/kg	4/4/2003	4/4/2003	1	0	0	180	180	--	No	No
216-A-34	3,3'-Dichlorobenzidine	91-94-1	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	3-Nitroaniline	99-09-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
216-A-34	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	4-Bromophenylphenyl ether	101-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloroaniline	106-47-8	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	--	No	No
216-A-34	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Nitroaniline	100-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	4-Nitrophenol	100-02-7	ug/kg	4/4/2003	4/4/2003	1	0	0	670	670	--	No	No
216-A-34	Acenaphthene	83-32-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	7.13E+07	No	No
216-A-34	Acenaphthylene	208-96-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	2.43E+07	No	No
216-A-34	Aldrin	309-00-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	120	No	No
216-A-34	Alpha-BHC	319-84-6	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Anthracene	120-12-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1.79E+08	No	No
216-A-34	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	0	239	239	8,800	No	No
216-A-34	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0	0.036	0.036	4,580	No	No
216-A-34	Benzene	71-43-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	285,001	No	No
216-A-34	Benzo(a)anthracene	56-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	306,810	No	No
216-A-34	Benzo(a)pyrene	50-32-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	60,379	No	No
216-A-34	Benzo(b)fluoranthene	205-99-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Benzo(ghi)perylene	191-24-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	12,599	No	No
216-A-34	Benzo(k)fluoranthene	207-08-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	405,733	No	No
216-A-34	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	18	No	No
216-A-34	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	4/4/2003	4/4/2003	1	0	0	260	260	--	No	No
216-A-34	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	Bis(2-chloroethyl) ether	111-44-4	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	0	6,770	6,770	--	No	No
216-A-34	Bromide	24959-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	900	900	--	No	No
216-A-34	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Carbazole	86-74-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	0	1.9	1.9	61	No	No
216-A-34	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.017	0.017	1,160	No	No
216-A-34	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.014	0.014	2,510	No	No
216-A-34	Chlorobenzene	108-90-7	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	7.94E+06	No	No
216-A-34	Chrysene	218-01-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	306,810	No	No
216-A-34	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0	0.012	0.012	805	No	No
216-A-34	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	2.80E+07	No	No
216-A-34	Dalapon	75-99-0	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Delta-BHC	319-86-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Dibenz(a,h)anthracene	53-70-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	54,286	No	No
216-A-34	Dibenzofuran	132-64-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dicamba	1918-00-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dichloroprop	120-36-5	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Dieldrin	60-57-1	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	0.068	Yes	Yes
216-A-34	Diethyl ether	60-29-7	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Diethylphthalate	84-66-2	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dimethyl phthalate	131-11-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	89	89	--	No	No
216-A-34	Di-n-octylphthalate	117-84-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Endosulfan I	959-98-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	33	No	No
216-A-34	Endosulfan II	33213-65-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	918	No	No
216-A-34	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	310	No	No
216-A-34	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	11	No	No
216-A-34	Endrin ketone	53494-70-5	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin	72-20-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Ethylene glycol	107-21-1	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.040	0.040	1,740	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
216-A-34	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.038	0.038	1,610	No	No
216-A-34	Fluoranthene	206-44-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1.96E+06	No	No
216-A-34	Fluorene	86-73-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	5.09E+07	No	No
216-A-34	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor	76-44-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Hexachlorobenzene	118-74-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Hexachlorobutadiene	87-68-3	ug/kg	4/4/2003	4/4/2003	1	0	0	380	380	--	No	No
216-A-34	Hexachlorocyclopentadiene	77-47-4	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	Hexachloroethane	67-72-1	ug/kg	4/4/2003	4/4/2003	1	0	0	480	480	--	No	No
216-A-34	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	0	420	420	1.23E+06	No	No
216-A-34	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	62,638	No	No
216-A-34	Iodine-129	15046-84-1	pCi/g	4/4/2003	4/4/2003	1	0	0	2.4	2.4	--	No	No
216-A-34	Isophorone	78-59-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	0	48	48	--	No	No
216-A-34	Methanol	67-56-1	ug/kg	4/4/2003	4/4/2003	1	0	0	1,000	1,000	--	No	No
216-A-34	Methoxychlor	72-43-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	250	No	No
216-A-34	Molybdenum	7439-98-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	590	Yes	Yes
216-A-34	Naphthalene	91-20-3	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	33,318	No	No
216-A-34	Neptunium-237	13994-20-2	pCi/g	4/4/2003	4/4/2003	1	0	0	0.092	0.092	8,250	No	No
216-A-34	Nitrite	14797-65-0	ug/kg	4/4/2003	4/4/2003	1	0	0	591	591	--	No	No
216-A-34	Nitrobenzene	98-95-3	ug/kg	4/4/2003	4/4/2003	1	0	0	270	270	--	No	No
216-A-34	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	n-Nitrosodiphenylamine	86-30-6	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	4/4/2003	1	0	0	694,000	694,000	--	No	No
216-A-34	Pentachlorophenol	87-86-5	ug/kg	4/4/2003	4/4/2003	1	0	0	310	310	--	No	No
216-A-34	Phenanthrene	85-01-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3.01E+08	No	No
216-A-34	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	160	No	No
216-A-34	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.28	0.28	291,000	No	No
216-A-34	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	825,292	No	No
216-A-34	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.013	0.013	--	No	No
216-A-34	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.12	0.12	--	No	No
216-A-34	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	1,800	No	No
216-A-34	Silver	7440-22-4	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	1.44E+06	No	No
216-A-34	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0	0.58	0.58	8,670	No	No
216-A-34	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0	0.20	0.20	--	No	No
216-A-34	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	2.12E+07	No	No
216-A-34	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	4.07E+08	No	No
216-A-34	Toxaphene	8001-35-2	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Trichloroethene	79-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	285,001	No	No
216-A-34	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0	0.17	0.17	3,270	No	No
UPR-200-E-64	Cadmium	7440-43-9	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	76,189	No	No
UPR-200-E-64	Cobalt-60	10198-40-0	pCi/g	2/11/2008	2/12/2008	2	0	0	0.013	0.064	805	No	No
UPR-200-E-64	Europium-152	14683-23-9	pCi/g	2/11/2008	2/12/2008	2	0	0	0.036	0.98	1,740	No	No
UPR-200-E-64	Europium-155	14391-16-3	pCi/g	2/11/2008	2/12/2008	2	0	0	0.053	1.1	33,400	No	No
UPR-200-E-64	Fluoride	16984-48-8	ug/kg	2/11/2008	2/12/2008	2	0	0	294	300	9.82E+06	No	No
UPR-200-E-64	Neptunium-237	13994-20-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.038	0.043	8,250	No	No
UPR-200-E-64	Nickel-63	13981-37-8	pCi/g	2/11/2008	2/12/2008	2	0	0	3.4	6.3	--	No	No
UPR-200-E-64	Nitrite	14797-65-0	ug/kg	2/11/2008	2/12/2008	2	0	0	1,610	1,640	--	No	No
UPR-200-E-64	Silver	7440-22-4	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	1.44E+06	No	No
UPR-200-E-64	Strontium-90	10098-97-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.48	12	700	No	No
UPR-200-E-64	Technetium-99	14133-76-7	pCi/g	2/11/2008	2/12/2008	2	0	0	0.39	0.74	8,670	No	No
UPR-200-E-64	Tritium	10028-17-8	pCi/g	2/11/2008	2/12/2008	2	0	0	4.0	4.2	3,270	No	No
UPR-200-E-89	1,1,1-Trichloroethane	71-55-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	4.07E+08	No	No
UPR-200-E-89	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.64E+06	No	No
UPR-200-E-89	1,1,2-Trichloroethane	79-00-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	4.07E+08	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
UPR-200-E-89	1,1-Dichloroethane	75-34-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	2.04E+07	No	No
UPR-200-E-89	1,1-Dichloroethene	75-35-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.22E+07	No	No
UPR-200-E-89	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,2,4-Trichlorobenzene	120-82-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,2-Dichlorobenzene	95-50-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	282,346	No	No
UPR-200-E-89	1,2-Dichloroethane	107-06-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	2.04E+07	No	No
UPR-200-E-89	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2-Dichloropropane	78-87-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,3-Dichlorobenzene	541-73-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	309,747	No	No
UPR-200-E-89	1,4-Dichlorobenzene	106-46-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10	11	--	No	No
UPR-200-E-89	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4,5-Trichlorophenol	95-95-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4,6-Trichlorophenol	88-06-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dichlorophenol	120-83-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dimethylphenol	105-67-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrophenol	51-28-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrotoluene	121-14-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	13,777	No	No
UPR-200-E-89	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,6-Dinitrotoluene	606-20-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Butanone	78-93-3	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	7.21E+08	No	No
UPR-200-E-89	2-Chloronaphthalene	91-58-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Hexanone	591-78-6	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	2.04E+06	No	No
UPR-200-E-89	2-Methylnaphthalene	91-57-6	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	5,024	No	No
UPR-200-E-89	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	1.27E+08	No	No
UPR-200-E-89	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Nitroaniline	88-74-4	ug/kg	7/16/2015	10/22/2015	9	0	0	114	116	--	No	No
UPR-200-E-89	2-Nitrophenol	88-75-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dichlorobenzidine	91-94-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	1.27E+08	No	No
UPR-200-E-89	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Nitroaniline	99-09-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	4-Bromophenylphenyl ether	101-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	10/22/2015	9	0	0	138	141	--	No	No
UPR-200-E-89	4-Chloroaniline	106-47-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Methyl-2-pentanone	108-10-1	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	4-Nitroaniline	100-01-6	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitrophenol	100-02-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Acenaphthene	83-32-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	7.13E+07	No	No
UPR-200-E-89	Acenaphthylene	208-96-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	2.43E+07	No	No
UPR-200-E-89	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122	--	No	No
UPR-200-E-89	Americium-241	14596-10-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.16	0.47	71,700	No	No
UPR-200-E-89	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Anthracene	120-12-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	1.79E+08	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
UPR-200-E-89	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Aroclor-1016	12674-11-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	35,206	No	No
UPR-200-E-89	Aroclor-1221	11104-28-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	688	No	No
UPR-200-E-89	Aroclor-1232	11141-16-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	548	No	No
UPR-200-E-89	Aroclor-1242	53469-21-9	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	3,091	No	No
UPR-200-E-89	Aroclor-1248	12672-29-6	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	347	No	No
UPR-200-E-89	Aroclor-1254	11097-69-1	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	3,476	No	No
UPR-200-E-89	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	7,665	No	No
UPR-200-E-89	Aroclor-1262	37324-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Aroclor-1268	11100-14-4	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Benzene	71-43-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	285,001	No	No
UPR-200-E-89	Benzo(a)anthracene	56-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	306,810	No	No
UPR-200-E-89	Benzo(a)pyrene	50-32-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	60,379	No	No
UPR-200-E-89	Benzo(b)fluoranthene	205-99-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Benzo(ghi)perylene	191-24-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	12,599	No	No
UPR-200-E-89	Benzo(k)fluoranthene	207-08-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	405,733	No	No
UPR-200-E-89	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175	--	No	No
UPR-200-E-89	Benzyl alcohol	100-51-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloroethyl) ether	111-44-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bismuth	7440-69-9	ug/kg	7/16/2015	7/21/2015	2	0	0	91	103	--	No	No
UPR-200-E-89	Bromodichloromethane	75-27-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromoform	75-25-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromomethane	74-83-9	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Carbazole	86-74-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Carbon disulfide	75-15-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	--	No	No
UPR-200-E-89	Carbon tetrachloride	56-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	6.51E+06	No	No
UPR-200-E-89	Carbon-14	14762-75-5	pCi/g	7/16/2015	10/22/2015	8	0	0	2.5	4.4	61	No	No
UPR-200-E-89	Chlorobenzene	108-90-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	7.94E+06	No	No
UPR-200-E-89	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Chloroethane	75-00-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chloroform	67-66-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	6.11E+06	No	No
UPR-200-E-89	Chloromethane	74-87-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chrysene	218-01-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	306,810	No	No
UPR-200-E-89	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Cobalt-60	10198-40-0	pCi/g	4/29/2008	10/22/2015	3	0	0	0.042	0.16	805	No	No
UPR-200-E-89	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dibenz(a,h)anthracene	53-70-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	54,286	No	No
UPR-200-E-89	Dibenzofuran	132-64-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dibromochloromethane	124-48-1	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Diethylphthalate	84-66-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dimethyl phthalate	131-11-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Di-n-octylphthalate	117-84-0	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethylbenzene	100-41-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	342,000	No	No
UPR-200-E-89	Europium-152	14683-23-9	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.72	1,740	No	No
UPR-200-E-89	Europium-154	15585-10-1	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.48	1,610	No	No
UPR-200-E-89	Europium-155	14391-16-3	pCi/g	4/29/2008	10/22/2015	3	0	0	0.10	0.86	33,400	No	No
UPR-200-E-89	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Fluoranthene	206-44-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	1.96E+06	No	No
UPR-200-E-89	Fluorene	86-73-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	5.09E+07	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
UPR-200-E-89	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	0	6.4	6.4	--	No	No
UPR-200-E-89	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	0	15	15	--	No	No
UPR-200-E-89	Hexachlorobenzene	118-74-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorobutadiene	87-68-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorocyclopentadiene	77-47-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachloroethane	67-72-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4,000	4,050	--	No	No
UPR-200-E-89	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	62,638	No	No
UPR-200-E-89	Iodine-129	15046-84-1	pCi/g	10/1/2015	10/22/2015	3	0	0	1.2	1.8	--	No	No
UPR-200-E-89	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	69	70	--	No	No
UPR-200-E-89	Isophorone	78-59-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Mercury	7439-97-6	ug/kg	7/16/2015	10/22/2015	4	0	0	3.8	4.0	--	No	No
UPR-200-E-89	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methylene chloride	75-09-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	2.38E+06	No	No
UPR-200-E-89	Naphthalene	91-20-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	33,318	No	No
UPR-200-E-89	Neptunium-237	13994-20-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.69	8,250	No	No
UPR-200-E-89	Nickel-63	13981-37-8	pCi/g	7/16/2015	10/22/2015	9	0	0	12	18	--	No	No
UPR-200-E-89	Nitrite	14797-65-0	ug/kg	4/29/2008	10/22/2015	10	0	0	1,010	1,140	--	No	No
UPR-200-E-89	Nitrobenzene	98-95-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomorpholine	59-89-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorophenol	87-86-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Phenanthrene	85-01-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3.01E+08	No	No
UPR-200-E-89	Phenol	108-95-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	160	No	No
UPR-200-E-89	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Plutonium-238	13981-16-3	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.62	291,000	No	No
UPR-200-E-89	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	10/22/2015	9	0	0	0.39	0.75	324,000	No	No
UPR-200-E-89	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3,440	3,490	--	No	No
UPR-200-E-89	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pyrene	129-00-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	825,292	No	No
UPR-200-E-89	Pyridine	110-86-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Styrene	100-42-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Technetium-99	14133-76-7	pCi/g	7/16/2015	10/22/2015	6	0	0	9.5	12	8,670	No	No
UPR-200-E-89	Tetrachloroethene	127-18-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	570,001	No	No
UPR-200-E-89	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
UPR-200-E-89	Total cresols	1319-77-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	0	200,000	200,000	--	No	No
UPR-200-E-89	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	7/16/2015	10/22/2015	8	0	0	1,150	1,170	4.07E+08	No	No
UPR-200-E-89	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Trichloroethene	79-01-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	285,001	No	No
UPR-200-E-89	Tritium	10028-17-8	pCi/g	7/16/2015	10/22/2015	9	0	0	14	28	3,270	No	No
UPR-200-E-89	Uranium-235	15117-96-1	pCi/g	7/16/2015	10/22/2015	9	0	0	0.19	0.88	8,600	No	No
UPR-200-E-89	Vinyl chloride	75-01-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Xylenes (total)	1330-20-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	422,286	No	No
UPR-200-W-99	1,1,1-Trichloroethane	71-55-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	4.07E+08	No	No
UPR-200-W-99	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.64E+06	No	No
UPR-200-W-99	1,1,2-Trichloroethane	79-00-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	4.07E+08	No	No
UPR-200-W-99	1,1-Dichloroethane	75-34-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	2.04E+07	No	No
UPR-200-W-99	1,1-Dichloroethene	75-35-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.22E+07	No	No
UPR-200-W-99	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	--	No	No
UPR-200-W-99	1,2-Dichlorobenzene	95-50-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	282,346	No	No
UPR-200-W-99	1,2-Dichloroethane	107-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	2.04E+07	No	No
UPR-200-W-99	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2-Dichloropropane	78-87-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,3-Dichlorobenzene	541-73-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	309,747	No	No
UPR-200-W-99	1,4-Dichlorobenzene	106-46-7	ug/kg	8/22/2000	5/12/2009	3	0	0	260	380	--	No	No
UPR-200-W-99	1-Butanol	71-36-3	ug/kg	10/28/2002	10/28/2002	1	0	0	26,000	26,000	5.09E+07	No	No
UPR-200-W-99	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dichlorophenol	120-83-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dimethylphenol	105-67-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dinitrophenol	51-28-5	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4-Dinitrotoluene	121-14-2	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	13,777	No	No
UPR-200-W-99	2,6-Dinitrotoluene	606-20-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Chloronaphthalene	91-58-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Hexanone	591-78-6	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	2.04E+06	No	No
UPR-200-W-99	2-Methylnaphthalene	91-57-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	5,024	No	No
UPR-200-W-99	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1.27E+08	No	No
UPR-200-W-99	2-Nitroaniline	88-74-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2-Nitrophenol	88-75-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/22/2000	8/22/2000	1	0	0	340	340	1.27E+08	No	No
UPR-200-W-99	3-Nitroaniline	99-09-2	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chloroaniline	106-47-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Methyl-2-pentanone	108-10-1	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	4-Nitroaniline	100-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Nitrophenol	100-02-7	ug/kg	8/22/2000	5/12/2009	3	0	0	340	960	--	No	No
UPR-200-W-99	Acenaphthene	83-32-9	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	7.13E+07	No	No
UPR-200-W-99	Acenaphthylene	208-96-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	2.43E+07	No	No
UPR-200-W-99	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	1	0	0	3,650	3,650	--	No	No
UPR-200-W-99	Anthracene	120-12-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1.79E+08	No	No
UPR-200-W-99	Antimony	7440-36-0	ug/kg	10/28/2002	10/28/2002	1	0	0	190	190	8,800	No	No
UPR-200-W-99	Antimony-125	14234-35-6	pCi/g	10/28/2002	5/12/2009	2	0	0	0.030	0.22	4,580	No	No
UPR-200-W-99	Aroclor-1016	12674-11-2	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	35,206	No	No
UPR-200-W-99	Aroclor-1221	11104-28-2	ug/kg	10/28/2002	5/12/2009	2	0	0	20	77	688	No	No
UPR-200-W-99	Aroclor-1232	11141-16-5	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	548	No	No
UPR-200-W-99	Aroclor-1242	53469-21-9	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	3,091	No	No
UPR-200-W-99	Aroclor-1248	12672-29-6	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	347	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
UPR-200-W-99	Aroclor-1254	11097-69-1	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	3,476	No	No
UPR-200-W-99	Aroclor-1262	37324-23-5	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Aroclor-1268	11100-14-4	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Benzene	71-43-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	285,001	No	No
UPR-200-W-99	Benzo(a)anthracene	56-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	306,810	No	No
UPR-200-W-99	Benzo(a)pyrene	50-32-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	60,379	No	No
UPR-200-W-99	Benzo(b)fluoranthene	205-99-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Benzo(ghi)perylene	191-24-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	12,599	No	No
UPR-200-W-99	Benzo(k)fluoranthene	207-08-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	405,733	No	No
UPR-200-W-99	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bismuth	7440-69-9	ug/kg	10/28/2002	5/12/2009	2	0	0	670	2,300	--	No	No
UPR-200-W-99	Bromodichloromethane	75-27-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromoform	75-25-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromomethane	74-83-9	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbazole	86-74-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbon disulfide	75-15-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Carbon tetrachloride	56-23-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	6.51E+06	No	No
UPR-200-W-99	Cesium-134	13967-70-9	pCi/g	10/28/2002	5/12/2009	2	0	0	0.014	0.12	1,160	No	No
UPR-200-W-99	Chlorobenzene	108-90-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	7.94E+06	No	No
UPR-200-W-99	Chloroethane	75-00-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chloroform	67-66-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	6.11E+06	No	No
UPR-200-W-99	Chloromethane	74-87-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chrysene	218-01-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	306,810	No	No
UPR-200-W-99	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Cobalt-60	10198-40-0	pCi/g	8/22/2000	5/12/2009	4	0	0	0.010	0.10	805	No	No
UPR-200-W-99	Cyanide	57-12-5	ug/kg	8/22/2000	5/12/2009	3	0	0	200	550	2.80E+07	No	No
UPR-200-W-99	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	54,286	No	No
UPR-200-W-99	Dibenzofuran	132-64-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dibromochloromethane	124-48-1	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Diethylphthalate	84-66-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dimethyl phthalate	131-11-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Di-n-octylphthalate	117-84-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Ethylbenzene	100-41-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	342,000	No	No
UPR-200-W-99	Europium-152	14683-23-9	pCi/g	8/22/2000	5/12/2009	4	0	0	0.033	0.23	1,740	No	No
UPR-200-W-99	Europium-154	15585-10-1	pCi/g	8/22/2000	5/12/2009	4	0	0	0.031	0.35	1,610	No	No
UPR-200-W-99	Europium-155	14391-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.046	0.19	33,400	No	No
UPR-200-W-99	Fluoranthene	206-44-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1.96E+06	No	No
UPR-200-W-99	Fluorene	86-73-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	5.09E+07	No	No
UPR-200-W-99	Hexachlorobenzene	118-74-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorobutadiene	87-68-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachloroethane	67-72-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	62,638	No	No
UPR-200-W-99	Iodine-129	15046-84-1	pCi/g	8/22/2000	5/12/2009	3	0	0	1.3	1.7	--	No	No
UPR-200-W-99	Isophorone	78-59-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Mercury	7439-97-6	ug/kg	8/22/2000	5/12/2009	3	0	0	20	50	--	No	No
UPR-200-W-99	Naphthalene	91-20-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	33,318	No	No
UPR-200-W-99	Neptunium-237	13994-20-2	pCi/g	10/28/2002	5/12/2009	2	0	0	0.093	0.12	8,250	No	No
UPR-200-W-99	Nickel-63	13981-37-8	pCi/g	10/28/2002	5/12/2009	2	0	0	2.2	3.3	--	No	No
UPR-200-W-99	Nitrite	14797-65-0	ug/kg	10/28/2002	10/28/2002	1	0	0	1,440	1,440	--	No	No
UPR-200-W-99	Nitrobenzene	98-95-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Pentachlorophenol	87-86-5	ug/kg	8/22/2000	5/12/2009	3	0	0	410	960	--	No	No
UPR-200-W-99	Phenanthrene	85-01-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3.01E+08	No	No

Table A-9. Comparison of Minimum and Maximum MDLs and MDAs to the Great Basin Pocket Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Great Basin Pocket Mouse PRG	Is Minimum MDL or MDA > Great Basin pocket mouse PRG?	Is Maximum MDL or MDA > Great Basin pocket mouse PRG?
UPR-200-W-99	Plutonium-238	13981-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.023	0.19	291,000	No	No
UPR-200-W-99	Pyridine	110-86-1	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Silver	7440-22-4	ug/kg	8/22/2000	5/12/2009	3	0	0	99	160	1.44E+06	No	No
UPR-200-W-99	Styrene	100-42-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Sulfide	18496-25-8	ug/kg	8/22/2000	8/22/2000	1	0	0	20,600	20,600	--	No	No
UPR-200-W-99	Technetium-99	14133-76-7	pCi/g	8/22/2000	5/12/2009	4	0	0	0.38	0.61	8,670	No	No
UPR-200-W-99	Tetrachloroethene	127-18-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	570,001	No	No
UPR-200-W-99	Tin-126	15832-50-5	pCi/g	10/28/2002	10/28/2002	1	0	0	0.10	0.10	--	No	No
UPR-200-W-99	Toluene	108-88-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	2.12E+07	No	No
UPR-200-W-99	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/28/2002	10/28/2002	1	0	0	33	33	--	No	No
UPR-200-W-99	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	5/12/2009	2	0	0	150	380	--	No	No
UPR-200-W-99	Trichloroethene	79-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	285,001	No	No
UPR-200-W-99	Tritium	10028-17-8	pCi/g	8/22/2000	5/12/2009	4	0	0	0.091	3.6	3,270	No	No
UPR-200-W-99	Vinyl chloride	75-01-4	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Xylenes (total)	1330-20-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	422,286	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
200-E-115	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	1,1,1-Trichloroethane	71-55-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	1.14E+07	No	No
200-E-115	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.25	102,181	No	No
200-E-115	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	--	No	No
200-E-115	1,1,2-Trichloroethane	79-00-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.19	1.15E+07	No	No
200-E-115	1,1-Dichloroethene	75-35-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.35	0.49	343,832	No	No
200-E-115	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/17/2010	8/29/2010	8	0	0	75	77	--	No	No
200-E-115	1,2-Dichlorobenzene	95-50-1	ug/kg	8/17/2010	8/29/2010	8	0	0	97	101	294,000	No	No
200-E-115	1,2-Dichloroethane	107-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.044	0.063	585,789	No	No
200-E-115	1-Butanol	71-36-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.5	12	2.91E+06	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.00E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	5.10E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,3,5-Trichlorobiphenyl	55720-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.80E-04	--	No	No
200-E-115	2',3,5-Trichlorobiphenyl	37680-68-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	2,3,6-Trichlorobiphenyl	55702-45-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	8.30E-04	--	No	No
200-E-115	2,3',6-Trichlorobiphenyl	38444-76-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	7.10E-04	--	No	No
200-E-115	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.10E-04	0.0019	--	No	No
200-E-115	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.60E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/17/2010	8/29/2010	8	0	0	42	44	--	No	No
200-E-115	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	48	50	--	No	No
200-E-115	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.30E-04	0.0020	--	No	No
200-E-115	2,4-Dinitrotoluene	121-14-2	ug/kg	8/17/2010	8/29/2010	8	0	0	37	38	13,461	No	No
200-E-115	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	8.40E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	9.00E-04	0.0021	--	No	No
200-E-115	2-Butanone	78-93-3	ug/kg	8/17/2010	8/29/2010	8	0	0	1.6	2.3	1.60E+08	No	No
200-E-115	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	8/29/2010	8	0	0	64	67	--	No	No
200-E-115	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/17/2010	8/29/2010	8	0	0	92	94	--	No	No
200-E-115	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/17/2010	8/29/2010	8	0	0	55	58	1.00E+07	No	No
200-E-115	2-Nitrophenol	88-75-5	ug/kg	8/17/2010	8/29/2010	8	0	0	52	54	--	No	No
200-E-115	2-Nitropropane	79-46-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',4-Trichlorobiphenyl	37680-69-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,4,5-Trichlorobiphenyl	53555-66-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	6.00E-04	--	No	No
200-E-115	3,4',5-Trichlorobiphenyl	38444-88-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04	--	No	No
200-E-115	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	7.10E-04	0.0017	--	No	No
200-E-115	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/17/2010	8/29/2010	8	0	0	50	51	1.01E+07	No	No
200-E-115	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04	--	No	No
200-E-115	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.085	0.26	--	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
200-E-115	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.41	1.2	--	No	No
200-E-115	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.65	2.0	--	No	No
200-E-115	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	8.80E-04	0.0023	--	No	No
200-E-115	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	42	43	--	No	No
200-E-115	4-Methyl-2-pentanone	108-10-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.4	2.0	--	No	No
200-E-115	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.90E-04	--	No	No
200-E-115	Acenaphthene	83-32-9	ug/kg	8/17/2010	8/29/2010	8	0	0	17	18	1.40E+06	No	No
200-E-115	Acetone	67-64-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.8	2.6	--	No	No
200-E-115	Aldrin	309-00-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.32	0.98	2,000	No	No
200-E-115	Alpha-BHC	319-84-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.42	--	No	No
200-E-115	Americium-241	14596-10-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.42	0.61	48,400	No	No
200-E-115	Antimony-125	14234-35-6	pCi/g	8/17/2010	8/29/2010	8	0	0	0.71	1.2	4,580	No	No
200-E-115	Aroclor-1016	12674-11-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	2,752	No	No
200-E-115	Aroclor-1221	11104-28-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	250	No	No
200-E-115	Aroclor-1232	11141-16-5	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	240	No	No
200-E-115	Aroclor-1242	53469-21-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	304	No	No
200-E-115	Aroclor-1248	12672-29-6	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	60	No	No
200-E-115	Aroclor-1254	11097-69-1	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	301	No	No
200-E-115	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	302	No	No
200-E-115	Benzene	71-43-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.12	0.17	8,023	No	No
200-E-115	Benzo(a)anthracene	56-55-3	ug/kg	8/17/2010	8/29/2010	8	0	0	36	38	7,259	No	No
200-E-115	Benzo(a)pyrene	50-32-8	ug/kg	8/17/2010	8/29/2010	8	0	0	40	41	8,081	No	No
200-E-115	Benzo(b)fluoranthene	205-99-2	ug/kg	8/17/2010	8/29/2010	8	0	0	47	49	4,084	No	No
200-E-115	Benzo(k)fluoranthene	207-08-9	ug/kg	8/17/2010	8/29/2010	8	0	0	38	39	4,559	No	No
200-E-115	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.31	0.96	1,700	No	No
200-E-115	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/17/2010	8/29/2010	8	0	0	568	590	5,352	No	No
200-E-115	Bismuth	7440-69-9	ug/kg	8/18/2010	8/18/2010	1	0	0	8,310	8,310	--	No	No
200-E-115	Bromide	24959-67-9	ug/kg	8/17/2010	8/29/2010	8	0	0	567	580	--	No	No
200-E-115	Carbon disulfide	75-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.13	0.19	--	No	No
200-E-115	Carbon tetrachloride	56-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	182,772	No	No
200-E-115	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	8/29/2010	8	0	0	176	182	--	No	No
200-E-115	Cesium-137	10045-97-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.34	0.58	2,630	No	No
200-E-115	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12	20,500	No	No
200-E-115	Chlorobenzene	108-90-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.071	0.10	222,768	No	No
200-E-115	Chloroform	67-66-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.11	0.15	172,032	No	No
200-E-115	Chrysene	218-01-9	ug/kg	8/17/2010	8/29/2010	8	0	0	78	81	5,094	No	No
200-E-115	cis-1,2-Dichloroethylene	156-59-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.15	0.21	518,113	No	No
200-E-115	Cobalt-60	10198-40-0	pCi/g	8/17/2010	8/29/2010	8	0	0	0.28	0.44	805	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	Curium-242	15510-73-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-E-115	Curium-243/244	CM-243/244	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	715,000	No	No
200-E-115	Cyanide	57-12-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2,600	2,680	2.07E+07	No	No
200-E-115	Cyclohexanone	108-94-1	ug/kg	8/17/2010	8/29/2010	8	0	0	537	558	--	No	No
200-E-115	Delta-BHC	319-86-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.77	--	No	No
200-E-115	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	4,858	No	No
200-E-115	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	8/29/2010	8	0	0	870	920	--	No	No
200-E-115	Dieldrin	60-57-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.69	12	No	No
200-E-115	Diethyl ether	60-29-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.21	0.30	--	No	No
200-E-115	Di-n-octylphthalate	117-84-0	ug/kg	8/17/2010	8/29/2010	8	0	0	46	48	--	No	No
200-E-115	Endrin	72-20-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.43	--	No	No
200-E-115	Ethyl acetate	141-78-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
200-E-115	Ethylbenzene	100-41-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.088	0.13	384,000	No	No
200-E-115	Ethylene glycol	107-21-1	ug/kg	8/17/2010	8/29/2010	8	0	0	13,000	14,000	--	No	No
200-E-115	Europium-152	14683-23-9	pCi/g	8/17/2010	8/29/2010	8	0	0	1.4	2.0	1,740	No	No
200-E-115	Europium-154	15585-10-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.89	1.5	1,610	No	No
200-E-115	Europium-155	14391-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.46	1.0	33,400	No	No
200-E-115	Fluoranthene	206-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	34	35	420,677	No	No
200-E-115	Gamma-BHC (Lindane)	58-89-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.18	0.54	--	No	No
200-E-115	Heptachlor epoxide	1024-57-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.45	1.4	--	No	No
200-E-115	Heptachlor	76-44-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.099	0.30	--	No	No
200-E-115	Hexachlorobutadiene	87-68-3	ug/kg	8/17/2010	8/29/2010	8	0	0	67	70	--	No	No
200-E-115	Hexachloroethane	67-72-1	ug/kg	8/17/2010	8/29/2010	8	0	0	108	112	--	No	No
200-E-115	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	4,003	No	No
200-E-115	Iodine-129	15046-84-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.14	0.22	--	No	No
200-E-115	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	443	460	--	No	No
200-E-115	Mercury	7439-97-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.2	9.8	--	No	No
200-E-115	Methylene chloride	75-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.053	0.075	67,334	No	No
200-E-115	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	630	680	--	No	No
200-E-115	Naphthalene	91-20-3	ug/kg	8/17/2010	8/29/2010	8	0	0	60	63	36,203	No	No
200-E-115	Nickel-63	13981-37-8	pCi/g	8/17/2010	8/29/2010	8	0	0	4.3	5.9	--	No	No
200-E-115	Nitrobenzene	98-95-3	ug/kg	8/17/2010	8/29/2010	8	0	0	62	65	--	No	No
200-E-115	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	8/29/2010	8	0	0	56	58	--	No	No
200-E-115	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	8/29/2010	8	0	0	184	191	--	No	No
200-E-115	o-Xylene	95-47-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	--	No	No
200-E-115	Plutonium-238	13981-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	161,000	No	No
200-E-115	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	175,000	No	No
200-E-115	Pyrene	129-00-0	ug/kg	8/17/2010	8/29/2010	8	0	0	61	63	360,006	No	No
200-E-115	Pyridine	110-86-1	ug/kg	8/17/2010	8/29/2010	8	0	0	63	65	--	No	No
200-E-115	Strontium-90	10098-97-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.18	0.57	519	No	No
200-E-115	Tetrachloroethene	127-18-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.090	0.13	15,950	No	No
200-E-115	Total cresols	1319-77-3	ug/kg	8/17/2010	8/29/2010	8	0	0	103	107	--	No	No
200-E-115	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	8/17/2010	8/29/2010	8	0	0	10	11	--	No	No
200-E-115	trans-1,2-Dichloroethylene	156-60-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.35	518,113	No	No
200-E-115	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.32	--	No	No
200-E-115	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	8/29/2010	8	0	0	104	108	--	No	No
200-E-115	Trichloroethene	79-01-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.100	0.14	8,013	No	No
200-E-115	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	--	No	No
200-E-115	Vinyl chloride	75-01-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	Xylenes (total)	1330-20-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.24	481,000	No	No
200-W-54	1,1,1-Trichloroethane	71-55-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.14E+07	No	No
200-W-54	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	102,181	No	No
200-W-54	1,1,2-Trichloroethane	79-00-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.15E+07	No	No
200-W-54	1,1-Dichloroethane	75-34-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	573,947	No	No
200-W-54	1,1-Dichloroethene	75-35-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	343,832	No	No
200-W-54	1,2,4-Trichlorobenzene	120-82-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,2-Dichlorobenzene	95-50-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	294,000	No	No
200-W-54	1,2-Dichloroethane	107-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	585,789	No	No
200-W-54	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,2-Dichloropropane	78-87-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,3-Dichlorobenzene	541-73-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	314,000	No	No
200-W-54	1,4-Dichlorobenzene	106-46-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4,5-Trichlorophenol	95-95-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4,6-Trichlorophenol	88-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dichlorophenol	120-83-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dimethylphenol	105-67-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dinitrophenol	51-28-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4-Dinitrotoluene	121-14-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	13,461	No	No
200-W-54	2,6-Dinitrotoluene	606-20-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Butanone	78-93-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	1.60E+08	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
200-W-54	2-Chloronaphthalene	91-58-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Hexanone	591-78-6	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	243,595	No	No
200-W-54	2-Methylnaphthalene	91-57-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	5,465	No	No
200-W-54	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1.00E+07	No	No
200-W-54	2-Nitroaniline	88-74-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2-Nitrophenol	88-75-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3,3'-Dichlorobenzidine	91-94-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1.01E+07	No	No
200-W-54	3-Nitroaniline	99-09-2	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Bromophenylphenyl ether	101-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloroaniline	106-47-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Methyl-2-pentanone	108-10-1	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	4-Nitroaniline	100-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Nitrophenol	100-02-7	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Acenaphthene	83-32-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1.40E+06	No	No
200-W-54	Acenaphthylene	208-96-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	91,393	No	No
200-W-54	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.13	0.13	48,400	No	No
200-W-54	Anthracene	120-12-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4.78E+06	No	No
200-W-54	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	2,752	No	No
200-W-54	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/19/2001	1	0	0	69	69	250	No	No
200-W-54	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	240	No	No
200-W-54	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	304	No	No
200-W-54	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	60	No	No
200-W-54	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	301	No	No
200-W-54	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	302	No	No
200-W-54	Benzene	71-43-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	8,023	No	No
200-W-54	Benzo(a)anthracene	56-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	7,259	No	No
200-W-54	Benzo(a)pyrene	50-32-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	8,081	No	No
200-W-54	Benzo(b)fluoranthene	205-99-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4,084	No	No
200-W-54	Benzo(ghi)perylene	191-24-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3,467	No	No
200-W-54	Benzo(k)fluoranthene	207-08-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4,559	No	No
200-W-54	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-chloroethyl) ether	111-44-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	5,352	No	No
200-W-54	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Bromodichloromethane	75-27-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromoform	75-25-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromomethane	74-83-9	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbazole	86-74-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbon disulfide	75-15-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Carbon tetrachloride	56-23-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	182,772	No	No
200-W-54	Carbon-14	14762-75-5	pCi/g	10/19/2001	10/19/2001	1	0	0	3.9	3.9	60	No	No
200-W-54	Chlorobenzene	108-90-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	222,768	No	No
200-W-54	Chloroethane	75-00-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	172,032	No	No
200-W-54	Chloromethane	74-87-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chrysene	218-01-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	5,094	No	No
200-W-54	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Cobalt-60	10198-40-0	pCi/g	10/19/2001	10/19/2001	1	0	0	0.044	0.044	805	No	No
200-W-54	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	1	0	0	450	450	2.07E+07	No	No
200-W-54	Dibenz(a,h)anthracene	53-70-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4,858	No	No
200-W-54	Dibenzofuran	132-64-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
200-W-54	Dibromochloromethane	124-48-1	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dimethyl phthalate	131-11-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-octylphthalate	117-84-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Ethylbenzene	100-41-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	384,000	No	No
200-W-54	Europium-152	14683-23-9	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	1,740	No	No
200-W-54	Europium-154	15585-10-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.14	0.14	1,610	No	No
200-W-54	Europium-155	14391-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.11	0.11	33,400	No	No
200-W-54	Fluoranthene	206-44-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	420,677	No	No
200-W-54	Fluorene	86-73-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	156,714	No	No
200-W-54	Hexachlorobenzene	118-74-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorobutadiene	87-68-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorocyclopentadiene	77-47-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachloroethane	67-72-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4,003	No	No
200-W-54	Isophorone	78-59-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Naphthalene	91-20-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	36,203	No	No
200-W-54	Neptunium-237	13994-20-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.060	0.060	8,170	No	No
200-W-54	Nickel-63	13981-37-8	pCi/g	10/19/2001	10/19/2001	1	0	0	2.1	2.1	--	No	No
200-W-54	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	1	0	0	1,290	1,290	--	No	No
200-W-54	Nitrobenzene	98-95-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodiphenylamine	86-30-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Pentachlorophenol	87-86-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Phenanthrene	85-01-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	6.73E+06	No	No
200-W-54	Phenol	108-95-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	526,112	No	No
200-W-54	Plutonium-238	13981-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	161,000	No	No
200-W-54	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	175,000	No	No
200-W-54	Pyrene	129-00-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	360,006	No	No
200-W-54	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	4.85E+06	No	No
200-W-54	Strontium-90	10098-97-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.33	0.33	519	No	No
200-W-54	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	1	0	0	36,000	36,000	--	No	No
200-W-54	Technetium-99	14133-76-7	pCi/g	10/19/2001	10/19/2001	1	0	0	0.41	0.41	12,100	No	No
200-W-54	Tetrachloroethene	127-18-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	15,950	No	No
200-W-54	Toluene	108-88-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	594,366	No	No
200-W-54	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	3.01E+08	No	No
200-W-54	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	10/19/2001	1	0	0	2,000	2,000	--	No	No
200-W-54	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	3.01E+08	No	No
200-W-54	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Trichloroethene	79-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	8,013	No	No
200-W-54	Tritium	10028-17-8	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	2,290	No	No
200-W-54	Uranium-235	15117-96-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.18	0.18	8,130	No	No
200-W-54	Vinyl chloride	75-01-4	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Xylenes (total)	1330-20-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	481,000	No	No
207-A-South	1,1,1-Trichloroethane	71-55-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.14E+07	No	No
207-A-South	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	102,181	No	No
207-A-South	1,1,2-Trichloroethane	79-00-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.15E+07	No	No
207-A-South	1,1-Dichloroethane	75-34-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	573,947	No	No
207-A-South	1,1-Dichloroethene	75-35-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	343,832	No	No
207-A-South	1,2,4-Trichlorobenzene	120-82-1	ug/kg	9/10/2003	9/10/2003	3	0	0	300	300	--	No	No
207-A-South	1,2-Dichlorobenzene	95-50-1	ug/kg	9/10/2003	9/10/2003	3	0	0	370	370	294,000	No	No
207-A-South	1,2-Dichloroethane	107-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	585,789	No	No
207-A-South	1,2-Dichloroethene (Total)	540-59-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2-Dichloropropane	78-87-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,3-Dichlorobenzene	541-73-1	ug/kg	9/10/2003	9/10/2003	3	0	0	330	330	314,000	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
207-A-South	1,4-Dichlorobenzene	106-46-7	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	1-Butanol	71-36-3	ug/kg	9/10/2003	9/10/2003	3	0	0	41	41	2.91E+06	No	No
207-A-South	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	2,4,5-Trichlorophenol	95-95-4	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	2,4,6-Trichlorophenol	88-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	2,4-Dichlorophenol	120-83-2	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	2,4-Dimethylphenol	105-67-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-Dinitrophenol	51-28-5	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	2,4-Dinitrotoluene	121-14-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	13,461	No	No
207-A-South	2,6-Dinitrotoluene	606-20-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.60E+08	No	No
207-A-South	2-Butoxyethanol	111-76-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	2-Chloronaphthalene	91-58-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	3	0	0	150	150	--	No	No
207-A-South	2-Hexanone	591-78-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	243,595	No	No
207-A-South	2-Methylnaphthalene	91-57-6	ug/kg	9/10/2003	9/10/2003	3	0	0	180	190	5,465	No	No
207-A-South	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	9/10/2003	11/12/2015	27	0	0	34	113	1.00E+07	No	No
207-A-South	2-Nitroaniline	88-74-4	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Nitrophenol	88-75-5	ug/kg	9/10/2003	9/10/2003	3	0	0	180	180	--	No	No
207-A-South	2-Pentanone	107-87-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	3,3'-Dichlorobenzidine	91-94-1	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	9/10/2003	11/12/2015	27	0	0	69	120	1.01E+07	No	No
207-A-South	3-Nitroaniline	99-09-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	4-Bromophenylphenyl ether	101-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloroaniline	106-47-8	ug/kg	9/10/2003	9/10/2003	3	0	0	95	96	--	No	No
207-A-South	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Methyl-2-pentanone	108-10-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	4-Nitroaniline	100-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	4-Nitrophenol	100-02-7	ug/kg	9/10/2003	9/10/2003	3	0	0	660	670	--	No	No
207-A-South	Acenaphthene	83-32-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1.40E+06	No	No
207-A-South	Acenaphthylene	208-96-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	91,393	No	No
207-A-South	Acetone	67-64-1	ug/kg	9/10/2003	11/12/2015	27	0	0	2.0	4.0	--	No	No
207-A-South	Aldrin	309-00-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	2,000	No	No
207-A-South	Alpha-BHC	319-84-6	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Alpha-Chlordane	5103-71-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	3	0	0	258	258	--	No	No
207-A-South	Anthracene	120-12-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	4.78E+06	No	No
207-A-South	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	4,930	658	Yes	Yes
207-A-South	Aroclor-1016	12674-11-2	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	2,752	No	No
207-A-South	Aroclor-1221	11104-28-2	ug/kg	9/10/2003	9/10/2003	3	0	0	99	100	250	No	No
207-A-South	Aroclor-1232	11141-16-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	240	No	No
207-A-South	Aroclor-1242	53469-21-9	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	304	No	No
207-A-South	Aroclor-1248	12672-29-6	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	60	No	No
207-A-South	Aroclor-1254	11097-69-1	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	301	No	No
207-A-South	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	302	No	No
207-A-South	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	70,000	No	No
207-A-South	Benzene	71-43-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	8,023	No	No
207-A-South	Benzo(a)anthracene	56-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	7,259	No	No
207-A-South	Benzo(a)pyrene	50-32-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	8,081	No	No
207-A-South	Benzo(b)fluoranthene	205-99-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	4,084	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
207-A-South	Benzo(ghi)perylene	191-24-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3,467	No	No
207-A-South	Benzo(k)fluoranthene	207-08-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	4,559	No	No
207-A-South	Benzyl alcohol	100-51-6	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	17,961	No	No
207-A-South	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	1,700	No	No
207-A-South	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	9/10/2003	9/10/2003	3	0	0	260	260	--	No	No
207-A-South	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	9/10/2003	9/10/2003	3	0	0	120	120	--	No	No
207-A-South	Bis(2-chloroethyl) ether	111-44-4	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	3	0	0	570	580	5,352	No	No
207-A-South	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	3	0	0	4,970	5,000	--	No	No
207-A-South	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	3	0	0	5,070	5,100	12,000	No	No
207-A-South	Bromodichloromethane	75-27-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromoform	75-25-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromomethane	74-83-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	1,470	No	No
207-A-South	Carbazole	86-74-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	Carbon disulfide	75-15-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Carbon tetrachloride	56-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	182,772	No	No
207-A-South	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	3.8	60	No	No
207-A-South	Chlorobenzene	108-90-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	222,768	No	No
207-A-South	Chloroethane	75-00-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	172,032	No	No
207-A-South	Chloromethane	74-87-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	74,700	No	No
207-A-South	Chrysene	218-01-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	5,094	No	No
207-A-South	cis-1,3-Dichloropropene	10061-01-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	3	0	0	200	200	2.07E+07	No	No
207-A-South	Dalapon	75-99-0	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Delta-BHC	319-86-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Dibenz(a,h)anthracene	53-70-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	4,858	No	No
207-A-South	Dibenzofuran	132-64-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dibromochloromethane	124-48-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Dicamba	1918-00-9	ug/kg	9/3/2003	9/4/2003	5	0	0	70	75	--	No	No
207-A-South	Dichloroprop	120-36-5	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Dieldrin	60-57-1	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	12	No	No
207-A-South	Diethyl ether	60-29-7	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Dimethyl phthalate	131-11-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	3	0	0	89	89	--	No	No
207-A-South	Di-n-octylphthalate	117-84-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Endosulfan I	959-98-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	14	No	No
207-A-South	Endosulfan II	33213-65-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	710	No	No
207-A-South	Endosulfan sulfate	1031-07-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	0.60	Yes	Yes
207-A-South	Endrin aldehyde	7421-93-4	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	140	No	No
207-A-South	Endrin ketone	53494-70-5	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin	72-20-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Ethylbenzene	100-41-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	384,000	No	No
207-A-South	Ethylene glycol	107-21-1	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Fluoranthene	206-44-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	420,677	No	No
207-A-South	Fluorene	86-73-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	156,714	No	No
207-A-South	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	3	0	0	350	350	8.22E+06	No	No
207-A-South	Gamma-BHC (Lindane)	58-89-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor epoxide	1024-57-3	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor	76-44-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Hexachlorobenzene	118-74-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Hexachlorobutadiene	87-68-3	ug/kg	9/10/2003	9/10/2003	3	0	0	370	380	--	No	No
207-A-South	Hexachlorocyclopentadiene	77-47-4	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
207-A-South	Hexachloroethane	67-72-1	ug/kg	9/10/2003	9/10/2003	3	0	0	480	480	--	No	No
207-A-South	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/10/2003	12	0	0	410	450	287,662	No	No
207-A-South	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	4,003	No	No
207-A-South	Iodine-129	15046-84-1	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	12	--	No	No
207-A-South	Isophorone	78-59-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	3	0	0	11,700	11,800	151,052	No	No
207-A-South	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	--	No	No
207-A-South	Methanol	67-56-1	ug/kg	9/10/2003	9/10/2003	3	0	0	1,000	1,000	--	No	No
207-A-South	Methoxychlor	72-43-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	220	No	No
207-A-South	Methylene chloride	75-09-2	ug/kg	9/10/2003	11/12/2015	27	0	0	1.3	6.7	67,334	No	No
207-A-South	Naphthalene	91-20-3	ug/kg	9/10/2003	9/10/2003	3	0	0	290	290	36,203	No	No
207-A-South	n-Butylbenzene	104-51-8	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	485,000	No	No
207-A-South	Neptunium-237	13994-20-2	pCi/g	9/3/2003	9/10/2003	12	0	0	0.017	0.29	8,170	No	No
207-A-South	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	6,500	19,100	No	No
207-A-South	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/10/2003	12	0	0	2.3	2.8	--	No	No
207-A-South	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	3	0	0	1,480	1,480	--	No	No
207-A-South	Nitrobenzene	98-95-3	ug/kg	9/10/2003	9/10/2003	3	0	0	270	270	--	No	No
207-A-South	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	n-Nitrosodiphenylamine	86-30-6	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Oil and grease	OIL/GREASE	ug/kg	9/3/2003	9/10/2003	12	0	0	680,000	748,000	--	No	No
207-A-South	Pentachlorophenol	87-86-5	ug/kg	9/10/2003	9/10/2003	3	0	0	310	310	--	No	No
207-A-South	Phenanthrene	85-01-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	6.73E+06	No	No
207-A-South	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	526,112	No	No
207-A-South	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	3	0	0	1,990	1,990	--	No	No
207-A-South	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	360,006	No	No
207-A-South	Ruthenium-103	13968-53-1	pCi/g	9/10/2003	9/10/2003	3	0	0	0.0090	0.015	--	No	No
207-A-South	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	960	Yes	Yes
207-A-South	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/10/2003	12	0	0	0.44	0.61	12,100	No	No
207-A-South	Tetrachloroethene	127-18-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	15,950	No	No
207-A-South	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	3	0	0	0.090	0.20	--	No	No
207-A-South	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	594,366	No	No
207-A-South	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	3.01E+08	No	No
207-A-South	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	3.01E+08	No	No
207-A-South	Toxaphene	8001-35-2	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	trans-1,3-Dichloropropene	10061-02-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	trans-Chlordane	5103-74-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Trichloroethene	79-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	8,013	No	No
207-A-South	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	6,800	No	No
207-A-South	Vinyl chloride	75-01-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Xylenes (total)	1330-20-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	481,000	No	No
207-T	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.14E+07	No	No
207-T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	102,181	No	No
207-T	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.15E+07	No	No
207-T	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	573,947	No	No
207-T	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	343,832	No	No
207-T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	294,000	No	No
207-T	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	585,789	No	No
207-T	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	314,000	No	No
207-T	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
207-T	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	13,461	No	No
207-T	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Butanone	78-93-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	1.60E+08	No	No
207-T	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Hexanone	591-78-6	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	243,595	No	No
207-T	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	5,465	No	No
207-T	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1.00E+07	No	No
207-T	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1.01E+07	No	No
207-T	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Acenaphthene	83-32-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1.40E+06	No	No
207-T	Acenaphthylene	208-96-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	91,393	No	No
207-T	Americium-241	14596-10-2	pCi/g	8/7/2000	11/30/2000	6	0	0	0.050	0.21	48,400	No	No
207-T	Anthracene	120-12-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4.78E+06	No	No
207-T	Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0	0.028	0.034	--	No	No
207-T	Benzene	71-43-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	8,023	No	No
207-T	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	7,259	No	No
207-T	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	8,081	No	No
207-T	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4,084	No	No
207-T	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3,467	No	No
207-T	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4,559	No	No
207-T	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromoform	75-25-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromomethane	74-83-9	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Cadmium	7440-43-9	ug/kg	8/7/2000	11/30/2000	3	0	0	30	30	1,470	No	No
207-T	Carbazole	86-74-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Carbon disulfide	75-15-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	182,772	No	No
207-T	Chlorobenzene	108-90-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	222,768	No	No
207-T	Chloroethane	75-00-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chloroform	67-66-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	172,032	No	No
207-T	Chloromethane	74-87-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chrysene	218-01-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	5,094	No	No
207-T	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Cyanide	57-12-5	ug/kg	8/7/2000	11/30/2000	3	0	0	490	540	2.07E+07	No	No
207-T	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4,858	No	No
207-T	Dibenzofuran	132-64-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Diethylphthalate	84-66-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
207-T	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Ethylbenzene	100-41-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	384,000	No	No
207-T	Fluoranthene	206-44-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	420,677	No	No
207-T	Fluorene	86-73-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	156,714	No	No
207-T	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachloroethane	67-72-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4,003	No	No
207-T	Iodine-129	15046-84-1	pCi/g	8/7/2000	11/30/2000	6	0	0	1.2	3.8	--	No	No
207-T	Isophorone	78-59-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Mercury	7439-97-6	ug/kg	8/7/2000	11/30/2000	3	0	0	20	20	--	No	No
207-T	Naphthalene	91-20-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	36,203	No	No
207-T	Nitrobenzene	98-95-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Phenanthrene	85-01-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	6.73E+06	No	No
207-T	Pyrene	129-00-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	360,006	No	No
207-T	Selenium	7782-49-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	440	960	No	No
207-T	Silver	7440-22-4	ug/kg	8/7/2000	11/30/2000	3	0	0	100	110	34,555	No	No
207-T	Styrene	100-42-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Sulfide	18496-25-8	ug/kg	8/7/2000	11/30/2000	3	0	0	37,700	40,300	--	No	No
207-T	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	15,950	No	No
207-T	Toluene	108-88-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	594,366	No	No
207-T	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Trichloroethene	79-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	8,013	No	No
207-T	Vinyl chloride	75-01-4	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	481,000	No	No
216-A-34	1,1-Dichloroethene	75-35-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	343,832	No	No
216-A-34	1,2,4-Trichlorobenzene	120-82-1	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	--	No	No
216-A-34	1,2-Dichlorobenzene	95-50-1	ug/kg	4/4/2003	4/4/2003	1	0	0	370	370	294,000	No	No
216-A-34	1,3-Dichlorobenzene	541-73-1	ug/kg	4/4/2003	4/4/2003	1	0	0	330	330	314,000	No	No
216-A-34	1,4-Dichlorobenzene	106-46-7	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	1-Butanol	71-36-3	ug/kg	4/4/2003	4/4/2003	1	0	0	20	20	2.91E+06	No	No
216-A-34	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	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	0	17	17	--	No	No
216-A-34	2,4,5-Trichlorophenol	95-95-4	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4,6-Trichlorophenol	88-06-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	4/4/2003	1	0	0	34	34	--	No	No
216-A-34	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	2,4-Dichlorophenol	120-83-2	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2,4-Dimethylphenol	105-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-Dinitrophenol	51-28-5	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4-Dinitrotoluene	121-14-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	13,461	No	No
216-A-34	2,6-Dinitrotoluene	606-20-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	2-Chloronaphthalene	91-58-7	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	0	150	150	--	No	No
216-A-34	2-Methylnaphthalene	91-57-6	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	5,465	No	No
216-A-34	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1.00E+07	No	No
216-A-34	2-Nitroaniline	88-74-4	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitrophenol	88-75-5	ug/kg	4/4/2003	4/4/2003	1	0	0	180	180	--	No	No
216-A-34	3,3'-Dichlorobenzidine	91-94-1	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	3-Nitroaniline	99-09-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
216-A-34	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	4-Bromophenylphenyl ether	101-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloroaniline	106-47-8	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	--	No	No
216-A-34	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Nitroaniline	100-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	4-Nitrophenol	100-02-7	ug/kg	4/4/2003	4/4/2003	1	0	0	670	670	--	No	No
216-A-34	Acenaphthene	83-32-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1.40E+06	No	No
216-A-34	Acenaphthylene	208-96-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	91,393	No	No
216-A-34	Aldrin	309-00-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	2,000	No	No
216-A-34	Alpha-BHC	319-84-6	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Anthracene	120-12-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	4.78E+06	No	No
216-A-34	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	0	239	239	658	No	No
216-A-34	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0	0.036	0.036	4,580	No	No
216-A-34	Benzene	71-43-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	8,023	No	No
216-A-34	Benzo(a)anthracene	56-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	7,259	No	No
216-A-34	Benzo(a)pyrene	50-32-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	8,081	No	No
216-A-34	Benzo(b)fluoranthene	205-99-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	4,084	No	No
216-A-34	Benzo(ghi)perylene	191-24-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3,467	No	No
216-A-34	Benzo(k)fluoranthene	207-08-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	4,559	No	No
216-A-34	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	1,700	No	No
216-A-34	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	4/4/2003	4/4/2003	1	0	0	260	260	--	No	No
216-A-34	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	Bis(2-chloroethyl) ether	111-44-4	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	0	6,770	6,770	--	No	No
216-A-34	Bromide	24959-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	900	900	--	No	No
216-A-34	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Carbazole	86-74-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	0	1.9	1.9	60	No	No
216-A-34	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.017	0.017	1,180	No	No
216-A-34	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.014	0.014	2,630	No	No
216-A-34	Chlorobenzene	108-90-7	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	222,768	No	No
216-A-34	Chrysene	218-01-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	5,094	No	No
216-A-34	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0	0.012	0.012	805	No	No
216-A-34	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	2.07E+07	No	No
216-A-34	Dalapon	75-99-0	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Delta-BHC	319-86-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Dibenz(a,h)anthracene	53-70-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	4,858	No	No
216-A-34	Dibenzofuran	132-64-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dicamba	1918-00-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dichloroprop	120-36-5	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Dieldrin	60-57-1	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	12	No	No
216-A-34	Diethyl ether	60-29-7	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Diethylphthalate	84-66-2	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dimethyl phthalate	131-11-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	89	89	--	No	No
216-A-34	Di-n-octylphthalate	117-84-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Endosulfan I	959-98-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	14	No	No
216-A-34	Endosulfan II	33213-65-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	710	No	No
216-A-34	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	0.60	Yes	Yes
216-A-34	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	140	No	No
216-A-34	Endrin ketone	53494-70-5	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin	72-20-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Ethylene glycol	107-21-1	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.040	0.040	1,740	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
216-A-34	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.038	0.038	1,610	No	No
216-A-34	Fluoranthene	206-44-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	420,677	No	No
216-A-34	Fluorene	86-73-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	156,714	No	No
216-A-34	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor	76-44-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Hexachlorobenzene	118-74-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Hexachlorobutadiene	87-68-3	ug/kg	4/4/2003	4/4/2003	1	0	0	380	380	--	No	No
216-A-34	Hexachlorocyclopentadiene	77-47-4	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	Hexachloroethane	67-72-1	ug/kg	4/4/2003	4/4/2003	1	0	0	480	480	--	No	No
216-A-34	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	0	420	420	287,662	No	No
216-A-34	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	4,003	No	No
216-A-34	Iodine-129	15046-84-1	pCi/g	4/4/2003	4/4/2003	1	0	0	2.4	2.4	--	No	No
216-A-34	Isophorone	78-59-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	0	48	48	--	No	No
216-A-34	Methanol	67-56-1	ug/kg	4/4/2003	4/4/2003	1	0	0	1,000	1,000	--	No	No
216-A-34	Methoxychlor	72-43-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	220	No	No
216-A-34	Molybdenum	7439-98-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	570	Yes	Yes
216-A-34	Naphthalene	91-20-3	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	36,203	No	No
216-A-34	Neptunium-237	13994-20-2	pCi/g	4/4/2003	4/4/2003	1	0	0	0.092	0.092	8,170	No	No
216-A-34	Nitrite	14797-65-0	ug/kg	4/4/2003	4/4/2003	1	0	0	591	591	--	No	No
216-A-34	Nitrobenzene	98-95-3	ug/kg	4/4/2003	4/4/2003	1	0	0	270	270	--	No	No
216-A-34	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	n-Nitrosodiphenylamine	86-30-6	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	4/4/2003	1	0	0	694,000	694,000	--	No	No
216-A-34	Pentachlorophenol	87-86-5	ug/kg	4/4/2003	4/4/2003	1	0	0	310	310	--	No	No
216-A-34	Phenanthrene	85-01-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	6.73E+06	No	No
216-A-34	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	526,112	No	No
216-A-34	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.28	0.28	161,000	No	No
216-A-34	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	360,006	No	No
216-A-34	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.013	0.013	--	No	No
216-A-34	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.12	0.12	--	No	No
216-A-34	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	960	Yes	Yes
216-A-34	Silver	7440-22-4	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	34,555	No	No
216-A-34	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0	0.58	0.58	12,100	No	No
216-A-34	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0	0.20	0.20	--	No	No
216-A-34	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	594,366	No	No
216-A-34	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	3.01E+08	No	No
216-A-34	Toxaphene	8001-35-2	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Trichloroethene	79-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	8,013	No	No
216-A-34	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0	0.17	0.17	2,290	No	No
UPR-200-E-64	Cadmium	7440-43-9	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	1,470	No	No
UPR-200-E-64	Cobalt-60	10198-40-0	pCi/g	2/11/2008	2/12/2008	2	0	0	0.013	0.064	805	No	No
UPR-200-E-64	Europium-152	14683-23-9	pCi/g	2/11/2008	2/12/2008	2	0	0	0.036	0.98	1,740	No	No
UPR-200-E-64	Europium-155	14391-16-3	pCi/g	2/11/2008	2/12/2008	2	0	0	0.053	1.1	33,400	No	No
UPR-200-E-64	Fluoride	16984-48-8	ug/kg	2/11/2008	2/12/2008	2	0	0	294	300	8.22E+06	No	No
UPR-200-E-64	Neptunium-237	13994-20-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.038	0.043	8,170	No	No
UPR-200-E-64	Nickel-63	13981-37-8	pCi/g	2/11/2008	2/12/2008	2	0	0	3.4	6.3	--	No	No
UPR-200-E-64	Nitrite	14797-65-0	ug/kg	2/11/2008	2/12/2008	2	0	0	1,610	1,640	--	No	No
UPR-200-E-64	Silver	7440-22-4	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	34,555	No	No
UPR-200-E-64	Strontium-90	10098-97-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.48	12	519	No	No
UPR-200-E-64	Technetium-99	14133-76-7	pCi/g	2/11/2008	2/12/2008	2	0	0	0.39	0.74	12,100	No	No
UPR-200-E-64	Tritium	10028-17-8	pCi/g	2/11/2008	2/12/2008	2	0	0	4.0	4.2	2,290	No	No
UPR-200-E-89	1,1,1-Trichloroethane	71-55-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.14E+07	No	No
UPR-200-E-89	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	102,181	No	No
UPR-200-E-89	1,1,2-Trichloroethane	79-00-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.15E+07	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
UPR-200-E-89	1,1-Dichloroethane	75-34-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	573,947	No	No
UPR-200-E-89	1,1-Dichloroethene	75-35-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	343,832	No	No
UPR-200-E-89	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,2,4-Trichlorobenzene	120-82-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,2-Dichlorobenzene	95-50-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	294,000	No	No
UPR-200-E-89	1,2-Dichloroethane	107-06-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	585,789	No	No
UPR-200-E-89	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2-Dichloropropane	78-87-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,3-Dichlorobenzene	541-73-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	314,000	No	No
UPR-200-E-89	1,4-Dichlorobenzene	106-46-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10	11	--	No	No
UPR-200-E-89	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4,5-Trichlorophenol	95-95-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4,6-Trichlorophenol	88-06-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dichlorophenol	120-83-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dimethylphenol	105-67-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrophenol	51-28-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrotoluene	121-14-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	13,461	No	No
UPR-200-E-89	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,6-Dinitrotoluene	606-20-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Butanone	78-93-3	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	1.60E+08	No	No
UPR-200-E-89	2-Chloronaphthalene	91-58-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Hexanone	591-78-6	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	243,595	No	No
UPR-200-E-89	2-Methylnaphthalene	91-57-6	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	5,465	No	No
UPR-200-E-89	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	1.00E+07	No	No
UPR-200-E-89	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Nitroaniline	88-74-4	ug/kg	7/16/2015	10/22/2015	9	0	0	114	116	--	No	No
UPR-200-E-89	2-Nitrophenol	88-75-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dichlorobenzidine	91-94-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	1.01E+07	No	No
UPR-200-E-89	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Nitroaniline	99-09-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	4-Bromophenylphenyl ether	101-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	10/22/2015	9	0	0	138	141	--	No	No
UPR-200-E-89	4-Chloroaniline	106-47-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Methyl-2-pentanone	108-10-1	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	4-Nitroaniline	100-01-6	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitrophenol	100-02-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Acenaphthene	83-32-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	1.40E+06	No	No
UPR-200-E-89	Acenaphthylene	208-96-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	91,393	No	No
UPR-200-E-89	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122	--	No	No
UPR-200-E-89	Americium-241	14596-10-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.16	0.47	48,400	No	No
UPR-200-E-89	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Anthracene	120-12-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	4.78E+06	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
UPR-200-E-89	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Aroclor-1016	12674-11-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	2,752	No	No
UPR-200-E-89	Aroclor-1221	11104-28-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	250	No	No
UPR-200-E-89	Aroclor-1232	11141-16-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	240	No	No
UPR-200-E-89	Aroclor-1242	53469-21-9	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	304	No	No
UPR-200-E-89	Aroclor-1248	12672-29-6	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	60	No	No
UPR-200-E-89	Aroclor-1254	11097-69-1	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	301	No	No
UPR-200-E-89	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	302	No	No
UPR-200-E-89	Aroclor-1262	37324-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Aroclor-1268	11100-14-4	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Benzene	71-43-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	8,023	No	No
UPR-200-E-89	Benzo(a)anthracene	56-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	7,259	No	No
UPR-200-E-89	Benzo(a)pyrene	50-32-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	8,081	No	No
UPR-200-E-89	Benzo(b)fluoranthene	205-99-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	4,084	No	No
UPR-200-E-89	Benzo(ghi)perylene	191-24-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3,467	No	No
UPR-200-E-89	Benzo(k)fluoranthene	207-08-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	4,559	No	No
UPR-200-E-89	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175	--	No	No
UPR-200-E-89	Benzyl alcohol	100-51-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloroethyl) ether	111-44-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bismuth	7440-69-9	ug/kg	7/16/2015	7/21/2015	2	0	0	91	103	--	No	No
UPR-200-E-89	Bromodichloromethane	75-27-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromoform	75-25-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromomethane	74-83-9	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Carbazole	86-74-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Carbon disulfide	75-15-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	--	No	No
UPR-200-E-89	Carbon tetrachloride	56-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	182,772	No	No
UPR-200-E-89	Carbon-14	14762-75-5	pCi/g	7/16/2015	10/22/2015	8	0	0	2.5	4.4	60	No	No
UPR-200-E-89	Chlorobenzene	108-90-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	222,768	No	No
UPR-200-E-89	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Chloroethane	75-00-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chloroform	67-66-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	172,032	No	No
UPR-200-E-89	Chloromethane	74-87-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chrysene	218-01-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	5,094	No	No
UPR-200-E-89	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Cobalt-60	10198-40-0	pCi/g	4/29/2008	10/22/2015	3	0	0	0.042	0.16	805	No	No
UPR-200-E-89	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dibenz(a,h)anthracene	53-70-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	4,858	No	No
UPR-200-E-89	Dibenzofuran	132-64-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dibromochloromethane	124-48-1	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Diethylphthalate	84-66-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dimethyl phthalate	131-11-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Di-n-octylphthalate	117-84-0	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethylbenzene	100-41-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	384,000	No	No
UPR-200-E-89	Europium-152	14683-23-9	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.72	1,740	No	No
UPR-200-E-89	Europium-154	15585-10-1	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.48	1,610	No	No
UPR-200-E-89	Europium-155	14391-16-3	pCi/g	4/29/2008	10/22/2015	3	0	0	0.10	0.86	33,400	No	No
UPR-200-E-89	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Fluoranthene	206-44-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	420,677	No	No
UPR-200-E-89	Fluorene	86-73-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	156,714	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
UPR-200-E-89	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	0	6.4	6.4	--	No	No
UPR-200-E-89	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	0	15	15	--	No	No
UPR-200-E-89	Hexachlorobenzene	118-74-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorobutadiene	87-68-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorocyclopentadiene	77-47-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachloroethane	67-72-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4,000	4,050	--	No	No
UPR-200-E-89	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	4,003	No	No
UPR-200-E-89	Iodine-129	15046-84-1	pCi/g	10/1/2015	10/22/2015	3	0	0	1.2	1.8	--	No	No
UPR-200-E-89	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	69	70	--	No	No
UPR-200-E-89	Isophorone	78-59-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Mercury	7439-97-6	ug/kg	7/16/2015	10/22/2015	4	0	0	3.8	4.0	--	No	No
UPR-200-E-89	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methylene chloride	75-09-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	67,334	No	No
UPR-200-E-89	Naphthalene	91-20-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	36,203	No	No
UPR-200-E-89	Neptunium-237	13994-20-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.69	8,170	No	No
UPR-200-E-89	Nickel-63	13981-37-8	pCi/g	7/16/2015	10/22/2015	9	0	0	12	18	--	No	No
UPR-200-E-89	Nitrite	14797-65-0	ug/kg	4/29/2008	10/22/2015	10	0	0	1,010	1,140	--	No	No
UPR-200-E-89	Nitrobenzene	98-95-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomorpholine	59-89-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorophenol	87-86-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Phenanthrene	85-01-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	6.73E+06	No	No
UPR-200-E-89	Phenol	108-95-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	526,112	No	No
UPR-200-E-89	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Plutonium-238	13981-16-3	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.62	161,000	No	No
UPR-200-E-89	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	10/22/2015	9	0	0	0.39	0.75	175,000	No	No
UPR-200-E-89	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3,440	3,490	--	No	No
UPR-200-E-89	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pyrene	129-00-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	360,006	No	No
UPR-200-E-89	Pyridine	110-86-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Styrene	100-42-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Technetium-99	14133-76-7	pCi/g	7/16/2015	10/22/2015	6	0	0	9.5	12	12,100	No	No
UPR-200-E-89	Tetrachloroethene	127-18-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	15,950	No	No
UPR-200-E-89	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
UPR-200-E-89	Total cresols	1319-77-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	0	200,000	200,000	--	No	No
UPR-200-E-89	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	7/16/2015	10/22/2015	8	0	0	1,150	1,170	3.01E+08	No	No
UPR-200-E-89	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Trichloroethene	79-01-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	8,013	No	No
UPR-200-E-89	Tritium	10028-17-8	pCi/g	7/16/2015	10/22/2015	9	0	0	14	28	2,290	No	No
UPR-200-E-89	Uranium-235	15117-96-1	pCi/g	7/16/2015	10/22/2015	9	0	0	0.19	0.88	8,130	No	No
UPR-200-E-89	Vinyl chloride	75-01-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Xylenes (total)	1330-20-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	481,000	No	No
UPR-200-W-99	1,1,1-Trichloroethane	71-55-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.14E+07	No	No
UPR-200-W-99	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	102,181	No	No
UPR-200-W-99	1,1,2-Trichloroethane	79-00-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.15E+07	No	No
UPR-200-W-99	1,1-Dichloroethane	75-34-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	573,947	No	No
UPR-200-W-99	1,1-Dichloroethene	75-35-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	343,832	No	No
UPR-200-W-99	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	--	No	No
UPR-200-W-99	1,2-Dichlorobenzene	95-50-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	294,000	No	No
UPR-200-W-99	1,2-Dichloroethane	107-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	585,789	No	No
UPR-200-W-99	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2-Dichloropropane	78-87-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,3-Dichlorobenzene	541-73-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	314,000	No	No
UPR-200-W-99	1,4-Dichlorobenzene	106-46-7	ug/kg	8/22/2000	5/12/2009	3	0	0	260	380	--	No	No
UPR-200-W-99	1-Butanol	71-36-3	ug/kg	10/28/2002	10/28/2002	1	0	0	26,000	26,000	2.91E+06	No	No
UPR-200-W-99	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dichlorophenol	120-83-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dimethylphenol	105-67-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dinitrophenol	51-28-5	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4-Dinitrotoluene	121-14-2	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	13,461	No	No
UPR-200-W-99	2,6-Dinitrotoluene	606-20-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Chloronaphthalene	91-58-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Hexanone	591-78-6	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	243,595	No	No
UPR-200-W-99	2-Methylnaphthalene	91-57-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	5,465	No	No
UPR-200-W-99	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1.00E+07	No	No
UPR-200-W-99	2-Nitroaniline	88-74-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2-Nitrophenol	88-75-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/22/2000	8/22/2000	1	0	0	340	340	1.01E+07	No	No
UPR-200-W-99	3-Nitroaniline	99-09-2	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chloroaniline	106-47-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Methyl-2-pentanone	108-10-1	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	4-Nitroaniline	100-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Nitrophenol	100-02-7	ug/kg	8/22/2000	5/12/2009	3	0	0	340	960	--	No	No
UPR-200-W-99	Acenaphthene	83-32-9	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	1.40E+06	No	No
UPR-200-W-99	Acenaphthylene	208-96-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	91,393	No	No
UPR-200-W-99	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	1	0	0	3,650	3,650	--	No	No
UPR-200-W-99	Anthracene	120-12-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	4.78E+06	No	No
UPR-200-W-99	Antimony	7440-36-0	ug/kg	10/28/2002	10/28/2002	1	0	0	190	190	658	No	No
UPR-200-W-99	Antimony-125	14234-35-6	pCi/g	10/28/2002	5/12/2009	2	0	0	0.030	0.22	4,580	No	No
UPR-200-W-99	Aroclor-1016	12674-11-2	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	2,752	No	No
UPR-200-W-99	Aroclor-1221	11104-28-2	ug/kg	10/28/2002	5/12/2009	2	0	0	20	77	250	No	No
UPR-200-W-99	Aroclor-1232	11141-16-5	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	240	No	No
UPR-200-W-99	Aroclor-1242	53469-21-9	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	304	No	No
UPR-200-W-99	Aroclor-1248	12672-29-6	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	60	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
UPR-200-W-99	Aroclor-1254	11097-69-1	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	301	No	No
UPR-200-W-99	Aroclor-1262	37324-23-5	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Aroclor-1268	11100-14-4	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Benzene	71-43-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	8,023	No	No
UPR-200-W-99	Benzo(a)anthracene	56-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	7,259	No	No
UPR-200-W-99	Benzo(a)pyrene	50-32-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	8,081	No	No
UPR-200-W-99	Benzo(b)fluoranthene	205-99-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	4,084	No	No
UPR-200-W-99	Benzo(ghi)perylene	191-24-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3,467	No	No
UPR-200-W-99	Benzo(k)fluoranthene	207-08-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	4,559	No	No
UPR-200-W-99	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bismuth	7440-69-9	ug/kg	10/28/2002	5/12/2009	2	0	0	670	2,300	--	No	No
UPR-200-W-99	Bromodichloromethane	75-27-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromoform	75-25-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromomethane	74-83-9	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbazole	86-74-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbon disulfide	75-15-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Carbon tetrachloride	56-23-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	182,772	No	No
UPR-200-W-99	Cesium-134	13967-70-9	pCi/g	10/28/2002	5/12/2009	2	0	0	0.014	0.12	1,180	No	No
UPR-200-W-99	Chlorobenzene	108-90-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	222,768	No	No
UPR-200-W-99	Chloroethane	75-00-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chloroform	67-66-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	172,032	No	No
UPR-200-W-99	Chloromethane	74-87-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chrysene	218-01-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	5,094	No	No
UPR-200-W-99	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Cobalt-60	10198-40-0	pCi/g	8/22/2000	5/12/2009	4	0	0	0.010	0.10	805	No	No
UPR-200-W-99	Cyanide	57-12-5	ug/kg	8/22/2000	5/12/2009	3	0	0	200	550	2.07E+07	No	No
UPR-200-W-99	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	4,858	No	No
UPR-200-W-99	Dibenzofuran	132-64-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dibromochloromethane	124-48-1	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Diethylphthalate	84-66-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dimethyl phthalate	131-11-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Di-n-octylphthalate	117-84-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Ethylbenzene	100-41-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	384,000	No	No
UPR-200-W-99	Europium-152	14683-23-9	pCi/g	8/22/2000	5/12/2009	4	0	0	0.033	0.23	1,740	No	No
UPR-200-W-99	Europium-154	15585-10-1	pCi/g	8/22/2000	5/12/2009	4	0	0	0.031	0.35	1,610	No	No
UPR-200-W-99	Europium-155	14391-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.046	0.19	33,400	No	No
UPR-200-W-99	Fluoranthene	206-44-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	420,677	No	No
UPR-200-W-99	Fluorene	86-73-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	156,714	No	No
UPR-200-W-99	Hexachlorobenzene	118-74-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorobutadiene	87-68-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachloroethane	67-72-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	4,003	No	No
UPR-200-W-99	Iodine-129	15046-84-1	pCi/g	8/22/2000	5/12/2009	3	0	0	1.3	1.7	--	No	No
UPR-200-W-99	Isophorone	78-59-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Mercury	7439-97-6	ug/kg	8/22/2000	5/12/2009	3	0	0	20	50	--	No	No
UPR-200-W-99	Naphthalene	91-20-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	36,203	No	No
UPR-200-W-99	Neptunium-237	13994-20-2	pCi/g	10/28/2002	5/12/2009	2	0	0	0.093	0.12	8,170	No	No
UPR-200-W-99	Nickel-63	13981-37-8	pCi/g	10/28/2002	5/12/2009	2	0	0	2.2	3.3	--	No	No
UPR-200-W-99	Nitrite	14797-65-0	ug/kg	10/28/2002	10/28/2002	1	0	0	1,440	1,440	--	No	No
UPR-200-W-99	Nitrobenzene	98-95-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Pentachlorophenol	87-86-5	ug/kg	8/22/2000	5/12/2009	3	0	0	410	960	--	No	No
UPR-200-W-99	Phenanthrene	85-01-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	6.73E+06	No	No

Table A-10. Comparison of Minimum and Maximum MDLs and MDAs to the Deer Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Deer Mouse PRG	Is Minimum MDL or MDA > Deer mouse PRG?	Is Maximum MDL or MDA > Deer mouse PRG?
UPR-200-W-99	Plutonium-238	13981-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.023	0.19	161,000	No	No
UPR-200-W-99	Pyridine	110-86-1	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Silver	7440-22-4	ug/kg	8/22/2000	5/12/2009	3	0	0	99	160	34,555	No	No
UPR-200-W-99	Styrene	100-42-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Sulfide	18496-25-8	ug/kg	8/22/2000	8/22/2000	1	0	0	20,600	20,600	--	No	No
UPR-200-W-99	Technetium-99	14133-76-7	pCi/g	8/22/2000	5/12/2009	4	0	0	0.38	0.61	12,100	No	No
UPR-200-W-99	Tetrachloroethene	127-18-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	15,950	No	No
UPR-200-W-99	Tin-126	15832-50-5	pCi/g	10/28/2002	10/28/2002	1	0	0	0.10	0.10	--	No	No
UPR-200-W-99	Toluene	108-88-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	594,366	No	No
UPR-200-W-99	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/28/2002	10/28/2002	1	0	0	33	33	--	No	No
UPR-200-W-99	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	5/12/2009	2	0	0	150	380	--	No	No
UPR-200-W-99	Trichloroethene	79-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	8,013	No	No
UPR-200-W-99	Tritium	10028-17-8	pCi/g	8/22/2000	5/12/2009	4	0	0	0.091	3.6	2,290	No	No
UPR-200-W-99	Vinyl chloride	75-01-4	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Xylenes (total)	1330-20-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	481,000	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
200-E-115	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	1,1,1-Trichloroethane	71-55-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	1.00E+07	No	No
200-E-115	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.25	89,431	No	No
200-E-115	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	--	No	No
200-E-115	1,1,2-Trichloroethane	79-00-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.19	1.00E+07	No	No
200-E-115	1,1-Dichloroethene	75-35-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.35	0.49	300,944	No	No
200-E-115	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/17/2010	8/29/2010	8	0	0	75	77	--	No	No
200-E-115	1,2-Dichlorobenzene	95-50-1	ug/kg	8/17/2010	8/29/2010	8	0	0	97	101	854,292	No	No
200-E-115	1,2-Dichloroethane	107-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.044	0.063	513,067	No	No
200-E-115	1-Butanol	71-36-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.5	12	2.63E+06	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.00E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	5.10E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,3,3',4,4',5,5',6-Heptachlorobiphenyl	74472-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	1.90E-04	2.70E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,3,5-Trichlorobiphenyl	55720-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.80E-04	--	No	No
200-E-115	2',3,5-Trichlorobiphenyl	37680-68-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	2,3,6-Trichlorobiphenyl	55702-45-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	8.30E-04	--	No	No
200-E-115	2,3',6-Trichlorobiphenyl	38444-76-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	7.10E-04	--	No	No
200-E-115	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.10E-04	0.0019	--	No	No
200-E-115	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.60E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/17/2010	8/29/2010	8	0	0	42	44	--	No	No
200-E-115	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	48	50	--	No	No
200-E-115	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.30E-04	0.0020	--	No	No
200-E-115	2,4-Dinitrotoluene	121-14-2	ug/kg	8/17/2010	8/29/2010	8	0	0	37	38	35,584	No	No
200-E-115	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	8.40E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	9.00E-04	0.0021	--	No	No
200-E-115	2-Butanone	78-93-3	ug/kg	8/17/2010	8/29/2010	8	0	0	1.6	2.3	1.77E+08	No	No
200-E-115	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	8/29/2010	8	0	0	64	67	--	No	No
200-E-115	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/17/2010	8/29/2010	8	0	0	92	94	--	No	No
200-E-115	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/17/2010	8/29/2010	8	0	0	55	58	9.29E+06	No	No
200-E-115	2-Nitrophenol	88-75-5	ug/kg	8/17/2010	8/29/2010	8	0	0	52	54	--	No	No
200-E-115	2-Nitropropane	79-46-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',4-Trichlorobiphenyl	37680-69-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,4,5-Trichlorobiphenyl	53555-66-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	6.00E-04	--	No	No
200-E-115	3,4',5-Trichlorobiphenyl	38444-88-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04	--	No	No
200-E-115	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	7.10E-04	0.0017	--	No	No
200-E-115	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/17/2010	8/29/2010	8	0	0	50	51	9.36E+06	No	No
200-E-115	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04	--	No	No
200-E-115	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.085	0.26	--	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
200-E-115	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.41	1.2	--	No	No
200-E-115	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.65	2.0	--	No	No
200-E-115	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	8.80E-04	0.0023	--	No	No
200-E-115	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	42	43	--	No	No
200-E-115	4-Methyl-2-pentanone	108-10-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.4	2.0	--	No	No
200-E-115	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.90E-04	--	No	No
200-E-115	Acenaphthene	83-32-9	ug/kg	8/17/2010	8/29/2010	8	0	0	17	18	1.21E+06	No	No
200-E-115	Acetone	67-64-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.8	2.6	--	No	No
200-E-115	Aldrin	309-00-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.32	0.98	1,965	No	No
200-E-115	Alpha-BHC	319-84-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.42	--	No	No
200-E-115	Americium-241	14596-10-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.42	0.61	41,100	No	No
200-E-115	Antimony-125	14234-35-6	pCi/g	8/17/2010	8/29/2010	8	0	0	0.71	1.2	4,580	No	No
200-E-115	Aroclor-1016	12674-11-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	2,467	No	No
200-E-115	Aroclor-1221	11104-28-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	271	No	No
200-E-115	Aroclor-1232	11141-16-5	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	271	No	No
200-E-115	Aroclor-1242	53469-21-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	274	No	No
200-E-115	Aroclor-1248	12672-29-6	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	60	No	No
200-E-115	Aroclor-1254	11097-69-1	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	271	No	No
200-E-115	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	271	No	No
200-E-115	Benzene	71-43-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.12	0.17	7,022	No	No
200-E-115	Benzo(a)anthracene	56-55-3	ug/kg	8/17/2010	8/29/2010	8	0	0	36	38	6,400	No	No
200-E-115	Benzo(a)pyrene	50-32-8	ug/kg	8/17/2010	8/29/2010	8	0	0	40	41	7,643	No	No
200-E-115	Benzo(b)fluoranthene	205-99-2	ug/kg	8/17/2010	8/29/2010	8	0	0	47	49	3,923	No	No
200-E-115	Benzo(k)fluoranthene	207-08-9	ug/kg	8/17/2010	8/29/2010	8	0	0	38	39	3,923	No	No
200-E-115	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.31	0.96	3,974	No	No
200-E-115	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/17/2010	8/29/2010	8	0	0	568	590	4,551	No	No
200-E-115	Bismuth	7440-69-9	ug/kg	8/18/2010	8/18/2010	1	0	0	8,310	8,310	--	No	No
200-E-115	Bromide	24959-67-9	ug/kg	8/17/2010	8/29/2010	8	0	0	567	580	--	No	No
200-E-115	Carbon disulfide	75-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.13	0.19	--	No	No
200-E-115	Carbon tetrachloride	56-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	159,958	No	No
200-E-115	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	8/29/2010	8	0	0	176	182	--	No	No
200-E-115	Cesium-137	10045-97-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.34	0.58	3,280	No	No
200-E-115	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12	20,656	No	No
200-E-115	Chlorobenzene	108-90-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.071	0.10	194,962	No	No
200-E-115	Chloroform	67-66-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.11	0.15	150,576	No	No
200-E-115	Chrysene	218-01-9	ug/kg	8/17/2010	8/29/2010	8	0	0	78	81	4,452	No	No
200-E-115	cis-1,2-Dichloroethylene	156-59-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.15	0.21	453,488	No	No
200-E-115	Cobalt-60	10198-40-0	pCi/g	8/17/2010	8/29/2010	8	0	0	0.28	0.44	806	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	Curium-242	15510-73-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-E-115	Curium-243/244	CM-243/244	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	494,000	No	No
200-E-115	Cyanide	57-12-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2,600	2,680	7.81E+07	No	No
200-E-115	Cyclohexanone	108-94-1	ug/kg	8/17/2010	8/29/2010	8	0	0	537	558	--	No	No
200-E-115	Delta-BHC	319-86-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.77	--	No	No
200-E-115	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	4,413	No	No
200-E-115	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	8/29/2010	8	0	0	870	920	--	No	No
200-E-115	Dieldrin	60-57-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.69	10	No	No
200-E-115	Diethyl ether	60-29-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.21	0.30	--	No	No
200-E-115	Di-n-octylphthalate	117-84-0	ug/kg	8/17/2010	8/29/2010	8	0	0	46	48	--	No	No
200-E-115	Endrin	72-20-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.43	--	No	No
200-E-115	Ethyl acetate	141-78-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
200-E-115	Ethylbenzene	100-41-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.088	0.13	1.36E+06	No	No
200-E-115	Ethylene glycol	107-21-1	ug/kg	8/17/2010	8/29/2010	8	0	0	13,000	14,000	--	No	No
200-E-115	Europium-152	14683-23-9	pCi/g	8/17/2010	8/29/2010	8	0	0	1.4	2.0	1,740	No	No
200-E-115	Europium-154	15585-10-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.89	1.5	1,610	No	No
200-E-115	Europium-155	14391-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.46	1.0	33,400	No	No
200-E-115	Fluoranthene	206-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	34	35	419,580	No	No
200-E-115	Gamma-BHC (Lindane)	58-89-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.18	0.54	--	No	No
200-E-115	Heptachlor epoxide	1024-57-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.45	1.4	--	No	No
200-E-115	Heptachlor	76-44-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.099	0.30	--	No	No
200-E-115	Hexachlorobutadiene	87-68-3	ug/kg	8/17/2010	8/29/2010	8	0	0	67	70	--	No	No
200-E-115	Hexachloroethane	67-72-1	ug/kg	8/17/2010	8/29/2010	8	0	0	108	112	--	No	No
200-E-115	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	3,567	No	No
200-E-115	Iodine-129	15046-84-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.14	0.22	--	No	No
200-E-115	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	443	460	--	No	No
200-E-115	Mercury	7439-97-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.2	9.8	--	No	No
200-E-115	Methylene chloride	75-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.053	0.075	58,943	No	No
200-E-115	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	630	680	--	No	No
200-E-115	Naphthalene	91-20-3	ug/kg	8/17/2010	8/29/2010	8	0	0	60	63	116,062	No	No
200-E-115	Nickel-63	13981-37-8	pCi/g	8/17/2010	8/29/2010	8	0	0	4.3	5.9	--	No	No
200-E-115	Nitrobenzene	98-95-3	ug/kg	8/17/2010	8/29/2010	8	0	0	62	65	--	No	No
200-E-115	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	8/29/2010	8	0	0	56	58	--	No	No
200-E-115	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	8/29/2010	8	0	0	184	191	--	No	No
200-E-115	o-Xylene	95-47-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	--	No	No
200-E-115	Plutonium-238	13981-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	161,000	No	No
200-E-115	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	176,000	No	No
200-E-115	Pyrene	129-00-0	ug/kg	8/17/2010	8/29/2010	8	0	0	61	63	436,372	No	No
200-E-115	Pyridine	110-86-1	ug/kg	8/17/2010	8/29/2010	8	0	0	63	65	--	No	No
200-E-115	Strontium-90	10098-97-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.18	0.57	411	No	No
200-E-115	Tetrachloroethene	127-18-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.090	0.13	13,958	No	No
200-E-115	Total cresols	1319-77-3	ug/kg	8/17/2010	8/29/2010	8	0	0	103	107	--	No	No
200-E-115	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	8/17/2010	8/29/2010	8	0	0	10	11	--	No	No
200-E-115	trans-1,2-Dichloroethylene	156-60-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.35	453,488	No	No
200-E-115	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.32	--	No	No
200-E-115	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	8/29/2010	8	0	0	104	108	--	No	No
200-E-115	Trichloroethene	79-01-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.100	0.14	7,014	No	No
200-E-115	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	--	No	No
200-E-115	Vinyl chloride	75-01-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	Xylenes (total)	1330-20-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.24	1.79E+06	No	No
200-W-54	1,1,1-Trichloroethane	71-55-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.00E+07	No	No
200-W-54	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	89,431	No	No
200-W-54	1,1,2-Trichloroethane	79-00-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.00E+07	No	No
200-W-54	1,1-Dichloroethane	75-34-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	502,380	No	No
200-W-54	1,1-Dichloroethene	75-35-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	300,944	No	No
200-W-54	1,2,4-Trichlorobenzene	120-82-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,2-Dichlorobenzene	95-50-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	854,292	No	No
200-W-54	1,2-Dichloroethane	107-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	513,067	No	No
200-W-54	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,2-Dichloropropane	78-87-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,3-Dichlorobenzene	541-73-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	853,992	No	No
200-W-54	1,4-Dichlorobenzene	106-46-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4,5-Trichlorophenol	95-95-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4,6-Trichlorophenol	88-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dichlorophenol	120-83-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dimethylphenol	105-67-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dinitrophenol	51-28-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4-Dinitrotoluene	121-14-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	35,584	No	No
200-W-54	2,6-Dinitrotoluene	606-20-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Butanone	78-93-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	1.77E+08	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
200-W-54	2-Chloronaphthalene	91-58-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Hexanone	591-78-6	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	236,579	No	No
200-W-54	2-Methylnaphthalene	91-57-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	500,357	No	No
200-W-54	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	9.29E+06	No	No
200-W-54	2-Nitroaniline	88-74-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2-Nitrophenol	88-75-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3,3'-Dichlorobenzidine	91-94-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	9.36E+06	No	No
200-W-54	3-Nitroaniline	99-09-2	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Bromophenylphenyl ether	101-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloroaniline	106-47-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Methyl-2-pentanone	108-10-1	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	4-Nitroaniline	100-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Nitrophenol	100-02-7	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Acenaphthene	83-32-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1.21E+06	No	No
200-W-54	Acenaphthylene	208-96-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	77,904	No	No
200-W-54	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.13	0.13	41,100	No	No
200-W-54	Anthracene	120-12-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4.21E+06	No	No
200-W-54	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	2,467	No	No
200-W-54	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/19/2001	1	0	0	69	69	271	No	No
200-W-54	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	271	No	No
200-W-54	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	274	No	No
200-W-54	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	60	No	No
200-W-54	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	271	No	No
200-W-54	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	271	No	No
200-W-54	Benzene	71-43-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	7,022	No	No
200-W-54	Benzo(a)anthracene	56-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	6,400	No	No
200-W-54	Benzo(a)pyrene	50-32-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	7,643	No	No
200-W-54	Benzo(b)fluoranthene	205-99-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3,923	No	No
200-W-54	Benzo(ghi)perylene	191-24-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3,470	No	No
200-W-54	Benzo(k)fluoranthene	207-08-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3,923	No	No
200-W-54	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-chloroethyl) ether	111-44-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4,551	No	No
200-W-54	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Bromodichloromethane	75-27-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromoform	75-25-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromomethane	74-83-9	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbazole	86-74-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbon disulfide	75-15-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Carbon tetrachloride	56-23-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	159,958	No	No
200-W-54	Carbon-14	14762-75-5	pCi/g	10/19/2001	10/19/2001	1	0	0	3.9	3.9	135	No	No
200-W-54	Chlorobenzene	108-90-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	194,962	No	No
200-W-54	Chloroethane	75-00-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	150,576	No	No
200-W-54	Chloromethane	74-87-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chrysene	218-01-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4,452	No	No
200-W-54	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Cobalt-60	10198-40-0	pCi/g	10/19/2001	10/19/2001	1	0	0	0.044	0.044	806	No	No
200-W-54	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	1	0	0	450	450	7.81E+07	No	No
200-W-54	Dibenz(a,h)anthracene	53-70-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4,413	No	No
200-W-54	Dibenzofuran	132-64-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
200-W-54	Dibromochloromethane	124-48-1	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dimethyl phthalate	131-11-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-octylphthalate	117-84-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Ethylbenzene	100-41-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.36E+06	No	No
200-W-54	Europium-152	14683-23-9	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	1,740	No	No
200-W-54	Europium-154	15585-10-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.14	0.14	1,610	No	No
200-W-54	Europium-155	14391-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.11	0.11	33,400	No	No
200-W-54	Fluoranthene	206-44-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	419,580	No	No
200-W-54	Fluorene	86-73-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	6,100	No	No
200-W-54	Hexachlorobenzene	118-74-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorobutadiene	87-68-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorocyclopentadiene	77-47-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachloroethane	67-72-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	3,567	No	No
200-W-54	Isophorone	78-59-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Naphthalene	91-20-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	116,062	No	No
200-W-54	Neptunium-237	13994-20-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.060	0.060	8,180	No	No
200-W-54	Nickel-63	13981-37-8	pCi/g	10/19/2001	10/19/2001	1	0	0	2.1	2.1	--	No	No
200-W-54	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	1	0	0	1,290	1,290	--	No	No
200-W-54	Nitrobenzene	98-95-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodiphenylamine	86-30-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Pentachlorophenol	87-86-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Phenanthrene	85-01-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	292,000	No	No
200-W-54	Phenol	108-95-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	503,733	No	No
200-W-54	Plutonium-238	13981-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	161,000	No	No
200-W-54	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	176,000	No	No
200-W-54	Pyrene	129-00-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	436,372	No	No
200-W-54	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	6.48E+06	No	No
200-W-54	Strontium-90	10098-97-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.33	0.33	411	No	No
200-W-54	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	1	0	0	36,000	36,000	--	No	No
200-W-54	Technetium-99	14133-76-7	pCi/g	10/19/2001	10/19/2001	1	0	0	0.41	0.41	411,000	No	No
200-W-54	Tetrachloroethene	127-18-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	13,958	No	No
200-W-54	Toluene	108-88-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	520,185	No	No
200-W-54	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	1.14E+09	No	No
200-W-54	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	10/19/2001	1	0	0	2,000	2,000	--	No	No
200-W-54	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	1.14E+09	No	No
200-W-54	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Trichloroethene	79-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	7,014	No	No
200-W-54	Tritium	10028-17-8	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	2,830	No	No
200-W-54	Uranium-235	15117-96-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.18	0.18	9,630	No	No
200-W-54	Vinyl chloride	75-01-4	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Xylenes (total)	1330-20-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.79E+06	No	No
207-A-South	1,1,1-Trichloroethane	71-55-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.00E+07	No	No
207-A-South	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	89,431	No	No
207-A-South	1,1,2-Trichloroethane	79-00-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.00E+07	No	No
207-A-South	1,1-Dichloroethane	75-34-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	502,380	No	No
207-A-South	1,1-Dichloroethene	75-35-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	300,944	No	No
207-A-South	1,2,4-Trichlorobenzene	120-82-1	ug/kg	9/10/2003	9/10/2003	3	0	0	300	300	--	No	No
207-A-South	1,2-Dichlorobenzene	95-50-1	ug/kg	9/10/2003	9/10/2003	3	0	0	370	370	854,292	No	No
207-A-South	1,2-Dichloroethane	107-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	513,067	No	No
207-A-South	1,2-Dichloroethene (Total)	540-59-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2-Dichloropropane	78-87-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,3-Dichlorobenzene	541-73-1	ug/kg	9/10/2003	9/10/2003	3	0	0	330	330	853,992	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
207-A-South	1,4-Dichlorobenzene	106-46-7	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	1-Butanol	71-36-3	ug/kg	9/10/2003	9/10/2003	3	0	0	41	41	2.63E+06	No	No
207-A-South	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	2,4,5-Trichlorophenol	95-95-4	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	2,4,6-Trichlorophenol	88-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	2,4-Dichlorophenol	120-83-2	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	2,4-Dimethylphenol	105-67-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-Dinitrophenol	51-28-5	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	2,4-Dinitrotoluene	121-14-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	35,584	No	No
207-A-South	2,6-Dinitrotoluene	606-20-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.77E+08	No	No
207-A-South	2-Butoxyethanol	111-76-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	2-Chloronaphthalene	91-58-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	3	0	0	150	150	--	No	No
207-A-South	2-Hexanone	591-78-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	236,579	No	No
207-A-South	2-Methylnaphthalene	91-57-6	ug/kg	9/10/2003	9/10/2003	3	0	0	180	190	500,357	No	No
207-A-South	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	9/10/2003	11/12/2015	27	0	0	34	113	9.29E+06	No	No
207-A-South	2-Nitroaniline	88-74-4	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Nitrophenol	88-75-5	ug/kg	9/10/2003	9/10/2003	3	0	0	180	180	--	No	No
207-A-South	2-Pentanone	107-87-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	3,3'-Dichlorobenzidine	91-94-1	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	9/10/2003	11/12/2015	27	0	0	69	120	9.36E+06	No	No
207-A-South	3-Nitroaniline	99-09-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	4-Bromophenylphenyl ether	101-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloroaniline	106-47-8	ug/kg	9/10/2003	9/10/2003	3	0	0	95	96	--	No	No
207-A-South	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Methyl-2-pentanone	108-10-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	4-Nitroaniline	100-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	4-Nitrophenol	100-02-7	ug/kg	9/10/2003	9/10/2003	3	0	0	660	670	--	No	No
207-A-South	Acenaphthene	83-32-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	1.21E+06	No	No
207-A-South	Acenaphthylene	208-96-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	77,904	No	No
207-A-South	Acetone	67-64-1	ug/kg	9/10/2003	11/12/2015	27	0	0	2.0	4.0	--	No	No
207-A-South	Aldrin	309-00-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	1,965	No	No
207-A-South	Alpha-BHC	319-84-6	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Alpha-Chlordane	5103-71-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	3	0	0	258	258	--	No	No
207-A-South	Anthracene	120-12-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	4.21E+06	No	No
207-A-South	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	4,930	598	Yes	Yes
207-A-South	Aroclor-1016	12674-11-2	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	2,467	No	No
207-A-South	Aroclor-1221	11104-28-2	ug/kg	9/10/2003	9/10/2003	3	0	0	99	100	271	No	No
207-A-South	Aroclor-1232	11141-16-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	271	No	No
207-A-South	Aroclor-1242	53469-21-9	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	274	No	No
207-A-South	Aroclor-1248	12672-29-6	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	60	No	No
207-A-South	Aroclor-1254	11097-69-1	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	271	No	No
207-A-South	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	271	No	No
207-A-South	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	140,000	No	No
207-A-South	Benzene	71-43-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	7,022	No	No
207-A-South	Benzo(a)anthracene	56-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	6,400	No	No
207-A-South	Benzo(a)pyrene	50-32-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	7,643	No	No
207-A-South	Benzo(b)fluoranthene	205-99-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3,923	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
207-A-South	Benzo(ghi)perylene	191-24-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3,470	No	No
207-A-South	Benzo(k)fluoranthene	207-08-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3,923	No	No
207-A-South	Benzyl alcohol	100-51-6	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	100,828	No	No
207-A-South	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	3,974	No	No
207-A-South	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	9/10/2003	9/10/2003	3	0	0	260	260	--	No	No
207-A-South	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	9/10/2003	9/10/2003	3	0	0	120	120	--	No	No
207-A-South	Bis(2-chloroethyl) ether	111-44-4	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	3	0	0	570	580	4,551	No	No
207-A-South	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	3	0	0	4,970	5,000	--	No	No
207-A-South	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	3	0	0	5,070	5,100	51,000	No	No
207-A-South	Bromodichloromethane	75-27-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromoform	75-25-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromomethane	74-83-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	1,300	No	No
207-A-South	Carbazole	86-74-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	Carbon disulfide	75-15-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Carbon tetrachloride	56-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	159,958	No	No
207-A-South	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	3.8	135	No	No
207-A-South	Chlorobenzene	108-90-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	194,962	No	No
207-A-South	Chloroethane	75-00-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	150,576	No	No
207-A-South	Chloromethane	74-87-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	78,000	No	No
207-A-South	Chrysene	218-01-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	4,452	No	No
207-A-South	cis-1,3-Dichloropropene	10061-01-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	3	0	0	200	200	7.81E+07	No	No
207-A-South	Dalapon	75-99-0	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Delta-BHC	319-86-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Dibenz(a,h)anthracene	53-70-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	4,413	No	No
207-A-South	Dibenzofuran	132-64-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dibromochloromethane	124-48-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Dicamba	1918-00-9	ug/kg	9/3/2003	9/4/2003	5	0	0	70	75	--	No	No
207-A-South	Dichloroprop	120-36-5	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Dieldrin	60-57-1	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	10	No	No
207-A-South	Diethyl ether	60-29-7	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Dimethyl phthalate	131-11-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	3	0	0	89	89	--	No	No
207-A-South	Di-n-octylphthalate	117-84-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Endosulfan I	959-98-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	17	No	No
207-A-South	Endosulfan II	33213-65-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	1,287	No	No
207-A-South	Endosulfan sulfate	1031-07-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	0.51	Yes	Yes
207-A-South	Endrin aldehyde	7421-93-4	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	141	No	No
207-A-South	Endrin ketone	53494-70-5	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin	72-20-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Ethylbenzene	100-41-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.36E+06	No	No
207-A-South	Ethylene glycol	107-21-1	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Fluoranthene	206-44-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	419,580	No	No
207-A-South	Fluorene	86-73-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	6,100	No	No
207-A-South	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	3	0	0	350	350	3.57E+07	No	No
207-A-South	Gamma-BHC (Lindane)	58-89-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor epoxide	1024-57-3	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor	76-44-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Hexachlorobenzene	118-74-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Hexachlorobutadiene	87-68-3	ug/kg	9/10/2003	9/10/2003	3	0	0	370	380	--	No	No
207-A-South	Hexachlorocyclopentadiene	77-47-4	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
207-A-South	Hexachloroethane	67-72-1	ug/kg	9/10/2003	9/10/2003	3	0	0	480	480	--	No	No
207-A-South	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/10/2003	12	0	0	410	450	300,209	No	No
207-A-South	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	3,567	No	No
207-A-South	Iodine-129	15046-84-1	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	12	--	No	No
207-A-South	Isophorone	78-59-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	3	0	0	11,700	11,800	153,488	No	No
207-A-South	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	--	No	No
207-A-South	Methanol	67-56-1	ug/kg	9/10/2003	9/10/2003	3	0	0	1,000	1,000	--	No	No
207-A-South	Methoxychlor	72-43-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	450	No	No
207-A-South	Methylene chloride	75-09-2	ug/kg	9/10/2003	11/12/2015	27	0	0	1.3	6.7	58,943	No	No
207-A-South	Naphthalene	91-20-3	ug/kg	9/10/2003	9/10/2003	3	0	0	290	290	116,062	No	No
207-A-South	n-Butylbenzene	104-51-8	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.09E+06	No	No
207-A-South	Neptunium-237	13994-20-2	pCi/g	9/3/2003	9/10/2003	12	0	0	0.017	0.29	8,180	No	No
207-A-South	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	6,500	19,100	No	No
207-A-South	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/10/2003	12	0	0	2.3	2.8	--	No	No
207-A-South	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	3	0	0	1,480	1,480	--	No	No
207-A-South	Nitrobenzene	98-95-3	ug/kg	9/10/2003	9/10/2003	3	0	0	270	270	--	No	No
207-A-South	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	n-Nitrosodiphenylamine	86-30-6	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Oil and grease	OIL/GREASE	ug/kg	9/3/2003	9/10/2003	12	0	0	680,000	748,000	--	No	No
207-A-South	Pentachlorophenol	87-86-5	ug/kg	9/10/2003	9/10/2003	3	0	0	310	310	--	No	No
207-A-South	Phenanthrene	85-01-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	292,000	No	No
207-A-South	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	503,733	No	No
207-A-South	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	3	0	0	1,990	1,990	--	No	No
207-A-South	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	436,372	No	No
207-A-South	Ruthenium-103	13968-53-1	pCi/g	9/10/2003	9/10/2003	3	0	0	0.0090	0.015	--	No	No
207-A-South	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	1,300	Yes	Yes
207-A-South	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/10/2003	12	0	0	0.44	0.61	411,000	No	No
207-A-South	Tetrachloroethene	127-18-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	13,958	No	No
207-A-South	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	3	0	0	0.090	0.20	--	No	No
207-A-South	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	520,185	No	No
207-A-South	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	1.14E+09	No	No
207-A-South	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	1.14E+09	No	No
207-A-South	Toxaphene	8001-35-2	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	trans-1,3-Dichloropropene	10061-02-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	trans-Chlordane	5103-74-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Trichloroethene	79-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	7,014	No	No
207-A-South	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	6,800	No	No
207-A-South	Vinyl chloride	75-01-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Xylenes (total)	1330-20-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.79E+06	No	No
207-T	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.00E+07	No	No
207-T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	89,431	No	No
207-T	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.00E+07	No	No
207-T	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	502,380	No	No
207-T	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	300,944	No	No
207-T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	854,292	No	No
207-T	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	513,067	No	No
207-T	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	853,992	No	No
207-T	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No

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207-T	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	35,584	No	No
207-T	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Butanone	78-93-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	1.77E+08	No	No
207-T	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Hexanone	591-78-6	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	236,579	No	No
207-T	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	500,357	No	No
207-T	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	9.29E+06	No	No
207-T	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	9.36E+06	No	No
207-T	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Acenaphthene	83-32-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1.21E+06	No	No
207-T	Acenaphthylene	208-96-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	77,904	No	No
207-T	Americium-241	14596-10-2	pCi/g	8/7/2000	11/30/2000	6	0	0	0.050	0.21	41,100	No	No
207-T	Anthracene	120-12-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4.21E+06	No	No
207-T	Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0	0.028	0.034	--	No	No
207-T	Benzene	71-43-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	7,022	No	No
207-T	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	6,400	No	No
207-T	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	7,643	No	No
207-T	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3,923	No	No
207-T	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3,470	No	No
207-T	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3,923	No	No
207-T	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromoform	75-25-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromomethane	74-83-9	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Cadmium	7440-43-9	ug/kg	8/7/2000	11/30/2000	3	0	0	30	30	1,300	No	No
207-T	Carbazole	86-74-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Carbon disulfide	75-15-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	159,958	No	No
207-T	Chlorobenzene	108-90-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	194,962	No	No
207-T	Chloroethane	75-00-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chloroform	67-66-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	150,576	No	No
207-T	Chloromethane	74-87-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chrysene	218-01-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4,452	No	No
207-T	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Cyanide	57-12-5	ug/kg	8/7/2000	11/30/2000	3	0	0	490	540	7.81E+07	No	No
207-T	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4,413	No	No
207-T	Dibenzofuran	132-64-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Diethylphthalate	84-66-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
207-T	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Ethylbenzene	100-41-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.36E+06	No	No
207-T	Fluoranthene	206-44-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	419,580	No	No
207-T	Fluorene	86-73-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	6,100	No	No
207-T	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachloroethane	67-72-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	3,567	No	No
207-T	Iodine-129	15046-84-1	pCi/g	8/7/2000	11/30/2000	6	0	0	1.2	3.8	--	No	No
207-T	Isophorone	78-59-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Mercury	7439-97-6	ug/kg	8/7/2000	11/30/2000	3	0	0	20	20	--	No	No
207-T	Naphthalene	91-20-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	116,062	No	No
207-T	Nitrobenzene	98-95-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Phenanthrene	85-01-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	292,000	No	No
207-T	Pyrene	129-00-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	436,372	No	No
207-T	Selenium	7782-49-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	440	1,300	No	No
207-T	Silver	7440-22-4	ug/kg	8/7/2000	11/30/2000	3	0	0	100	110	29,996	No	No
207-T	Styrene	100-42-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Sulfide	18496-25-8	ug/kg	8/7/2000	11/30/2000	3	0	0	37,700	40,300	--	No	No
207-T	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	13,958	No	No
207-T	Toluene	108-88-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	520,185	No	No
207-T	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Trichloroethene	79-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	7,014	No	No
207-T	Vinyl chloride	75-01-4	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.79E+06	No	No
216-A-34	1,1-Dichloroethene	75-35-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	300,944	No	No
216-A-34	1,2,4-Trichlorobenzene	120-82-1	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	--	No	No
216-A-34	1,2-Dichlorobenzene	95-50-1	ug/kg	4/4/2003	4/4/2003	1	0	0	370	370	854,292	No	No
216-A-34	1,3-Dichlorobenzene	541-73-1	ug/kg	4/4/2003	4/4/2003	1	0	0	330	330	853,992	No	No
216-A-34	1,4-Dichlorobenzene	106-46-7	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	1-Butanol	71-36-3	ug/kg	4/4/2003	4/4/2003	1	0	0	20	20	2.63E+06	No	No
216-A-34	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	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	0	17	17	--	No	No
216-A-34	2,4,5-Trichlorophenol	95-95-4	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4,6-Trichlorophenol	88-06-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	4/4/2003	1	0	0	34	34	--	No	No
216-A-34	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	2,4-Dichlorophenol	120-83-2	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2,4-Dimethylphenol	105-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-Dinitrophenol	51-28-5	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4-Dinitrotoluene	121-14-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	35,584	No	No
216-A-34	2,6-Dinitrotoluene	606-20-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No
216-A-34	2-Chloronaphthalene	91-58-7	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	0	150	150	--	No	No
216-A-34	2-Methylnaphthalene	91-57-6	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	500,357	No	No
216-A-34	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	9.29E+06	No	No
216-A-34	2-Nitroaniline	88-74-4	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitrophenol	88-75-5	ug/kg	4/4/2003	4/4/2003	1	0	0	180	180	--	No	No
216-A-34	3,3'-Dichlorobenzidine	91-94-1	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	3-Nitroaniline	99-09-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
216-A-34	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	4-Bromophenylphenyl ether	101-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloroaniline	106-47-8	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	--	No	No
216-A-34	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Nitroaniline	100-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	4-Nitrophenol	100-02-7	ug/kg	4/4/2003	4/4/2003	1	0	0	670	670	--	No	No
216-A-34	Acenaphthene	83-32-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1.21E+06	No	No
216-A-34	Acenaphthylene	208-96-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	77,904	No	No
216-A-34	Aldrin	309-00-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	1,965	No	No
216-A-34	Alpha-BHC	319-84-6	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Anthracene	120-12-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	4.21E+06	No	No
216-A-34	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	0	239	239	598	No	No
216-A-34	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0	0.036	0.036	4,580	No	No
216-A-34	Benzene	71-43-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	7,022	No	No
216-A-34	Benzo(a)anthracene	56-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	6,400	No	No
216-A-34	Benzo(a)pyrene	50-32-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	7,643	No	No
216-A-34	Benzo(b)fluoranthene	205-99-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3,923	No	No
216-A-34	Benzo(ghi)perylene	191-24-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3,470	No	No
216-A-34	Benzo(k)fluoranthene	207-08-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3,923	No	No
216-A-34	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	3,974	No	No
216-A-34	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	4/4/2003	4/4/2003	1	0	0	260	260	--	No	No
216-A-34	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	Bis(2-chloroethyl) ether	111-44-4	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	0	6,770	6,770	--	No	No
216-A-34	Bromide	24959-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	900	900	--	No	No
216-A-34	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Carbazole	86-74-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	0	1.9	1.9	135	No	No
216-A-34	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.017	0.017	1,270	No	No
216-A-34	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.014	0.014	3,280	No	No
216-A-34	Chlorobenzene	108-90-7	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	194,962	No	No
216-A-34	Chrysene	218-01-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	4,452	No	No
216-A-34	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0	0.012	0.012	806	No	No
216-A-34	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	7.81E+07	No	No
216-A-34	Dalapon	75-99-0	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Delta-BHC	319-86-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Dibenz(a,h)anthracene	53-70-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	4,413	No	No
216-A-34	Dibenzofuran	132-64-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dicamba	1918-00-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dichloroprop	120-36-5	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Dieldrin	60-57-1	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	10	No	No
216-A-34	Diethyl ether	60-29-7	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Diethylphthalate	84-66-2	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No
216-A-34	Dimethyl phthalate	131-11-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	89	89	--	No	No
216-A-34	Di-n-octylphthalate	117-84-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Endosulfan I	959-98-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	17	No	No
216-A-34	Endosulfan II	33213-65-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	1,287	No	No
216-A-34	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	0.51	Yes	Yes
216-A-34	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	141	No	No
216-A-34	Endrin ketone	53494-70-5	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin	72-20-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Ethylene glycol	107-21-1	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.040	0.040	1,740	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
216-A-34	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.038	0.038	1,610	No	No
216-A-34	Fluoranthene	206-44-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	419,580	No	No
216-A-34	Fluorene	86-73-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	6,100	No	No
216-A-34	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor	76-44-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Hexachlorobenzene	118-74-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Hexachlorobutadiene	87-68-3	ug/kg	4/4/2003	4/4/2003	1	0	0	380	380	--	No	No
216-A-34	Hexachlorocyclopentadiene	77-47-4	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	Hexachloroethane	67-72-1	ug/kg	4/4/2003	4/4/2003	1	0	0	480	480	--	No	No
216-A-34	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	0	420	420	300,209	No	No
216-A-34	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	3,567	No	No
216-A-34	Iodine-129	15046-84-1	pCi/g	4/4/2003	4/4/2003	1	0	0	2.4	2.4	--	No	No
216-A-34	Isophorone	78-59-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	0	48	48	--	No	No
216-A-34	Methanol	67-56-1	ug/kg	4/4/2003	4/4/2003	1	0	0	1,000	1,000	--	No	No
216-A-34	Methoxychlor	72-43-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	450	No	No
216-A-34	Molybdenum	7439-98-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	1,400	Yes	Yes
216-A-34	Naphthalene	91-20-3	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	116,062	No	No
216-A-34	Neptunium-237	13994-20-2	pCi/g	4/4/2003	4/4/2003	1	0	0	0.092	0.092	8,180	No	No
216-A-34	Nitrite	14797-65-0	ug/kg	4/4/2003	4/4/2003	1	0	0	591	591	--	No	No
216-A-34	Nitrobenzene	98-95-3	ug/kg	4/4/2003	4/4/2003	1	0	0	270	270	--	No	No
216-A-34	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	n-Nitrosodiphenylamine	86-30-6	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	4/4/2003	1	0	0	694,000	694,000	--	No	No
216-A-34	Pentachlorophenol	87-86-5	ug/kg	4/4/2003	4/4/2003	1	0	0	310	310	--	No	No
216-A-34	Phenanthrene	85-01-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	292,000	No	No
216-A-34	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	503,733	No	No
216-A-34	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.28	0.28	161,000	No	No
216-A-34	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	436,372	No	No
216-A-34	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.013	0.013	--	No	No
216-A-34	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.12	0.12	--	No	No
216-A-34	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	1,300	Yes	Yes
216-A-34	Silver	7440-22-4	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	29,996	No	No
216-A-34	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0	0.58	0.58	411,000	No	No
216-A-34	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0	0.20	0.20	--	No	No
216-A-34	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	520,185	No	No
216-A-34	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	1.14E+09	No	No
216-A-34	Toxaphene	8001-35-2	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Trichloroethene	79-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	7,014	No	No
216-A-34	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0	0.17	0.17	2,830	No	No
UPR-200-E-64	Cadmium	7440-43-9	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	1,300	No	No
UPR-200-E-64	Cobalt-60	10198-40-0	pCi/g	2/11/2008	2/12/2008	2	0	0	0.013	0.064	806	No	No
UPR-200-E-64	Europium-152	14683-23-9	pCi/g	2/11/2008	2/12/2008	2	0	0	0.036	0.98	1,740	No	No
UPR-200-E-64	Europium-155	14391-16-3	pCi/g	2/11/2008	2/12/2008	2	0	0	0.053	1.1	33,400	No	No
UPR-200-E-64	Fluoride	16984-48-8	ug/kg	2/11/2008	2/12/2008	2	0	0	294	300	3.57E+07	No	No
UPR-200-E-64	Neptunium-237	13994-20-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.038	0.043	8,180	No	No
UPR-200-E-64	Nickel-63	13981-37-8	pCi/g	2/11/2008	2/12/2008	2	0	0	3.4	6.3	--	No	No
UPR-200-E-64	Nitrite	14797-65-0	ug/kg	2/11/2008	2/12/2008	2	0	0	1,610	1,640	--	No	No
UPR-200-E-64	Silver	7440-22-4	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	29,996	No	No
UPR-200-E-64	Strontium-90	10098-97-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.48	12	411	No	No
UPR-200-E-64	Technetium-99	14133-76-7	pCi/g	2/11/2008	2/12/2008	2	0	0	0.39	0.74	411,000	No	No
UPR-200-E-64	Tritium	10028-17-8	pCi/g	2/11/2008	2/12/2008	2	0	0	4.0	4.2	2,830	No	No
UPR-200-E-89	1,1,1-Trichloroethane	71-55-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.00E+07	No	No
UPR-200-E-89	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	89,431	No	No
UPR-200-E-89	1,1,2-Trichloroethane	79-00-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.00E+07	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
UPR-200-E-89	1,1-Dichloroethane	75-34-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	502,380	No	No
UPR-200-E-89	1,1-Dichloroethene	75-35-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	300,944	No	No
UPR-200-E-89	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,2,4-Trichlorobenzene	120-82-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,2-Dichlorobenzene	95-50-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	854,292	No	No
UPR-200-E-89	1,2-Dichloroethane	107-06-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	513,067	No	No
UPR-200-E-89	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2-Dichloropropane	78-87-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,3-Dichlorobenzene	541-73-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	853,992	No	No
UPR-200-E-89	1,4-Dichlorobenzene	106-46-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10	11	--	No	No
UPR-200-E-89	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4,5-Trichlorophenol	95-95-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4,6-Trichlorophenol	88-06-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dichlorophenol	120-83-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dimethylphenol	105-67-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrophenol	51-28-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrotoluene	121-14-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	35,584	No	No
UPR-200-E-89	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,6-Dinitrotoluene	606-20-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Butanone	78-93-3	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	1.77E+08	No	No
UPR-200-E-89	2-Chloronaphthalene	91-58-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Hexanone	591-78-6	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	236,579	No	No
UPR-200-E-89	2-Methylnaphthalene	91-57-6	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	500,357	No	No
UPR-200-E-89	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	9.29E+06	No	No
UPR-200-E-89	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Nitroaniline	88-74-4	ug/kg	7/16/2015	10/22/2015	9	0	0	114	116	--	No	No
UPR-200-E-89	2-Nitrophenol	88-75-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dichlorobenzidine	91-94-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	9.36E+06	No	No
UPR-200-E-89	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Nitroaniline	99-09-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	4-Bromophenylphenyl ether	101-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	10/22/2015	9	0	0	138	141	--	No	No
UPR-200-E-89	4-Chloroaniline	106-47-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Methyl-2-pentanone	108-10-1	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	4-Nitroaniline	100-01-6	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitrophenol	100-02-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Acenaphthene	83-32-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	1.21E+06	No	No
UPR-200-E-89	Acenaphthylene	208-96-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	77,904	No	No
UPR-200-E-89	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122	--	No	No
UPR-200-E-89	Americium-241	14596-10-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.16	0.47	41,100	No	No
UPR-200-E-89	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Anthracene	120-12-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	4.21E+06	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
UPR-200-E-89	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Aroclor-1016	12674-11-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	2,467	No	No
UPR-200-E-89	Aroclor-1221	11104-28-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	271	No	No
UPR-200-E-89	Aroclor-1232	11141-16-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	271	No	No
UPR-200-E-89	Aroclor-1242	53469-21-9	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	274	No	No
UPR-200-E-89	Aroclor-1248	12672-29-6	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	60	No	No
UPR-200-E-89	Aroclor-1254	11097-69-1	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	271	No	No
UPR-200-E-89	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	271	No	No
UPR-200-E-89	Aroclor-1262	37324-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Aroclor-1268	11100-14-4	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Benzene	71-43-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	7,022	No	No
UPR-200-E-89	Benzo(a)anthracene	56-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	6,400	No	No
UPR-200-E-89	Benzo(a)pyrene	50-32-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	7,643	No	No
UPR-200-E-89	Benzo(b)fluoranthene	205-99-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3,923	No	No
UPR-200-E-89	Benzo(ghi)perylene	191-24-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3,470	No	No
UPR-200-E-89	Benzo(k)fluoranthene	207-08-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3,923	No	No
UPR-200-E-89	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175	--	No	No
UPR-200-E-89	Benzyl alcohol	100-51-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloroethyl) ether	111-44-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bismuth	7440-69-9	ug/kg	7/16/2015	7/21/2015	2	0	0	91	103	--	No	No
UPR-200-E-89	Bromodichloromethane	75-27-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromoform	75-25-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromomethane	74-83-9	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Carbazole	86-74-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Carbon disulfide	75-15-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	--	No	No
UPR-200-E-89	Carbon tetrachloride	56-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	159,958	No	No
UPR-200-E-89	Carbon-14	14762-75-5	pCi/g	7/16/2015	10/22/2015	8	0	0	2.5	4.4	135	No	No
UPR-200-E-89	Chlorobenzene	108-90-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	194,962	No	No
UPR-200-E-89	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Chloroethane	75-00-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chloroform	67-66-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	150,576	No	No
UPR-200-E-89	Chloromethane	74-87-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chrysene	218-01-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	4,452	No	No
UPR-200-E-89	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Cobalt-60	10198-40-0	pCi/g	4/29/2008	10/22/2015	3	0	0	0.042	0.16	806	No	No
UPR-200-E-89	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dibenz(a,h)anthracene	53-70-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	4,413	No	No
UPR-200-E-89	Dibenzofuran	132-64-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dibromochloromethane	124-48-1	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Diethylphthalate	84-66-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dimethyl phthalate	131-11-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Di-n-octylphthalate	117-84-0	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethylbenzene	100-41-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.36E+06	No	No
UPR-200-E-89	Europium-152	14683-23-9	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.72	1,740	No	No
UPR-200-E-89	Europium-154	15585-10-1	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.48	1,610	No	No
UPR-200-E-89	Europium-155	14391-16-3	pCi/g	4/29/2008	10/22/2015	3	0	0	0.10	0.86	33,400	No	No
UPR-200-E-89	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Fluoranthene	206-44-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	419,580	No	No
UPR-200-E-89	Fluorene	86-73-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	6,100	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
UPR-200-E-89	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	0	6.4	6.4	--	No	No
UPR-200-E-89	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	0	15	15	--	No	No
UPR-200-E-89	Hexachlorobenzene	118-74-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorobutadiene	87-68-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorocyclopentadiene	77-47-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachloroethane	67-72-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4,000	4,050	--	No	No
UPR-200-E-89	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	3,567	No	No
UPR-200-E-89	Iodine-129	15046-84-1	pCi/g	10/1/2015	10/22/2015	3	0	0	1.2	1.8	--	No	No
UPR-200-E-89	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	69	70	--	No	No
UPR-200-E-89	Isophorone	78-59-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Mercury	7439-97-6	ug/kg	7/16/2015	10/22/2015	4	0	0	3.8	4.0	--	No	No
UPR-200-E-89	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methylene chloride	75-09-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	58,943	No	No
UPR-200-E-89	Naphthalene	91-20-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	116,062	No	No
UPR-200-E-89	Neptunium-237	13994-20-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.69	8,180	No	No
UPR-200-E-89	Nickel-63	13981-37-8	pCi/g	7/16/2015	10/22/2015	9	0	0	12	18	--	No	No
UPR-200-E-89	Nitrite	14797-65-0	ug/kg	4/29/2008	10/22/2015	10	0	0	1,010	1,140	--	No	No
UPR-200-E-89	Nitrobenzene	98-95-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomorpholine	59-89-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorophenol	87-86-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Phenanthrene	85-01-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	292,000	No	No
UPR-200-E-89	Phenol	108-95-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	503,733	No	No
UPR-200-E-89	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Plutonium-238	13981-16-3	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.62	161,000	No	No
UPR-200-E-89	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	10/22/2015	9	0	0	0.39	0.75	176,000	No	No
UPR-200-E-89	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3,440	3,490	--	No	No
UPR-200-E-89	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pyrene	129-00-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	436,372	No	No
UPR-200-E-89	Pyridine	110-86-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Styrene	100-42-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Technetium-99	14133-76-7	pCi/g	7/16/2015	10/22/2015	6	0	0	9.5	12	411,000	No	No
UPR-200-E-89	Tetrachloroethene	127-18-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	13,958	No	No
UPR-200-E-89	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
UPR-200-E-89	Total cresols	1319-77-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	0	200,000	200,000	--	No	No
UPR-200-E-89	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	7/16/2015	10/22/2015	8	0	0	1,150	1,170	1.14E+09	No	No
UPR-200-E-89	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Trichloroethene	79-01-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	7,014	No	No
UPR-200-E-89	Tritium	10028-17-8	pCi/g	7/16/2015	10/22/2015	9	0	0	14	28	2,830	No	No
UPR-200-E-89	Uranium-235	15117-96-1	pCi/g	7/16/2015	10/22/2015	9	0	0	0.19	0.88	9,630	No	No
UPR-200-E-89	Vinyl chloride	75-01-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Xylenes (total)	1330-20-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.79E+06	No	No
UPR-200-W-99	1,1,1-Trichloroethane	71-55-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.00E+07	No	No
UPR-200-W-99	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	89,431	No	No
UPR-200-W-99	1,1,2-Trichloroethane	79-00-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.00E+07	No	No
UPR-200-W-99	1,1-Dichloroethane	75-34-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	502,380	No	No
UPR-200-W-99	1,1-Dichloroethene	75-35-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	300,944	No	No
UPR-200-W-99	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	--	No	No
UPR-200-W-99	1,2-Dichlorobenzene	95-50-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	854,292	No	No
UPR-200-W-99	1,2-Dichloroethane	107-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	513,067	No	No
UPR-200-W-99	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2-Dichloropropane	78-87-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,3-Dichlorobenzene	541-73-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	853,992	No	No
UPR-200-W-99	1,4-Dichlorobenzene	106-46-7	ug/kg	8/22/2000	5/12/2009	3	0	0	260	380	--	No	No
UPR-200-W-99	1-Butanol	71-36-3	ug/kg	10/28/2002	10/28/2002	1	0	0	26,000	26,000	2.63E+06	No	No
UPR-200-W-99	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dichlorophenol	120-83-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dimethylphenol	105-67-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dinitrophenol	51-28-5	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4-Dinitrotoluene	121-14-2	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	35,584	No	No
UPR-200-W-99	2,6-Dinitrotoluene	606-20-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Chloronaphthalene	91-58-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Hexanone	591-78-6	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	236,579	No	No
UPR-200-W-99	2-Methylnaphthalene	91-57-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	500,357	No	No
UPR-200-W-99	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	9.29E+06	No	No
UPR-200-W-99	2-Nitroaniline	88-74-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2-Nitrophenol	88-75-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/22/2000	8/22/2000	1	0	0	340	340	9.36E+06	No	No
UPR-200-W-99	3-Nitroaniline	99-09-2	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chloroaniline	106-47-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Methyl-2-pentanone	108-10-1	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	4-Nitroaniline	100-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Nitrophenol	100-02-7	ug/kg	8/22/2000	5/12/2009	3	0	0	340	960	--	No	No
UPR-200-W-99	Acenaphthene	83-32-9	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	1.21E+06	No	No
UPR-200-W-99	Acenaphthylene	208-96-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	77,904	No	No
UPR-200-W-99	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	1	0	0	3,650	3,650	--	No	No
UPR-200-W-99	Anthracene	120-12-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	4.21E+06	No	No
UPR-200-W-99	Antimony	7440-36-0	ug/kg	10/28/2002	10/28/2002	1	0	0	190	190	598	No	No
UPR-200-W-99	Antimony-125	14234-35-6	pCi/g	10/28/2002	5/12/2009	2	0	0	0.030	0.22	4,580	No	No
UPR-200-W-99	Aroclor-1016	12674-11-2	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	2,467	No	No
UPR-200-W-99	Aroclor-1221	11104-28-2	ug/kg	10/28/2002	5/12/2009	2	0	0	20	77	271	No	No
UPR-200-W-99	Aroclor-1232	11141-16-5	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	271	No	No
UPR-200-W-99	Aroclor-1242	53469-21-9	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	274	No	No
UPR-200-W-99	Aroclor-1248	12672-29-6	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	60	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
UPR-200-W-99	Aroclor-1254	11097-69-1	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	271	No	No
UPR-200-W-99	Aroclor-1262	37324-23-5	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Aroclor-1268	11100-14-4	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Benzene	71-43-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	7,022	No	No
UPR-200-W-99	Benzo(a)anthracene	56-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	6,400	No	No
UPR-200-W-99	Benzo(a)pyrene	50-32-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	7,643	No	No
UPR-200-W-99	Benzo(b)fluoranthene	205-99-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3,923	No	No
UPR-200-W-99	Benzo(ghi)perylene	191-24-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3,470	No	No
UPR-200-W-99	Benzo(k)fluoranthene	207-08-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3,923	No	No
UPR-200-W-99	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bismuth	7440-69-9	ug/kg	10/28/2002	5/12/2009	2	0	0	670	2,300	--	No	No
UPR-200-W-99	Bromodichloromethane	75-27-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromoform	75-25-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromomethane	74-83-9	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbazole	86-74-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbon disulfide	75-15-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Carbon tetrachloride	56-23-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	159,958	No	No
UPR-200-W-99	Cesium-134	13967-70-9	pCi/g	10/28/2002	5/12/2009	2	0	0	0.014	0.12	1,270	No	No
UPR-200-W-99	Chlorobenzene	108-90-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	194,962	No	No
UPR-200-W-99	Chloroethane	75-00-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chloroform	67-66-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	150,576	No	No
UPR-200-W-99	Chloromethane	74-87-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chrysene	218-01-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	4,452	No	No
UPR-200-W-99	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Cobalt-60	10198-40-0	pCi/g	8/22/2000	5/12/2009	4	0	0	0.010	0.10	806	No	No
UPR-200-W-99	Cyanide	57-12-5	ug/kg	8/22/2000	5/12/2009	3	0	0	200	550	7.81E+07	No	No
UPR-200-W-99	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	4,413	No	No
UPR-200-W-99	Dibenzofuran	132-64-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dibromochloromethane	124-48-1	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Diethylphthalate	84-66-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dimethyl phthalate	131-11-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Di-n-octylphthalate	117-84-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Ethylbenzene	100-41-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.36E+06	No	No
UPR-200-W-99	Europium-152	14683-23-9	pCi/g	8/22/2000	5/12/2009	4	0	0	0.033	0.23	1,740	No	No
UPR-200-W-99	Europium-154	15585-10-1	pCi/g	8/22/2000	5/12/2009	4	0	0	0.031	0.35	1,610	No	No
UPR-200-W-99	Europium-155	14391-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.046	0.19	33,400	No	No
UPR-200-W-99	Fluoranthene	206-44-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	419,580	No	No
UPR-200-W-99	Fluorene	86-73-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	6,100	No	No
UPR-200-W-99	Hexachlorobenzene	118-74-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorobutadiene	87-68-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachloroethane	67-72-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	3,567	No	No
UPR-200-W-99	Iodine-129	15046-84-1	pCi/g	8/22/2000	5/12/2009	3	0	0	1.3	1.7	--	No	No
UPR-200-W-99	Isophorone	78-59-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Mercury	7439-97-6	ug/kg	8/22/2000	5/12/2009	3	0	0	20	50	--	No	No
UPR-200-W-99	Naphthalene	91-20-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	116,062	No	No
UPR-200-W-99	Neptunium-237	13994-20-2	pCi/g	10/28/2002	5/12/2009	2	0	0	0.093	0.12	8,180	No	No
UPR-200-W-99	Nickel-63	13981-37-8	pCi/g	10/28/2002	5/12/2009	2	0	0	2.2	3.3	--	No	No
UPR-200-W-99	Nitrite	14797-65-0	ug/kg	10/28/2002	10/28/2002	1	0	0	1,440	1,440	--	No	No
UPR-200-W-99	Nitrobenzene	98-95-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Pentachlorophenol	87-86-5	ug/kg	8/22/2000	5/12/2009	3	0	0	410	960	--	No	No
UPR-200-W-99	Phenanthrene	85-01-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	292,000	No	No

Table A-11. Comparison of Minimum and Maximum MDLs and MDAs to the Grasshopper Mouse Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Grasshopper Mouse PRG	Is Minimum MDL or MDA > Grasshopper mouse PRG?	Is Maximum MDL or MDA > Grasshopper mouse PRG?
UPR-200-W-99	Plutonium-238	13981-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.023	0.19	161,000	No	No
UPR-200-W-99	Pyridine	110-86-1	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Silver	7440-22-4	ug/kg	8/22/2000	5/12/2009	3	0	0	99	160	29,996	No	No
UPR-200-W-99	Styrene	100-42-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Sulfide	18496-25-8	ug/kg	8/22/2000	8/22/2000	1	0	0	20,600	20,600	--	No	No
UPR-200-W-99	Technetium-99	14133-76-7	pCi/g	8/22/2000	5/12/2009	4	0	0	0.38	0.61	411,000	No	No
UPR-200-W-99	Tetrachloroethene	127-18-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	13,958	No	No
UPR-200-W-99	Tin-126	15832-50-5	pCi/g	10/28/2002	10/28/2002	1	0	0	0.10	0.10	--	No	No
UPR-200-W-99	Toluene	108-88-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	520,185	No	No
UPR-200-W-99	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/28/2002	10/28/2002	1	0	0	33	33	--	No	No
UPR-200-W-99	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	5/12/2009	2	0	0	150	380	--	No	No
UPR-200-W-99	Trichloroethene	79-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	7,014	No	No
UPR-200-W-99	Tritium	10028-17-8	pCi/g	8/22/2000	5/12/2009	4	0	0	0.091	3.6	2,830	No	No
UPR-200-W-99	Vinyl chloride	75-01-4	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Xylenes (total)	1330-20-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.79E+06	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
200-E-115	(m+p)-Xylene	179601-23-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	1,1,1-Trichloroethane	71-55-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	3.49E+08	No	No
200-E-115	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.25	3.26E+06	No	No
200-E-115	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	--	No	No
200-E-115	1,1,2-Trichloroethane	79-00-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.19	4.21E+08	No	No
200-E-115	1,1-Dichloroethene	75-35-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.35	0.49	1.22E+07	No	No
200-E-115	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/17/2010	8/29/2010	8	0	0	75	77	--	No	No
200-E-115	1,2-Dichlorobenzene	95-50-1	ug/kg	8/17/2010	8/29/2010	8	0	0	97	101	1.76E+07	No	No
200-E-115	1,2-Dichloroethane	107-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.044	0.063	2.47E+07	No	No
200-E-115	1-Butanol	71-36-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.5	12	6.70E+07	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',3-Trichlorobiphenyl	38444-78-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.00E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,2',6-Trichlorobiphenyl	38444-73-4	ug/kg	8/17/2010	8/29/2010	8	0	0	5.10E-04	0.0012	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	2,3,5-Trichlorobiphenyl	55720-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.80E-04	--	No	No
200-E-115	2',3,5-Trichlorobiphenyl	37680-68-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	2,3,6-Trichlorobiphenyl	55702-45-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.50E-04	8.30E-04	--	No	No
200-E-115	2,3',6-Trichlorobiphenyl	38444-76-7	ug/kg	8/17/2010	8/29/2010	8	0	0	3.00E-04	7.10E-04	--	No	No
200-E-115	2,3'-Dichlorobiphenyl	25569-80-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.10E-04	0.0019	--	No	No
200-E-115	2,3-Dichlorobiphenyl	16605-91-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.60E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/17/2010	8/29/2010	8	0	0	42	44	--	No	No
200-E-115	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/17/2010	8/29/2010	8	0	0	48	50	--	No	No
200-E-115	2,4-Dichlorobiphenyl	33284-50-3	ug/kg	8/17/2010	8/29/2010	8	0	0	8.30E-04	0.0020	--	No	No
200-E-115	2,4-Dinitrotoluene	121-14-2	ug/kg	8/17/2010	8/29/2010	8	0	0	37	38	285,893	No	No
200-E-115	2,5-Dichlorobiphenyl	34883-39-1	ug/kg	8/17/2010	8/29/2010	8	0	0	8.40E-04	0.0020	--	No	No
200-E-115	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	--	No	No
200-E-115	2,6-Dichlorobiphenyl	33146-45-1	ug/kg	8/17/2010	8/29/2010	8	0	0	9.00E-04	0.0021	--	No	No
200-E-115	2-Butanone	78-93-3	ug/kg	8/17/2010	8/29/2010	8	0	0	1.6	2.3	9.71E+08	No	No
200-E-115	2-Chlorophenol	95-57-8	ug/kg	8/17/2010	8/29/2010	8	0	0	64	67	--	No	No
200-E-115	2-Hydroxyacetate	GLYCOLATE	ug/kg	8/17/2010	8/29/2010	8	0	0	92	94	--	No	No
200-E-115	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/17/2010	8/29/2010	8	0	0	55	58	1.35E+08	No	No
200-E-115	2-Nitrophenol	88-75-5	ug/kg	8/17/2010	8/29/2010	8	0	0	52	54	--	No	No
200-E-115	2-Nitropropane	79-46-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',4-Trichlorobiphenyl	37680-69-6	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	5.90E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,3',5-Trichlorobiphenyl	38444-87-0	ug/kg	8/17/2010	8/29/2010	8	0	0	2.50E-04	5.70E-04	--	No	No
200-E-115	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	--	No	No
200-E-115	3,4,5-Trichlorobiphenyl	53555-66-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.60E-04	6.00E-04	--	No	No
200-E-115	3,4',5-Trichlorobiphenyl	38444-88-1	ug/kg	8/17/2010	8/29/2010	8	0	0	2.30E-04	5.30E-04	--	No	No
200-E-115	3,4'-Dichlorobiphenyl	2974-90-5	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,4-Dichlorobiphenyl	2974-92-7	ug/kg	8/17/2010	8/29/2010	8	0	0	8.20E-04	0.0019	--	No	No
200-E-115	3,5-Dichlorobiphenyl	34883-41-5	ug/kg	8/17/2010	8/29/2010	8	0	0	7.10E-04	0.0017	--	No	No
200-E-115	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/17/2010	8/29/2010	8	0	0	50	51	1.36E+08	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
200-E-115	3-Monochlorobiphenyl	2051-61-8	ug/kg	8/17/2010	8/29/2010	8	0	0	9.70E-05	2.30E-04	--	No	No
200-E-115	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.085	0.26	--	No	No
200-E-115	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.41	1.2	--	No	No
200-E-115	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.65	2.0	--	No	No
200-E-115	4,4'-Dichlorobiphenyl	2050-68-2	ug/kg	8/17/2010	8/29/2010	8	0	0	8.80E-04	0.0023	--	No	No
200-E-115	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/17/2010	8/29/2010	8	0	0	42	43	--	No	No
200-E-115	4-Methyl-2-pentanone	108-10-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.4	2.0	--	No	No
200-E-115	4-Monochlorobiphenyl	2051-62-9	ug/kg	8/17/2010	8/29/2010	8	0	0	1.20E-04	2.90E-04	--	No	No
200-E-115	Acenaphthene	83-32-9	ug/kg	8/17/2010	8/29/2010	8	0	0	17	18	9.70E+07	No	No
200-E-115	Acetone	67-64-1	ug/kg	8/17/2010	8/29/2010	8	0	0	1.8	2.6	--	No	No
200-E-115	Aldrin	309-00-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.32	0.98	58	No	No
200-E-115	Alpha-BHC	319-84-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.42	--	No	No
200-E-115	Americium-241	14596-10-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.42	0.61	4,820	No	No
200-E-115	Antimony-125	14234-35-6	pCi/g	8/17/2010	8/29/2010	8	0	0	0.71	1.2	6,130	No	No
200-E-115	Aroclor-1016	12674-11-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	150,406	No	No
200-E-115	Aroclor-1221	11104-28-2	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	8,152	No	No
200-E-115	Aroclor-1232	11141-16-5	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	8,810	No	No
200-E-115	Aroclor-1242	53469-21-9	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	8,735	No	No
200-E-115	Aroclor-1248	12672-29-6	ug/kg	8/17/2010	8/29/2010	8	0	0	5.6	21	1,055	No	No
200-E-115	Aroclor-1254	11097-69-1	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	9,111	No	No
200-E-115	Aroclor-1260	11096-82-5	ug/kg	8/17/2010	8/29/2010	8	0	0	6.4	24	15,421	No	No
200-E-115	Benzene	71-43-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.12	0.17	285,563	No	No
200-E-115	Benzo(a)anthracene	56-55-3	ug/kg	8/17/2010	8/29/2010	8	0	0	36	38	554,013	No	No
200-E-115	Benzo(a)pyrene	50-32-8	ug/kg	8/17/2010	8/29/2010	8	0	0	40	41	554,013	No	No
200-E-115	Benzo(b)fluoranthene	205-99-2	ug/kg	8/17/2010	8/29/2010	8	0	0	47	49	554,013	No	No
200-E-115	Benzo(k)fluoranthene	207-08-9	ug/kg	8/17/2010	8/29/2010	8	0	0	38	39	554,013	No	No
200-E-115	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.31	0.96	66,951	No	No
200-E-115	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	8/17/2010	8/29/2010	8	0	0	568	590	20,000	No	No
200-E-115	Bismuth	7440-69-9	ug/kg	8/18/2010	8/18/2010	1	0	0	8,310	8,310	--	No	No
200-E-115	Bromide	24959-67-9	ug/kg	8/17/2010	8/29/2010	8	0	0	567	580	--	No	No
200-E-115	Carbon disulfide	75-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	0.13	0.19	--	No	No
200-E-115	Carbon tetrachloride	56-23-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	4.90E+06	No	No
200-E-115	Cellosolve Solvent	110-80-5	ug/kg	8/17/2010	8/29/2010	8	0	0	176	182	--	No	No
200-E-115	Cesium-137	10045-97-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.34	0.58	924	No	No
200-E-115	Chlordane	57-74-9	ug/kg	8/17/2010	8/29/2010	8	0	0	3.9	12	264,124	No	No
200-E-115	Chlorobenzene	108-90-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.071	0.10	5.56E+06	No	No
200-E-115	Chloroform	67-66-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.11	0.15	6.60E+06	No	No
200-E-115	Chrysene	218-01-9	ug/kg	8/17/2010	8/29/2010	8	0	0	78	81	554,013	No	No
200-E-115	cis-1,2-Dichloroethylene	156-59-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.15	0.21	2.03E+07	No	No
200-E-115	Cobalt-60	10198-40-0	pCi/g	8/17/2010	8/29/2010	8	0	0	0.28	0.44	1,000	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	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	--	No	No
200-E-115	Curium-242	15510-73-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	--	No	No
200-E-115	Curium-243/244	CM-243/244	pCi/g	8/17/2010	8/29/2010	8	0	0	0.17	0.24	50,000	No	No
200-E-115	Cyanide	57-12-5	ug/kg	8/17/2010	8/29/2010	8	0	0	2,600	2,680	3.81E+07	No	No
200-E-115	Cyclohexanone	108-94-1	ug/kg	8/17/2010	8/29/2010	8	0	0	537	558	--	No	No
200-E-115	Delta-BHC	319-86-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.77	--	No	No
200-E-115	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	554,013	No	No
200-E-115	Dibutylphosphate	107-66-4	ug/kg	8/17/2010	8/29/2010	8	0	0	870	920	--	No	No
200-E-115	Dieldrin	60-57-1	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.69	345	No	No
200-E-115	Diethyl ether	60-29-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.21	0.30	--	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
200-E-115	Di-n-octylphthalate	117-84-0	ug/kg	8/17/2010	8/29/2010	8	0	0	46	48	--	No	No
200-E-115	Endrin	72-20-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.43	--	No	No
200-E-115	Ethyl acetate	141-78-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.48	0.69	--	No	No
200-E-115	Ethylbenzene	100-41-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.088	0.13	3.30E+07	No	No
200-E-115	Ethylene glycol	107-21-1	ug/kg	8/17/2010	8/29/2010	8	0	0	13,000	14,000	--	No	No
200-E-115	Europium-152	14683-23-9	pCi/g	8/17/2010	8/29/2010	8	0	0	1.4	2.0	2,220	No	No
200-E-115	Europium-154	15585-10-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.89	1.5	2,060	No	No
200-E-115	Europium-155	14391-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.46	1.0	48,600	No	No
200-E-115	Fluoranthene	206-44-0	ug/kg	8/17/2010	8/29/2010	8	0	0	34	35	6.93E+07	No	No
200-E-115	Gamma-BHC (Lindane)	58-89-9	ug/kg	8/17/2010	8/29/2010	8	0	0	0.18	0.54	--	No	No
200-E-115	Heptachlor epoxide	1024-57-3	ug/kg	8/17/2010	8/29/2010	8	0	0	0.45	1.4	--	No	No
200-E-115	Heptachlor	76-44-8	ug/kg	8/17/2010	8/29/2010	8	0	0	0.099	0.30	--	No	No
200-E-115	Hexachlorobutadiene	87-68-3	ug/kg	8/17/2010	8/29/2010	8	0	0	67	70	--	No	No
200-E-115	Hexachloroethane	67-72-1	ug/kg	8/17/2010	8/29/2010	8	0	0	108	112	--	No	No
200-E-115	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/17/2010	8/29/2010	8	0	0	49	51	554,013	No	No
200-E-115	Iodine-129	15046-84-1	pCi/g	8/17/2010	8/29/2010	8	0	0	0.14	0.22	--	No	No
200-E-115	Isobutyl alcohol	78-83-1	ug/kg	8/17/2010	8/29/2010	8	0	0	443	460	--	No	No
200-E-115	Mercury	7439-97-6	ug/kg	8/17/2010	8/29/2010	8	0	0	8.2	9.8	--	No	No
200-E-115	Methylene chloride	75-09-2	ug/kg	8/17/2010	8/29/2010	8	0	0	0.053	0.075	3.00E+06	No	No
200-E-115	Monobutyl phosphate	1623-15-0	ug/kg	8/17/2010	8/29/2010	8	0	0	630	680	--	No	No
200-E-115	Naphthalene	91-20-3	ug/kg	8/17/2010	8/29/2010	8	0	0	60	63	2.77E+07	No	No
200-E-115	Nickel-63	13981-37-8	pCi/g	8/17/2010	8/29/2010	8	0	0	4.3	5.9	--	No	No
200-E-115	Nitrobenzene	98-95-3	ug/kg	8/17/2010	8/29/2010	8	0	0	62	65	--	No	No
200-E-115	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/17/2010	8/29/2010	8	0	0	56	58	--	No	No
200-E-115	n-Nitrosomorpholine	59-89-2	ug/kg	8/17/2010	8/29/2010	8	0	0	184	191	--	No	No
200-E-115	o-Xylene	95-47-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.076	0.11	--	No	No
200-E-115	Plutonium-238	13981-16-3	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	5,980	No	No
200-E-115	Plutonium-239/240	PU-239/240	pCi/g	8/17/2010	8/29/2010	8	0	0	0.26	0.35	6,270	No	No
200-E-115	Pyrene	129-00-0	ug/kg	8/17/2010	8/29/2010	8	0	0	61	63	4.16E+07	No	No
200-E-115	Pyridine	110-86-1	ug/kg	8/17/2010	8/29/2010	8	0	0	63	65	--	No	No
200-E-115	Strontium-90	10098-97-2	pCi/g	8/17/2010	8/29/2010	8	0	0	0.18	0.57	91	No	No
200-E-115	Tetrachloroethene	127-18-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.090	0.13	443,178	No	No
200-E-115	Total cresols	1319-77-3	ug/kg	8/17/2010	8/29/2010	8	0	0	103	107	--	No	No
200-E-115	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	8/17/2010	8/29/2010	8	0	0	10	11	--	No	No
200-E-115	trans-1,2-Dichloroethylene	156-60-5	ug/kg	8/17/2010	8/29/2010	8	0	0	0.25	0.35	1.89E+07	No	No
200-E-115	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.22	0.32	--	No	No
200-E-115	Tributyl phosphate	126-73-8	ug/kg	8/17/2010	8/29/2010	8	0	0	104	108	--	No	No
200-E-115	Trichloroethene	79-01-6	ug/kg	8/17/2010	8/29/2010	8	0	0	0.100	0.14	216,873	No	No
200-E-115	Trichloromonofluoromethane	75-69-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.077	0.11	--	No	No
200-E-115	Vinyl chloride	75-01-4	ug/kg	8/17/2010	8/29/2010	8	0	0	0.14	0.20	--	No	No
200-E-115	Xylenes (total)	1330-20-7	ug/kg	8/17/2010	8/29/2010	8	0	0	0.17	0.24	4.53E+07	No	No
200-W-54	1,1,1-Trichloroethane	71-55-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.49E+08	No	No
200-W-54	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.26E+06	No	No
200-W-54	1,1,2-Trichloroethane	79-00-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	4.21E+08	No	No
200-W-54	1,1-Dichloroethane	75-34-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	2.29E+07	No	No
200-W-54	1,1-Dichloroethene	75-35-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.22E+07	No	No
200-W-54	1,2,4-Trichlorobenzene	120-82-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	1,2-Dichlorobenzene	95-50-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1.76E+07	No	No
200-W-54	1,2-Dichloroethane	107-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	2.47E+07	No	No
200-W-54	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,2-Dichloropropane	78-87-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	1,3-Dichlorobenzene	541-73-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1.67E+07	No	No
200-W-54	1,4-Dichlorobenzene	106-46-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4,5-Trichlorophenol	95-95-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4,6-Trichlorophenol	88-06-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dichlorophenol	120-83-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2,4-Dimethylphenol	105-67-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
200-W-54	2,4-Dinitrophenol	51-28-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2,4-Dinitrotoluene	121-14-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	285,893	No	No
200-W-54	2,6-Dinitrotoluene	606-20-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Butanone	78-93-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	9.71E+08	No	No
200-W-54	2-Chloronaphthalene	91-58-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Chlorophenol	95-57-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	2-Hexanone	591-78-6	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	2.51E+06	No	No
200-W-54	2-Methylnaphthalene	91-57-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	2.79E+07	No	No
200-W-54	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1.35E+08	No	No
200-W-54	2-Nitroaniline	88-74-4	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	2-Nitrophenol	88-75-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3,3'-Dichlorobenzidine	91-94-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	1.36E+08	No	No
200-W-54	3-Nitroaniline	99-09-2	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Bromophenylphenyl ether	101-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloro-3-methylphenol	59-50-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chloroaniline	106-47-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	4-Methyl-2-pentanone	108-10-1	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	4-Nitroaniline	100-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	4-Nitrophenol	100-02-7	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Acenaphthene	83-32-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	9.70E+07	No	No
200-W-54	Acenaphthylene	208-96-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	9.70E+07	No	No
200-W-54	Americium-241	14596-10-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.13	0.13	4,820	No	No
200-W-54	Anthracene	120-12-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	5.54E+08	No	No
200-W-54	Aroclor-1016	12674-11-2	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	150,406	No	No
200-W-54	Aroclor-1221	11104-28-2	ug/kg	10/19/2001	10/19/2001	1	0	0	69	69	8,152	No	No
200-W-54	Aroclor-1232	11141-16-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	8,810	No	No
200-W-54	Aroclor-1242	53469-21-9	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	8,735	No	No
200-W-54	Aroclor-1248	12672-29-6	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	1,055	No	No
200-W-54	Aroclor-1254	11097-69-1	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	9,111	No	No
200-W-54	Aroclor-1260	11096-82-5	ug/kg	10/19/2001	10/19/2001	1	0	0	34	34	15,421	No	No
200-W-54	Benzene	71-43-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	285,563	No	No
200-W-54	Benzo(a)anthracene	56-55-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	554,013	No	No
200-W-54	Benzo(a)pyrene	50-32-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	554,013	No	No
200-W-54	Benzo(b)fluoranthene	205-99-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	554,013	No	No
200-W-54	Benzo(ghi)perylene	191-24-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	554,013	No	No
200-W-54	Benzo(k)fluoranthene	207-08-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	554,013	No	No
200-W-54	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-chloroethyl) ether	111-44-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	20,000	No	No
200-W-54	Bismuth	7440-69-9	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	--	No	No
200-W-54	Bromodichloromethane	75-27-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromoform	75-25-2	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Bromomethane	74-83-9	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Butylbenzylphthalate	85-68-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbazole	86-74-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Carbon disulfide	75-15-0	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Carbon tetrachloride	56-23-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	4.90E+06	No	No
200-W-54	Carbon-14	14762-75-5	pCi/g	10/19/2001	10/19/2001	1	0	0	3.9	3.9	31	No	No
200-W-54	Chlorobenzene	108-90-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	5.56E+06	No	No
200-W-54	Chloroethane	75-00-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chloroform	67-66-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	6.60E+06	No	No
200-W-54	Chloromethane	74-87-3	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Chrysene	218-01-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	554,013	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
200-W-54	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Cobalt-60	10198-40-0	pCi/g	10/19/2001	10/19/2001	1	0	0	0.044	0.044	1,000	No	No
200-W-54	Cyanide	57-12-5	ug/kg	10/19/2001	10/19/2001	1	0	0	450	450	3.81E+07	No	No
200-W-54	Dibenz(a,h)anthracene	53-70-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	554,013	No	No
200-W-54	Dibenzofuran	132-64-9	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dibromochloromethane	124-48-1	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Diethylphthalate	84-66-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Dimethyl phthalate	131-11-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-butylphthalate	84-74-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Di-n-octylphthalate	117-84-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Ethylbenzene	100-41-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	3.30E+07	No	No
200-W-54	Europium-152	14683-23-9	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	2,220	No	No
200-W-54	Europium-154	15585-10-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.14	0.14	2,060	No	No
200-W-54	Europium-155	14391-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.11	0.11	48,600	No	No
200-W-54	Fluoranthene	206-44-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	6.93E+07	No	No
200-W-54	Fluorene	86-73-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	6.93E+07	No	No
200-W-54	Hexachlorobenzene	118-74-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorobutadiene	87-68-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachlorocyclopentadiene	77-47-4	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Hexachloroethane	67-72-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	554,013	No	No
200-W-54	Isophorone	78-59-1	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Naphthalene	91-20-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	2.77E+07	No	No
200-W-54	Neptunium-237	13994-20-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.060	0.060	11,200	No	No
200-W-54	Nickel-63	13981-37-8	pCi/g	10/19/2001	10/19/2001	1	0	0	2.1	2.1	--	No	No
200-W-54	Nitrite	14797-65-0	ug/kg	10/19/2001	10/19/2001	1	0	0	1,290	1,290	--	No	No
200-W-54	Nitrobenzene	98-95-3	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	n-Nitrosodiphenylamine	86-30-6	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Pentachlorophenol	87-86-5	ug/kg	10/19/2001	10/19/2001	1	0	0	860	860	--	No	No
200-W-54	Phenanthrene	85-01-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	5.54E+08	No	No
200-W-54	Phenol	108-95-2	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	7,800	No	No
200-W-54	Plutonium-238	13981-16-3	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	5,980	No	No
200-W-54	Plutonium-239/240	PU-239/240	pCi/g	10/19/2001	10/19/2001	1	0	0	0.034	0.034	6,270	No	No
200-W-54	Pyrene	129-00-0	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	4.16E+07	No	No
200-W-54	Strontium	7440-24-6	ug/kg	10/19/2001	10/19/2001	1	0	0	300	300	4.23E+06	No	No
200-W-54	Strontium-90	10098-97-2	pCi/g	10/19/2001	10/19/2001	1	0	0	0.33	0.33	91	No	No
200-W-54	Styrene	100-42-5	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Sulfide	18496-25-8	ug/kg	10/19/2001	10/19/2001	1	0	0	36,000	36,000	--	No	No
200-W-54	Technetium-99	14133-76-7	pCi/g	10/19/2001	10/19/2001	1	0	0	0.41	0.41	127,000	No	No
200-W-54	Tetrachloroethene	127-18-4	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	443,178	No	No
200-W-54	Toluene	108-88-3	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	1.58E+07	No	No
200-W-54	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	5.54E+08	No	No
200-W-54	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/19/2001	10/19/2001	1	0	0	2,000	2,000	--	No	No
200-W-54	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	10/19/2001	10/19/2001	1	0	0	12,300	12,300	5.54E+08	No	No
200-W-54	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	--	No	No
200-W-54	Tributyl phosphate	126-73-8	ug/kg	10/19/2001	10/19/2001	1	0	0	340	340	--	No	No
200-W-54	Trichloroethene	79-01-6	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	216,873	No	No
200-W-54	Tritium	10028-17-8	pCi/g	10/19/2001	10/19/2001	1	0	0	0.10	0.10	420	No	No
200-W-54	Uranium-235	15117-96-1	pCi/g	10/19/2001	10/19/2001	1	0	0	0.18	0.18	8,060	No	No
200-W-54	Vinyl chloride	75-01-4	ug/kg	10/19/2001	10/19/2001	1	0	0	10	10	--	No	No
200-W-54	Xylenes (total)	1330-20-7	ug/kg	10/19/2001	10/19/2001	1	0	0	5.0	5.0	4.53E+07	No	No
207-A-South	1,1,1-Trichloroethane	71-55-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.49E+08	No	No
207-A-South	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.26E+06	No	No
207-A-South	1,1,2-Trichloroethane	79-00-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	4.21E+08	No	No
207-A-South	1,1-Dichloroethane	75-34-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2.29E+07	No	No
207-A-South	1,1-Dichloroethene	75-35-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.22E+07	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
207-A-South	1,2,4-Trichlorobenzene	120-82-1	ug/kg	9/10/2003	9/10/2003	3	0	0	300	300	--	No	No
207-A-South	1,2-Dichlorobenzene	95-50-1	ug/kg	9/10/2003	9/10/2003	3	0	0	370	370	1.76E+07	No	No
207-A-South	1,2-Dichloroethane	107-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2.47E+07	No	No
207-A-South	1,2-Dichloroethene (Total)	540-59-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,2-Dichloropropane	78-87-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	1,3-Dichlorobenzene	541-73-1	ug/kg	9/10/2003	9/10/2003	3	0	0	330	330	1.67E+07	No	No
207-A-South	1,4-Dichlorobenzene	106-46-7	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	1-Butanol	71-36-3	ug/kg	9/10/2003	9/10/2003	3	0	0	41	41	6.70E+07	No	No
207-A-South	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	2,4,5-Trichlorophenol	95-95-4	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	2,4,6-Trichlorophenol	88-06-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	2,4-Dichlorophenol	120-83-2	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	2,4-Dimethylphenol	105-67-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2,4-Dinitrophenol	51-28-5	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	2,4-Dinitrotoluene	121-14-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	285,893	No	No
207-A-South	2,6-Dinitrotoluene	606-20-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Butanone	78-93-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	9.71E+08	No	No
207-A-South	2-Butoxyethanol	111-76-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	--	No	No
207-A-South	2-Chloronaphthalene	91-58-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Chlorophenol	95-57-8	ug/kg	9/10/2003	9/10/2003	3	0	0	150	150	--	No	No
207-A-South	2-Hexanone	591-78-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	2.51E+06	No	No
207-A-South	2-Methylnaphthalene	91-57-6	ug/kg	9/10/2003	9/10/2003	3	0	0	180	190	2.79E+07	No	No
207-A-South	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	9/10/2003	11/12/2015	27	0	0	34	113	1.35E+08	No	No
207-A-South	2-Nitroaniline	88-74-4	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	2-Nitrophenol	88-75-5	ug/kg	9/10/2003	9/10/2003	3	0	0	180	180	--	No	No
207-A-South	2-Pentanone	107-87-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	3,3'-Dichlorobenzidine	91-94-1	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	9/10/2003	11/12/2015	27	0	0	69	120	1.36E+08	No	No
207-A-South	3-Nitroaniline	99-09-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	9/10/2003	9/10/2003	3	0	0	680	690	--	No	No
207-A-South	4-Bromophenylphenyl ether	101-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloro-3-methylphenol	59-50-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Chloroaniline	106-47-8	ug/kg	9/10/2003	9/10/2003	3	0	0	95	96	--	No	No
207-A-South	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	4-Methyl-2-pentanone	108-10-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	4-Nitroaniline	100-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	4-Nitrophenol	100-02-7	ug/kg	9/10/2003	9/10/2003	3	0	0	660	670	--	No	No
207-A-South	Acenaphthene	83-32-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	9.70E+07	No	No
207-A-South	Acenaphthylene	208-96-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	9.70E+07	No	No
207-A-South	Acetone	67-64-1	ug/kg	9/10/2003	11/12/2015	27	0	0	2.0	4.0	--	No	No
207-A-South	Aldrin	309-00-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	58	No	No
207-A-South	Alpha-BHC	319-84-6	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Alpha-Chlordane	5103-71-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Ammonium ion	14798-03-9	ug/kg	9/10/2003	9/10/2003	3	0	0	258	258	--	No	No
207-A-South	Anthracene	120-12-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	5.54E+08	No	No
207-A-South	Antimony	7440-36-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	4,930	18,864	No	No
207-A-South	Aroclor-1016	12674-11-2	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	150,406	No	No
207-A-South	Aroclor-1221	11104-28-2	ug/kg	9/10/2003	9/10/2003	3	0	0	99	100	8,152	No	No
207-A-South	Aroclor-1232	11141-16-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	8,810	No	No
207-A-South	Aroclor-1242	53469-21-9	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	8,735	No	No
207-A-South	Aroclor-1248	12672-29-6	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	1,055	No	No
207-A-South	Aroclor-1254	11097-69-1	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	9,111	No	No
207-A-South	Aroclor-1260	11096-82-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	15,421	No	No

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207-A-South	Aroclor-1262	37324-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Aroclor-1268	11100-14-4	ug/kg	9/10/2003	9/10/2003	3	0	0	49	51	--	No	No
207-A-South	Arsenic	7440-38-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	531,000	No	No
207-A-South	Benzene	71-43-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	285,563	No	No
207-A-South	Benzo(a)anthracene	56-55-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	554,013	No	No
207-A-South	Benzo(a)pyrene	50-32-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	554,013	No	No
207-A-South	Benzo(b)fluoranthene	205-99-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	554,013	No	No
207-A-South	Benzo(ghi)perylene	191-24-2	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	554,013	No	No
207-A-South	Benzo(k)fluoranthene	207-08-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	554,013	No	No
207-A-South	Benzyl alcohol	100-51-6	ug/kg	9/10/2003	9/10/2003	3	0	0	75	75	--	No	No
207-A-South	Beryllium	7440-41-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	282,511	No	No
207-A-South	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	66,951	No	No
207-A-South	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	9/10/2003	9/10/2003	3	0	0	260	260	--	No	No
207-A-South	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	9/10/2003	9/10/2003	3	0	0	120	120	--	No	No
207-A-South	Bis(2-chloroethyl) ether	111-44-4	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	9/10/2003	9/10/2003	3	0	0	570	580	20,000	No	No
207-A-South	Bismuth	7440-69-9	ug/kg	9/10/2003	9/10/2003	3	0	0	4,970	5,000	--	No	No
207-A-South	Boron	7440-42-8	ug/kg	9/10/2003	9/10/2003	3	0	0	5,070	5,100	753,000	No	No
207-A-South	Bromodichloromethane	75-27-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromoform	75-25-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Bromomethane	74-83-9	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Butylbenzylphthalate	85-68-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Cadmium	7440-43-9	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	335,000	No	No
207-A-South	Carbazole	86-74-8	ug/kg	9/10/2003	9/10/2003	3	0	0	82	82	--	No	No
207-A-South	Carbon disulfide	75-15-0	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Carbon tetrachloride	56-23-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	4.90E+06	No	No
207-A-South	Carbon-14	14762-75-5	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	3.8	31	No	No
207-A-South	Chlorobenzene	108-90-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	5.56E+06	No	No
207-A-South	Chloroethane	75-00-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chloroform	67-66-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	6.60E+06	No	No
207-A-South	Chloromethane	74-87-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Chromium	7440-47-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	440,000	No	No
207-A-South	Chrysene	218-01-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	554,013	No	No
207-A-South	cis-1,3-Dichloropropene	10061-01-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Cyanide	57-12-5	ug/kg	9/10/2003	9/10/2003	3	0	0	200	200	3.81E+07	No	No
207-A-South	Dalapon	75-99-0	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Delta-BHC	319-86-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Dibenz(a,h)anthracene	53-70-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	554,013	No	No
207-A-South	Dibenzofuran	132-64-9	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dibromochloromethane	124-48-1	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Dicamba	1918-00-9	ug/kg	9/3/2003	9/4/2003	5	0	0	70	75	--	No	No
207-A-South	Dichloroprop	120-36-5	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	Dieldrin	60-57-1	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	345	No	No
207-A-South	Diethyl ether	60-29-7	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Dimethyl phthalate	131-11-3	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Di-n-butylphthalate	84-74-2	ug/kg	9/10/2003	9/10/2003	3	0	0	89	89	--	No	No
207-A-South	Di-n-octylphthalate	117-84-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	--	No	No
207-A-South	Endosulfan I	959-98-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	21,882	No	No
207-A-South	Endosulfan II	33213-65-9	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	21,882	No	No
207-A-South	Endosulfan sulfate	1031-07-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	27,151	No	No
207-A-South	Endrin aldehyde	7421-93-4	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	14,040	No	No
207-A-South	Endrin ketone	53494-70-5	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Endrin	72-20-8	ug/kg	9/3/2003	9/4/2003	5	0	0	3.5	3.7	--	No	No
207-A-South	Ethylbenzene	100-41-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	3.30E+07	No	No
207-A-South	Ethylene glycol	107-21-1	ug/kg	9/10/2003	9/10/2003	3	0	0	5,000	5,000	--	No	No
207-A-South	Fluoranthene	206-44-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	6.93E+07	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
207-A-South	Fluorene	86-73-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	6.93E+07	No	No
207-A-South	Fluoride	16984-48-8	ug/kg	9/10/2003	9/10/2003	3	0	0	350	350	1.74E+07	No	No
207-A-South	Gamma-BHC (Lindane)	58-89-9	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor epoxide	1024-57-3	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Heptachlor	76-44-8	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Hexachlorobenzene	118-74-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Hexachlorobutadiene	87-68-3	ug/kg	9/10/2003	9/10/2003	3	0	0	370	380	--	No	No
207-A-South	Hexachlorocyclopentadiene	77-47-4	ug/kg	9/10/2003	9/10/2003	3	0	0	320	320	--	No	No
207-A-South	Hexachloroethane	67-72-1	ug/kg	9/10/2003	9/10/2003	3	0	0	480	480	--	No	No
207-A-South	Hexavalent Chromium	18540-29-9	ug/kg	9/3/2003	9/10/2003	12	0	0	410	450	3.38E+06	No	No
207-A-South	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	554,013	No	No
207-A-South	Iodine-129	15046-84-1	pCi/g	9/3/2003	9/10/2003	12	0	0	1.6	12	--	No	No
207-A-South	Isophorone	78-59-1	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Lead	7439-92-1	ug/kg	9/10/2003	9/10/2003	3	0	0	11,700	11,800	1.95E+06	No	No
207-A-South	Mercury	7439-97-6	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	--	No	No
207-A-South	Methanol	67-56-1	ug/kg	9/10/2003	9/10/2003	3	0	0	1,000	1,000	--	No	No
207-A-South	Methoxychlor	72-43-5	ug/kg	9/3/2003	9/4/2003	5	0	0	18	19	441,008	No	No
207-A-South	Methylene chloride	75-09-2	ug/kg	9/10/2003	11/12/2015	27	0	0	1.3	6.7	3.00E+06	No	No
207-A-South	Naphthalene	91-20-3	ug/kg	9/10/2003	9/10/2003	3	0	0	290	290	2.77E+07	No	No
207-A-South	n-Butylbenzene	104-51-8	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.81E+07	No	No
207-A-South	Neptunium-237	13994-20-2	pCi/g	9/3/2003	9/10/2003	12	0	0	0.017	0.29	11,200	No	No
207-A-South	Nickel	7440-02-0	ug/kg	9/10/2003	9/10/2003	3	0	0	4,860	6,500	637,157	No	No
207-A-South	Nickel-63	13981-37-8	pCi/g	9/3/2003	9/10/2003	12	0	0	2.3	2.8	--	No	No
207-A-South	Nitrite	14797-65-0	ug/kg	9/10/2003	9/10/2003	3	0	0	1,480	1,480	--	No	No
207-A-South	Nitrobenzene	98-95-3	ug/kg	9/10/2003	9/10/2003	3	0	0	270	270	--	No	No
207-A-South	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	n-Nitrosodiphenylamine	86-30-6	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Oil and grease	OIL/GREASE	ug/kg	9/3/2003	9/10/2003	12	0	0	680,000	748,000	--	No	No
207-A-South	Pentachlorophenol	87-86-5	ug/kg	9/10/2003	9/10/2003	3	0	0	310	310	--	No	No
207-A-South	Phenanthrene	85-01-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	5.54E+08	No	No
207-A-South	Phenol	108-95-2	ug/kg	9/10/2003	9/10/2003	3	0	0	100	100	7,800	No	No
207-A-South	Phosphate	14265-44-2	ug/kg	9/10/2003	9/10/2003	3	0	0	1,990	1,990	--	No	No
207-A-South	Pyrene	129-00-0	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	4.16E+07	No	No
207-A-South	Ruthenium-103	13968-53-1	pCi/g	9/10/2003	9/10/2003	3	0	0	0.0090	0.015	--	No	No
207-A-South	Selenium	7782-49-2	ug/kg	9/10/2003	9/10/2003	3	0	0	2,910	2,960	5,900	No	No
207-A-South	Styrene	100-42-5	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Technetium-99	14133-76-7	pCi/g	9/3/2003	9/10/2003	12	0	0	0.44	0.61	127,000	No	No
207-A-South	Tetrachloroethene	127-18-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	443,178	No	No
207-A-South	Tin-126	15832-50-5	pCi/g	9/10/2003	9/10/2003	3	0	0	0.090	0.20	--	No	No
207-A-South	Toluene	108-88-3	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	1.58E+07	No	No
207-A-South	Total petroleum hydrocarbons - diesel range	TPHDIESEL	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	5.54E+08	No	No
207-A-South	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	9/10/2003	9/10/2003	3	0	0	250	250	--	No	No
207-A-South	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	9/10/2003	9/10/2003	3	0	0	3,800	3,900	5.54E+08	No	No
207-A-South	Toxaphene	8001-35-2	ug/kg	9/3/2003	9/4/2003	5	0	0	180	190	--	No	No
207-A-South	trans-1,3-Dichloropropene	10061-02-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	trans-Chlordane	5103-74-2	ug/kg	9/3/2003	9/4/2003	5	0	0	1.8	1.9	--	No	No
207-A-South	Tributyl phosphate	126-73-8	ug/kg	9/10/2003	9/10/2003	3	0	0	68	69	--	No	No
207-A-South	Trichloroethene	79-01-6	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	216,873	No	No
207-A-South	Uranium	7440-61-1	ug/kg	9/10/2003	9/10/2003	3	0	0	971	986	4,000	No	No
207-A-South	Vinyl chloride	75-01-4	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	--	No	No
207-A-South	Xylenes (total)	1330-20-7	ug/kg	9/10/2003	9/10/2003	3	0	0	2.0	2.1	4.53E+07	No	No
207-T	1,1,1-Trichloroethane	71-55-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.49E+08	No	No
207-T	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.26E+06	No	No
207-T	1,1,2-Trichloroethane	79-00-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	4.21E+08	No	No
207-T	1,1-Dichloroethane	75-34-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	2.29E+07	No	No
207-T	1,1-Dichloroethene	75-35-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.22E+07	No	No
207-T	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
207-T	1,2-Dichlorobenzene	95-50-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1.76E+07	No	No
207-T	1,2-Dichloroethane	107-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	2.47E+07	No	No
207-T	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,2-Dichloropropane	78-87-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	1,3-Dichlorobenzene	541-73-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1.67E+07	No	No
207-T	1,4-Dichlorobenzene	106-46-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dichlorophenol	120-83-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dimethylphenol	105-67-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2,4-Dinitrophenol	51-28-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2,4-Dinitrotoluene	121-14-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	285,893	No	No
207-T	2,6-Dinitrotoluene	606-20-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Butanone	78-93-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	9.71E+08	No	No
207-T	2-Chloronaphthalene	91-58-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Chlorophenol	95-57-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	2-Hexanone	591-78-6	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	2.51E+06	No	No
207-T	2-Methylnaphthalene	91-57-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	2.79E+07	No	No
207-T	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1.35E+08	No	No
207-T	2-Nitroaniline	88-74-4	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	2-Nitrophenol	88-75-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	1.36E+08	No	No
207-T	3-Nitroaniline	99-09-2	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloro-3-methylphenol	59-50-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chloroaniline	106-47-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	4-Methyl-2-pentanone	108-10-1	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	4-Nitroaniline	100-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	4-Nitrophenol	100-02-7	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Acenaphthene	83-32-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	9.70E+07	No	No
207-T	Acenaphthylene	208-96-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	9.70E+07	No	No
207-T	Americium-241	14596-10-2	pCi/g	8/7/2000	11/30/2000	6	0	0	0.050	0.21	4,820	No	No
207-T	Anthracene	120-12-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	5.54E+08	No	No
207-T	Barium-133	13981-41-4	pCi/g	11/30/2000	11/30/2000	2	0	0	0.028	0.034	--	No	No
207-T	Benzene	71-43-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	285,563	No	No
207-T	Benzo(a)anthracene	56-55-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	554,013	No	No
207-T	Benzo(a)pyrene	50-32-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	554,013	No	No
207-T	Benzo(b)fluoranthene	205-99-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	554,013	No	No
207-T	Benzo(ghi)perylene	191-24-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	554,013	No	No
207-T	Benzo(k)fluoranthene	207-08-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	554,013	No	No
207-T	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Bromodichloromethane	75-27-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromoform	75-25-2	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Bromomethane	74-83-9	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Butylbenzylphthalate	85-68-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Cadmium	7440-43-9	ug/kg	8/7/2000	11/30/2000	3	0	0	30	30	335,000	No	No
207-T	Carbazole	86-74-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Carbon disulfide	75-15-0	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Carbon tetrachloride	56-23-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	4.90E+06	No	No
207-T	Chlorobenzene	108-90-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	5.56E+06	No	No
207-T	Chloroethane	75-00-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chloroform	67-66-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	6.60E+06	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
207-T	Chloromethane	74-87-3	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Chrysene	218-01-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	554,013	No	No
207-T	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Cyanide	57-12-5	ug/kg	8/7/2000	11/30/2000	3	0	0	490	540	3.81E+07	No	No
207-T	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	554,013	No	No
207-T	Dibenzofuran	132-64-9	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dibromochloromethane	124-48-1	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Diethylphthalate	84-66-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Dimethyl phthalate	131-11-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-butylphthalate	84-74-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Di-n-octylphthalate	117-84-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Ethylbenzene	100-41-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	3.30E+07	No	No
207-T	Fluoranthene	206-44-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	6.93E+07	No	No
207-T	Fluorene	86-73-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	6.93E+07	No	No
207-T	Hexachlorobenzene	118-74-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorobutadiene	87-68-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Hexachloroethane	67-72-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	554,013	No	No
207-T	Iodine-129	15046-84-1	pCi/g	8/7/2000	11/30/2000	6	0	0	1.2	3.8	--	No	No
207-T	Isophorone	78-59-1	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Mercury	7439-97-6	ug/kg	8/7/2000	11/30/2000	3	0	0	20	20	--	No	No
207-T	Naphthalene	91-20-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	2.77E+07	No	No
207-T	Nitrobenzene	98-95-3	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	--	No	No
207-T	Pentachlorophenol	87-86-5	ug/kg	8/7/2000	11/30/2000	3	0	0	820	900	--	No	No
207-T	Phenanthrene	85-01-8	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	5.54E+08	No	No
207-T	Pyrene	129-00-0	ug/kg	8/7/2000	11/30/2000	3	0	0	330	360	4.16E+07	No	No
207-T	Selenium	7782-49-2	ug/kg	8/7/2000	11/30/2000	3	0	0	330	440	5,900	No	No
207-T	Silver	7440-22-4	ug/kg	8/7/2000	11/30/2000	3	0	0	100	110	3.08E+06	No	No
207-T	Styrene	100-42-5	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Sulfide	18496-25-8	ug/kg	8/7/2000	11/30/2000	3	0	0	37,700	40,300	--	No	No
207-T	Tetrachloroethene	127-18-4	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	443,178	No	No
207-T	Toluene	108-88-3	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	1.58E+07	No	No
207-T	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	--	No	No
207-T	Trichloroethene	79-01-6	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	216,873	No	No
207-T	Vinyl chloride	75-01-4	ug/kg	8/7/2000	11/30/2000	3	0	0	11	11	--	No	No
207-T	Xylenes (total)	1330-20-7	ug/kg	8/7/2000	11/30/2000	3	0	0	6.0	6.0	4.53E+07	No	No
216-A-34	1,1-Dichloroethene	75-35-4	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1.22E+07	No	No
216-A-34	1,2,4-Trichlorobenzene	120-82-1	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	--	No	No
216-A-34	1,2-Dichlorobenzene	95-50-1	ug/kg	4/4/2003	4/4/2003	1	0	0	370	370	1.76E+07	No	No
216-A-34	1,3-Dichlorobenzene	541-73-1	ug/kg	4/4/2003	4/4/2003	1	0	0	330	330	1.67E+07	No	No
216-A-34	1,4-Dichlorobenzene	106-46-7	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	1-Butanol	71-36-3	ug/kg	4/4/2003	4/4/2003	1	0	0	20	20	6.70E+07	No	No
216-A-34	2,4,5-T(2,4,5-Trichlorophenoxyacetic acid)	93-76-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	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	0	17	17	--	No	No
216-A-34	2,4,5-Trichlorophenol	95-95-4	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4,6-Trichlorophenol	88-06-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-D(2,4-Dichlorophenoxyacetic acid)	94-75-7	ug/kg	4/4/2003	4/4/2003	1	0	0	34	34	--	No	No
216-A-34	2,4-DB(4-(2,4-Dichlorophenoxy)butanoic acid)	94-82-6	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	2,4-Dichlorophenol	120-83-2	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2,4-Dimethylphenol	105-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2,4-Dinitrophenol	51-28-5	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	2,4-Dinitrotoluene	121-14-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	285,893	No	No
216-A-34	2,6-Dinitrotoluene	606-20-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Butoxyethanol	111-76-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	--	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
216-A-34	2-Chloronaphthalene	91-58-7	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	2-Chlorophenol	95-57-8	ug/kg	4/4/2003	4/4/2003	1	0	0	150	150	--	No	No
216-A-34	2-Methylnaphthalene	91-57-6	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	2.79E+07	No	No
216-A-34	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	1.35E+08	No	No
216-A-34	2-Nitroaniline	88-74-4	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	2-Nitrophenol	88-75-5	ug/kg	4/4/2003	4/4/2003	1	0	0	180	180	--	No	No
216-A-34	3,3'-Dichlorobenzidine	91-94-1	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	3-Methylphenol (cresol, m-)	108-39-4	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	3-Nitroaniline	99-09-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4,4'-DDD (Dichlorodiphenyldichloroethane)	72-54-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDE (Dichlorodiphenyldichloroethylene)	72-55-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,4'-DDT (Dichlorodiphenyltrichloroethane)	50-29-3	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	4/4/2003	4/4/2003	1	0	0	690	690	--	No	No
216-A-34	4-Bromophenylphenyl ether	101-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloro-3-methylphenol	59-50-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Chloroaniline	106-47-8	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	--	No	No
216-A-34	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	4-Nitroaniline	100-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	4-Nitrophenol	100-02-7	ug/kg	4/4/2003	4/4/2003	1	0	0	670	670	--	No	No
216-A-34	Acenaphthene	83-32-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	9.70E+07	No	No
216-A-34	Acenaphthylene	208-96-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	9.70E+07	No	No
216-A-34	Aldrin	309-00-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	58	No	No
216-A-34	Alpha-BHC	319-84-6	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Alpha-Chlordane	5103-71-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Anthracene	120-12-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	5.54E+08	No	No
216-A-34	Antimony	7440-36-0	ug/kg	4/4/2003	4/4/2003	1	0	0	239	239	18,864	No	No
216-A-34	Antimony-125	14234-35-6	pCi/g	4/4/2003	4/4/2003	1	0	0	0.036	0.036	6,130	No	No
216-A-34	Benzene	71-43-2	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	285,563	No	No
216-A-34	Benzo(a)anthracene	56-55-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	554,013	No	No
216-A-34	Benzo(a)pyrene	50-32-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	554,013	No	No
216-A-34	Benzo(b)fluoranthene	205-99-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	554,013	No	No
216-A-34	Benzo(ghi)perylene	191-24-2	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	554,013	No	No
216-A-34	Benzo(k)fluoranthene	207-08-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	554,013	No	No
216-A-34	beta-1,2,3,4,5,6-Hexachlorocyclohexane (beta-BHC)	319-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	66,951	No	No
216-A-34	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	4/4/2003	4/4/2003	1	0	0	260	260	--	No	No
216-A-34	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	4/4/2003	4/4/2003	1	0	0	120	120	--	No	No
216-A-34	Bis(2-chloroethyl) ether	111-44-4	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Bismuth	7440-69-9	ug/kg	4/4/2003	4/4/2003	1	0	0	6,770	6,770	--	No	No
216-A-34	Bromide	24959-67-9	ug/kg	4/4/2003	4/4/2003	1	0	0	900	900	--	No	No
216-A-34	Butylbenzylphthalate	85-68-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Carbazole	86-74-8	ug/kg	4/4/2003	4/4/2003	1	0	0	82	82	--	No	No
216-A-34	Carbon-14	14762-75-5	pCi/g	4/4/2003	4/4/2003	1	0	0	1.9	1.9	31	No	No
216-A-34	Cesium-134	13967-70-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.017	0.017	560	No	No
216-A-34	Cesium-137	10045-97-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.014	0.014	924	No	No
216-A-34	Chlorobenzene	108-90-7	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	5.56E+06	No	No
216-A-34	Chrysene	218-01-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	554,013	No	No
216-A-34	Cobalt-60	10198-40-0	pCi/g	4/4/2003	4/4/2003	1	0	0	0.012	0.012	1,000	No	No
216-A-34	Cyanide	57-12-5	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	3.81E+07	No	No
216-A-34	Dalapon	75-99-0	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Delta-BHC	319-86-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Dibenz(a,h)anthracene	53-70-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	554,013	No	No
216-A-34	Dibenzofuran	132-64-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dicamba	1918-00-9	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dichloroprop	120-36-5	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	Dieldrin	60-57-1	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	345	No	No
216-A-34	Diethyl ether	60-29-7	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Diethylphthalate	84-66-2	ug/kg	4/4/2003	4/4/2003	1	0	0	190	190	--	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
216-A-34	Dimethyl phthalate	131-11-3	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Di-n-butylphthalate	84-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	89	89	--	No	No
216-A-34	Di-n-octylphthalate	117-84-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	--	No	No
216-A-34	Endosulfan I	959-98-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	21,882	No	No
216-A-34	Endosulfan II	33213-65-9	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	21,882	No	No
216-A-34	Endosulfan sulfate	1031-07-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	27,151	No	No
216-A-34	Endrin aldehyde	7421-93-4	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	14,040	No	No
216-A-34	Endrin ketone	53494-70-5	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Endrin	72-20-8	ug/kg	4/4/2003	4/4/2003	1	0	0	3.4	3.4	--	No	No
216-A-34	Ethylene glycol	107-21-1	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	--	No	No
216-A-34	Europium-152	14683-23-9	pCi/g	4/4/2003	4/4/2003	1	0	0	0.040	0.040	2,220	No	No
216-A-34	Europium-154	15585-10-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.038	0.038	2,060	No	No
216-A-34	Fluoranthene	206-44-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	6.93E+07	No	No
216-A-34	Fluorene	86-73-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	6.93E+07	No	No
216-A-34	Gamma-BHC (Lindane)	58-89-9	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor epoxide	1024-57-3	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Heptachlor	76-44-8	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Hexachlorobenzene	118-74-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Hexachlorobutadiene	87-68-3	ug/kg	4/4/2003	4/4/2003	1	0	0	380	380	--	No	No
216-A-34	Hexachlorocyclopentadiene	77-47-4	ug/kg	4/4/2003	4/4/2003	1	0	0	320	320	--	No	No
216-A-34	Hexachloroethane	67-72-1	ug/kg	4/4/2003	4/4/2003	1	0	0	480	480	--	No	No
216-A-34	Hexavalent Chromium	18540-29-9	ug/kg	4/4/2003	4/4/2003	1	0	0	420	420	3.38E+06	No	No
216-A-34	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	554,013	No	No
216-A-34	Iodine-129	15046-84-1	pCi/g	4/4/2003	4/4/2003	1	0	0	2.4	2.4	--	No	No
216-A-34	Isophorone	78-59-1	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Mercury	7439-97-6	ug/kg	4/4/2003	4/4/2003	1	0	0	48	48	--	No	No
216-A-34	Methanol	67-56-1	ug/kg	4/4/2003	4/4/2003	1	0	0	1,000	1,000	--	No	No
216-A-34	Methoxychlor	72-43-5	ug/kg	4/4/2003	4/4/2003	1	0	0	17	17	441,008	No	No
216-A-34	Molybdenum	7439-98-7	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	3,800	No	No
216-A-34	Naphthalene	91-20-3	ug/kg	4/4/2003	4/4/2003	1	0	0	300	300	2.77E+07	No	No
216-A-34	Neptunium-237	13994-20-2	pCi/g	4/4/2003	4/4/2003	1	0	0	0.092	0.092	11,200	No	No
216-A-34	Nitrite	14797-65-0	ug/kg	4/4/2003	4/4/2003	1	0	0	591	591	--	No	No
216-A-34	Nitrobenzene	98-95-3	ug/kg	4/4/2003	4/4/2003	1	0	0	270	270	--	No	No
216-A-34	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	n-Nitrosodiphenylamine	86-30-6	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	--	No	No
216-A-34	Oil and grease	OIL/GREASE	ug/kg	4/4/2003	4/4/2003	1	0	0	694,000	694,000	--	No	No
216-A-34	Pentachlorophenol	87-86-5	ug/kg	4/4/2003	4/4/2003	1	0	0	310	310	--	No	No
216-A-34	Phenanthrene	85-01-8	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	5.54E+08	No	No
216-A-34	Phenol	108-95-2	ug/kg	4/4/2003	4/4/2003	1	0	0	100	100	7,800	No	No
216-A-34	Plutonium-238	13981-16-3	pCi/g	4/4/2003	4/4/2003	1	0	0	0.28	0.28	5,980	No	No
216-A-34	Pyrene	129-00-0	ug/kg	4/4/2003	4/4/2003	1	0	0	69	69	4.16E+07	No	No
216-A-34	Ruthenium-103	13968-53-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.013	0.013	--	No	No
216-A-34	Ruthenium-106	13967-48-1	pCi/g	4/4/2003	4/4/2003	1	0	0	0.12	0.12	--	No	No
216-A-34	Selenium	7782-49-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1,430	1,430	5,900	No	No
216-A-34	Silver	7440-22-4	ug/kg	4/4/2003	4/4/2003	1	0	0	96	96	3.08E+06	No	No
216-A-34	Technetium-99	14133-76-7	pCi/g	4/4/2003	4/4/2003	1	0	0	0.58	0.58	127,000	No	No
216-A-34	Tin-126	15832-50-5	pCi/g	4/4/2003	4/4/2003	1	0	0	0.20	0.20	--	No	No
216-A-34	Toluene	108-88-3	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	1.58E+07	No	No
216-A-34	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	4/4/2003	4/4/2003	1	0	0	250	250	--	No	No
216-A-34	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	4/4/2003	4/4/2003	1	0	0	5,000	5,000	5.54E+08	No	No
216-A-34	Toxaphene	8001-35-2	ug/kg	4/4/2003	4/4/2003	1	0	0	170	170	--	No	No
216-A-34	trans-Chlordane	5103-74-2	ug/kg	4/4/2003	4/4/2003	1	0	0	1.7	1.7	--	No	No
216-A-34	Trichloroethene	79-01-6	ug/kg	4/4/2003	4/4/2003	1	0	0	2.0	2.0	216,873	No	No
216-A-34	Tritium	10028-17-8	pCi/g	4/4/2003	4/4/2003	1	0	0	0.17	0.17	420	No	No
UPR-200-E-64	Cadmium	7440-43-9	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	335,000	No	No
UPR-200-E-64	Cobalt-60	10198-40-0	pCi/g	2/11/2008	2/12/2008	2	0	0	0.013	0.064	1,000	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
UPR-200-E-64	Europium-152	14683-23-9	pCi/g	2/11/2008	2/12/2008	2	0	0	0.036	0.98	2,220	No	No
UPR-200-E-64	Europium-155	14391-16-3	pCi/g	2/11/2008	2/12/2008	2	0	0	0.053	1.1	48,600	No	No
UPR-200-E-64	Fluoride	16984-48-8	ug/kg	2/11/2008	2/12/2008	2	0	0	294	300	1.74E+07	No	No
UPR-200-E-64	Neptunium-237	13994-20-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.038	0.043	11,200	No	No
UPR-200-E-64	Nickel-63	13981-37-8	pCi/g	2/11/2008	2/12/2008	2	0	0	3.4	6.3	--	No	No
UPR-200-E-64	Nitrite	14797-65-0	ug/kg	2/11/2008	2/12/2008	2	0	0	1,610	1,640	--	No	No
UPR-200-E-64	Silver	7440-22-4	ug/kg	2/11/2008	2/12/2008	2	0	0	99	100	3.08E+06	No	No
UPR-200-E-64	Strontium-90	10098-97-2	pCi/g	2/11/2008	2/12/2008	2	0	0	0.48	12	91	No	No
UPR-200-E-64	Technetium-99	14133-76-7	pCi/g	2/11/2008	2/12/2008	2	0	0	0.39	0.74	127,000	No	No
UPR-200-E-64	Tritium	10028-17-8	pCi/g	2/11/2008	2/12/2008	2	0	0	4.0	4.2	420	No	No
UPR-200-E-89	1,1,1-Trichloroethane	71-55-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.49E+08	No	No
UPR-200-E-89	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.26E+06	No	No
UPR-200-E-89	1,1,2-Trichloroethane	79-00-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	4.21E+08	No	No
UPR-200-E-89	1,1-Dichloroethane	75-34-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	2.29E+07	No	No
UPR-200-E-89	1,1-Dichloroethene	75-35-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	1.22E+07	No	No
UPR-200-E-89	1,2,4,5-Tetrachlorobenzene	95-94-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,2,4-Trichlorobenzene	120-82-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,2-Dichlorobenzene	95-50-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	1.76E+07	No	No
UPR-200-E-89	1,2-Dichloroethane	107-06-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	2.47E+07	No	No
UPR-200-E-89	1,2-Dichloroethene (Total)	540-59-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,2-Dichloropropane	78-87-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	1,3-Dichlorobenzene	541-73-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	1.67E+07	No	No
UPR-200-E-89	1,4-Dichlorobenzene	106-46-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Dioxane	123-91-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1,4-Naphthoquinone	130-15-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	1-Methylnaphthalene	90-12-0	ug/kg	7/16/2015	7/21/2015	2	0	0	10	11	--	No	No
UPR-200-E-89	1-Naphthylamine	134-32-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,3,4,6-Tetrachlorophenol	58-90-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4,5-Trichlorophenol	95-95-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4,6-Trichlorophenol	88-06-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dichlorophenol	120-83-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dimethylphenol	105-67-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrophenol	51-28-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2,4-Dinitrotoluene	121-14-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	285,893	No	No
UPR-200-E-89	2,6-Dichlorophenol	87-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2,6-Dinitrotoluene	606-20-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Acetylaminofluorene	53-96-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Butanone	78-93-3	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	9.71E+08	No	No
UPR-200-E-89	2-Chloronaphthalene	91-58-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	2-Chlorophenol	95-57-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Hexanone	591-78-6	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	2.51E+06	No	No
UPR-200-E-89	2-Methylnaphthalene	91-57-6	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	2.79E+07	No	No
UPR-200-E-89	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	1.35E+08	No	No
UPR-200-E-89	2-Naphthylamine	91-59-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	2-Nitroaniline	88-74-4	ug/kg	7/16/2015	10/22/2015	9	0	0	114	116	--	No	No
UPR-200-E-89	2-Nitrophenol	88-75-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	2-Picoline	109-06-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dichlorobenzidine	91-94-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	3,3'-Dimethylbenzidine	119-93-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	1.36E+08	No	No
UPR-200-E-89	3-Methylcholanthrene	56-49-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	3-Nitroaniline	99-09-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Aminobiphenyl	92-67-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	4-Bromophenylphenyl ether	101-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Chloro-3-methylphenol	59-50-7	ug/kg	7/16/2015	10/22/2015	9	0	0	138	141	--	No	No
UPR-200-E-89	4-Chloroaniline	106-47-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No

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Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
UPR-200-E-89	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Methyl-2-pentanone	108-10-1	ug/kg	10/22/2015	10/22/2015	2	0	0	1.8	2.0	--	No	No
UPR-200-E-89	4-Nitroaniline	100-01-6	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitrophenol	100-02-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	4-Nitroquinoline-1-oxide	56-57-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	5-Nitro-o-toluidine	99-55-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	7,12-Dimethylbenz(a)anthracene	57-97-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Acenaphthene	83-32-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	9.70E+07	No	No
UPR-200-E-89	Acenaphthylene	208-96-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	9.70E+07	No	No
UPR-200-E-89	Acetophenone	98-86-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	alpha,alpha-Dimethylphenethylamine	122-09-8	ug/kg	7/16/2015	7/21/2015	2	0	0	121	122	--	No	No
UPR-200-E-89	Americium-241	14596-10-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.16	0.47	4,820	No	No
UPR-200-E-89	Aniline	62-53-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Anthracene	120-12-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	5.54E+08	No	No
UPR-200-E-89	Aramite	140-57-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Aroclor-1016	12674-11-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	150,406	No	No
UPR-200-E-89	Aroclor-1221	11104-28-2	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	8,152	No	No
UPR-200-E-89	Aroclor-1232	11141-16-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	8,810	No	No
UPR-200-E-89	Aroclor-1242	53469-21-9	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	8,735	No	No
UPR-200-E-89	Aroclor-1248	12672-29-6	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	1,055	No	No
UPR-200-E-89	Aroclor-1254	11097-69-1	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	9,111	No	No
UPR-200-E-89	Aroclor-1260	11096-82-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	15,421	No	No
UPR-200-E-89	Aroclor-1262	37324-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Aroclor-1268	11100-14-4	ug/kg	10/22/2015	10/22/2015	2	0	0	3.4	3.5	--	No	No
UPR-200-E-89	Benzene	71-43-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	285,563	No	No
UPR-200-E-89	Benzo(a)anthracene	56-55-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	554,013	No	No
UPR-200-E-89	Benzo(a)pyrene	50-32-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	554,013	No	No
UPR-200-E-89	Benzo(b)fluoranthene	205-99-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	554,013	No	No
UPR-200-E-89	Benzo(ghi)perylene	191-24-2	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	554,013	No	No
UPR-200-E-89	Benzo(k)fluoranthene	207-08-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	554,013	No	No
UPR-200-E-89	Benzoic acid	65-85-0	ug/kg	7/16/2015	7/21/2015	2	0	0	172	175	--	No	No
UPR-200-E-89	Benzyl alcohol	100-51-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bis(2-chloroethyl) ether	111-44-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Bismuth	7440-69-9	ug/kg	7/16/2015	7/21/2015	2	0	0	91	103	--	No	No
UPR-200-E-89	Bromodichloromethane	75-27-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromoform	75-25-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Bromomethane	74-83-9	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Butylbenzylphthalate	85-68-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Carbazole	86-74-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	--	No	No
UPR-200-E-89	Carbon disulfide	75-15-0	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	--	No	No
UPR-200-E-89	Carbon tetrachloride	56-23-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	4.90E+06	No	No
UPR-200-E-89	Carbon-14	14762-75-5	pCi/g	7/16/2015	10/22/2015	8	0	0	2.5	4.4	31	No	No
UPR-200-E-89	Chlorobenzene	108-90-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	5.56E+06	No	No
UPR-200-E-89	Chlorobenzilate	510-15-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Chloroethane	75-00-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chloroform	67-66-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	6.60E+06	No	No
UPR-200-E-89	Chloromethane	74-87-3	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Chrysene	218-01-9	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	554,013	No	No
UPR-200-E-89	cis-1,3-Dichloropropene	10061-01-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Cobalt-60	10198-40-0	pCi/g	4/29/2008	10/22/2015	3	0	0	0.042	0.16	1,000	No	No
UPR-200-E-89	Decane	124-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diallate	2303-16-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dibenz(a,h)anthracene	53-70-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	554,013	No	No
UPR-200-E-89	Dibenzofuran	132-64-9	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dibromochloromethane	124-48-1	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
UPR-200-E-89	Diethylphthalate	84-66-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dimethoate	60-51-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Dimethyl phthalate	131-11-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Di-n-octylphthalate	117-84-0	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Dinoseb(2-secButyl-4,6-dinitrophenol)	88-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Diphenylamine+N-Nitrosodiphenylamine	DPA+NNDPA	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Disulfoton	298-04-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethyl methanesulfonate	62-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Ethylbenzene	100-41-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	3.30E+07	No	No
UPR-200-E-89	Europium-152	14683-23-9	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.72	2,220	No	No
UPR-200-E-89	Europium-154	15585-10-1	pCi/g	4/29/2008	10/22/2015	3	0	0	0.11	0.48	2,060	No	No
UPR-200-E-89	Europium-155	14391-16-3	pCi/g	4/29/2008	10/22/2015	3	0	0	0.10	0.86	48,600	No	No
UPR-200-E-89	Famphur	52-85-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Fluoranthene	206-44-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	6.93E+07	No	No
UPR-200-E-89	Fluorene	86-73-7	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	6.93E+07	No	No
UPR-200-E-89	Gross alpha	12587-46-1	pCi/g	4/29/2008	4/29/2008	1	0	0	6.4	6.4	--	No	No
UPR-200-E-89	Gross beta	12587-47-2	pCi/g	4/29/2008	4/29/2008	1	0	0	15	15	--	No	No
UPR-200-E-89	Hexachlorobenzene	118-74-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorobutadiene	87-68-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorocyclopentadiene	77-47-4	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachloroethane	67-72-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Hexachlorophene	70-30-4	ug/kg	7/16/2015	7/21/2015	2	0	0	4,000	4,050	--	No	No
UPR-200-E-89	Hexachloropropene	1888-71-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	554,013	No	No
UPR-200-E-89	Iodine-129	15046-84-1	pCi/g	10/1/2015	10/22/2015	3	0	0	1.2	1.8	--	No	No
UPR-200-E-89	Isodrin	465-73-6	ug/kg	7/16/2015	7/21/2015	2	0	0	69	70	--	No	No
UPR-200-E-89	Isophorone	78-59-1	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Isosafrole	120-58-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Kepone	143-50-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	m-Dinitrobenzene	99-65-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Mercury	7439-97-6	ug/kg	7/16/2015	10/22/2015	4	0	0	3.8	4.0	--	No	No
UPR-200-E-89	Methapyrilene	91-80-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl methanesulfonate	66-27-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methyl parathion	298-00-0	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Methylene chloride	75-09-2	ug/kg	10/22/2015	10/22/2015	2	0	0	0.95	1.1	3.00E+06	No	No
UPR-200-E-89	Naphthalene	91-20-3	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	2.77E+07	No	No
UPR-200-E-89	Neptunium-237	13994-20-2	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.69	11,200	No	No
UPR-200-E-89	Nickel-63	13981-37-8	pCi/g	7/16/2015	10/22/2015	9	0	0	12	18	--	No	No
UPR-200-E-89	Nitrite	14797-65-0	ug/kg	4/29/2008	10/22/2015	10	0	0	1,010	1,140	--	No	No
UPR-200-E-89	Nitrobenzene	98-95-3	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Nitrosopyrrolidine	930-55-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodiethylamine	55-18-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodimethylamine	62-75-9	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-butylamine	924-16-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosodi-n-propylamine	621-64-7	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomethylethylamine	10595-95-6	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosomorpholine	59-89-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	n-Nitrosopiperidine	100-75-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O,O-Triethyl phosphorothioate	126-68-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	O,O-Diethyl O-2-pyrazinyl phosphorothioate	297-97-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	o-Toluidine	95-53-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Parathion	56-38-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	p-Dimethylaminoazobenzene	60-11-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorobenzene	608-93-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloroethane	76-01-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachloronitrobenzene (PCNB)	82-68-8	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pentachlorophenol	87-86-5	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
UPR-200-E-89	Phenacetin	62-44-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Phenanthrene	85-01-8	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	5.54E+08	No	No
UPR-200-E-89	Phenol	108-95-2	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	7,800	No	No
UPR-200-E-89	Phorate	298-02-2	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Plutonium-238	13981-16-3	pCi/g	7/16/2015	10/22/2015	9	0	0	0.21	0.62	5,980	No	No
UPR-200-E-89	Plutonium-239/240	PU-239/240	pCi/g	7/16/2015	10/22/2015	9	0	0	0.39	0.75	6,270	No	No
UPR-200-E-89	p-Phenylenediamine	106-50-3	ug/kg	7/16/2015	7/21/2015	2	0	0	3,440	3,490	--	No	No
UPR-200-E-89	Pronamide	23950-58-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Pyrene	129-00-0	ug/kg	7/16/2015	10/22/2015	9	0	0	10	11	4.16E+07	No	No
UPR-200-E-89	Pyridine	110-86-1	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Safrol	94-59-7	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Styrene	100-42-5	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	sym-Trinitrobenzene	99-35-4	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Technetium-99	14133-76-7	pCi/g	7/16/2015	10/22/2015	6	0	0	9.5	12	127,000	No	No
UPR-200-E-89	Tetrachloroethene	127-18-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	443,178	No	No
UPR-200-E-89	Tetraethyl dithiopyrophosphate (Sulfotepp)	3689-24-5	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total cresols	1319-77-3	ug/kg	7/16/2015	7/21/2015	2	0	0	103	105	--	No	No
UPR-200-E-89	Total organic carbon	TOC	ug/kg	4/29/2008	4/29/2008	1	0	0	200,000	200,000	--	No	No
UPR-200-E-89	Total petroleum hydrocarbons - kerosene range	TPHKEROSENE	ug/kg	7/16/2015	10/22/2015	8	0	0	1,150	1,170	5.54E+08	No	No
UPR-200-E-89	trans-1,3-Dichloropropene	10061-02-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Tributyl phosphate	126-73-8	ug/kg	7/16/2015	10/22/2015	9	0	0	103	105	--	No	No
UPR-200-E-89	Trichloroethene	79-01-6	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	216,873	No	No
UPR-200-E-89	Tritium	10028-17-8	pCi/g	7/16/2015	10/22/2015	9	0	0	14	28	420	No	No
UPR-200-E-89	Uranium-235	15117-96-1	pCi/g	7/16/2015	10/22/2015	9	0	0	0.19	0.88	8,060	No	No
UPR-200-E-89	Vinyl chloride	75-01-4	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	--	No	No
UPR-200-E-89	Xylenes (total)	1330-20-7	ug/kg	10/22/2015	10/22/2015	2	0	0	0.18	0.20	4.53E+07	No	No
UPR-200-W-99	1,1,1-Trichloroethane	71-55-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.49E+08	No	No
UPR-200-W-99	1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.26E+06	No	No
UPR-200-W-99	1,1,2-Trichloroethane	79-00-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	4.21E+08	No	No
UPR-200-W-99	1,1-Dichloroethane	75-34-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	2.29E+07	No	No
UPR-200-W-99	1,1-Dichloroethene	75-35-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.22E+07	No	No
UPR-200-W-99	1,2,4-Trichlorobenzene	120-82-1	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	--	No	No
UPR-200-W-99	1,2-Dichlorobenzene	95-50-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1.76E+07	No	No
UPR-200-W-99	1,2-Dichloroethane	107-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	2.47E+07	No	No
UPR-200-W-99	1,2-Dichloroethene (Total)	540-59-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,2-Dichloropropane	78-87-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	1,3-Dichlorobenzene	541-73-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1.67E+07	No	No
UPR-200-W-99	1,4-Dichlorobenzene	106-46-7	ug/kg	8/22/2000	5/12/2009	3	0	0	260	380	--	No	No
UPR-200-W-99	1-Butanol	71-36-3	ug/kg	10/28/2002	10/28/2002	1	0	0	26,000	26,000	6.70E+07	No	No
UPR-200-W-99	2,4,5-Trichlorophenol	95-95-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4,6-Trichlorophenol	88-06-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dichlorophenol	120-83-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dimethylphenol	105-67-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2,4-Dinitrophenol	51-28-5	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2,4-Dinitrotoluene	121-14-2	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	285,893	No	No
UPR-200-W-99	2,6-Dinitrotoluene	606-20-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Chloronaphthalene	91-58-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	2-Hexanone	591-78-6	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	2.51E+06	No	No
UPR-200-W-99	2-Methylnaphthalene	91-57-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	2.79E+07	No	No
UPR-200-W-99	2-Methylphenol (cresol, o-)	95-48-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	1.35E+08	No	No
UPR-200-W-99	2-Nitroaniline	88-74-4	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	2-Nitrophenol	88-75-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3,3'-Dichlorobenzidine	91-94-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	3+4 Methylphenol (cresol, m+p)	65794-96-9	ug/kg	8/22/2000	8/22/2000	1	0	0	340	340	1.36E+08	No	No
UPR-200-W-99	3-Nitroaniline	99-09-2	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Bromophenylphenyl ether	101-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
UPR-200-W-99	4-Chloroaniline	106-47-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Chlorophenylphenyl ether	7005-72-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	4-Methyl-2-pentanone	108-10-1	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	4-Methylphenol (cresol, p-)	106-44-5	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	4-Nitroaniline	100-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	860	960	--	No	No
UPR-200-W-99	4-Nitrophenol	100-02-7	ug/kg	8/22/2000	5/12/2009	3	0	0	340	960	--	No	No
UPR-200-W-99	Acenaphthene	83-32-9	ug/kg	8/22/2000	5/12/2009	3	0	0	150	380	9.70E+07	No	No
UPR-200-W-99	Acenaphthylene	208-96-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	9.70E+07	No	No
UPR-200-W-99	Ammonia	7664-41-7	ug/kg	10/28/2002	10/28/2002	1	0	0	3,650	3,650	--	No	No
UPR-200-W-99	Anthracene	120-12-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	5.54E+08	No	No
UPR-200-W-99	Antimony	7440-36-0	ug/kg	10/28/2002	10/28/2002	1	0	0	190	190	18,864	No	No
UPR-200-W-99	Antimony-125	14234-35-6	pCi/g	10/28/2002	5/12/2009	2	0	0	0.030	0.22	6,130	No	No
UPR-200-W-99	Aroclor-1016	12674-11-2	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	150,406	No	No
UPR-200-W-99	Aroclor-1221	11104-28-2	ug/kg	10/28/2002	5/12/2009	2	0	0	20	77	8,152	No	No
UPR-200-W-99	Aroclor-1232	11141-16-5	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	8,810	No	No
UPR-200-W-99	Aroclor-1242	53469-21-9	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	8,735	No	No
UPR-200-W-99	Aroclor-1248	12672-29-6	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	1,055	No	No
UPR-200-W-99	Aroclor-1254	11097-69-1	ug/kg	10/28/2002	5/12/2009	2	0	0	10	38	9,111	No	No
UPR-200-W-99	Aroclor-1262	37324-23-5	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Aroclor-1268	11100-14-4	ug/kg	5/12/2009	5/12/2009	1	0	0	10	10	--	No	No
UPR-200-W-99	Benzene	71-43-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	285,563	No	No
UPR-200-W-99	Benzo(a)anthracene	56-55-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	554,013	No	No
UPR-200-W-99	Benzo(a)pyrene	50-32-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	554,013	No	No
UPR-200-W-99	Benzo(b)fluoranthene	205-99-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	554,013	No	No
UPR-200-W-99	Benzo(ghi)perylene	191-24-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	554,013	No	No
UPR-200-W-99	Benzo(k)fluoranthene	207-08-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	554,013	No	No
UPR-200-W-99	Benzyl alcohol	100-51-6	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Bis(2-chloro-1-methylethyl)ether	108-60-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-Chloroethoxy)methane	111-91-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bis(2-chloroethyl) ether	111-44-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Bismuth	7440-69-9	ug/kg	10/28/2002	5/12/2009	2	0	0	670	2,300	--	No	No
UPR-200-W-99	Bromodichloromethane	75-27-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromoform	75-25-2	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Bromomethane	74-83-9	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Butylbenzylphthalate	85-68-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbazole	86-74-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Carbon disulfide	75-15-0	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Carbon tetrachloride	56-23-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	4.90E+06	No	No
UPR-200-W-99	Cesium-134	13967-70-9	pCi/g	10/28/2002	5/12/2009	2	0	0	0.014	0.12	560	No	No
UPR-200-W-99	Chlorobenzene	108-90-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	5.56E+06	No	No
UPR-200-W-99	Chloroethane	75-00-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chloroform	67-66-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	6.60E+06	No	No
UPR-200-W-99	Chloromethane	74-87-3	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Chrysene	218-01-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	554,013	No	No
UPR-200-W-99	cis-1,3-Dichloropropene	10061-01-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Cobalt-60	10198-40-0	pCi/g	8/22/2000	5/12/2009	4	0	0	0.010	0.10	1,000	No	No
UPR-200-W-99	Cyanide	57-12-5	ug/kg	8/22/2000	5/12/2009	3	0	0	200	550	3.81E+07	No	No
UPR-200-W-99	Dibenz(a,h)anthracene	53-70-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	554,013	No	No
UPR-200-W-99	Dibenzofuran	132-64-9	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dibromochloromethane	124-48-1	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Diethylphthalate	84-66-2	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Dimethyl phthalate	131-11-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Di-n-octylphthalate	117-84-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Ethylbenzene	100-41-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	3.30E+07	No	No
UPR-200-W-99	Europium-152	14683-23-9	pCi/g	8/22/2000	5/12/2009	4	0	0	0.033	0.23	2,220	No	No
UPR-200-W-99	Europium-154	15585-10-1	pCi/g	8/22/2000	5/12/2009	4	0	0	0.031	0.35	2,060	No	No
UPR-200-W-99	Europium-155	14391-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.046	0.19	48,600	No	No

Table A-12. Comparison of Minimum and Maximum MDLs and MDAs to the Badger Preliminary Remediation Goals

Representative Waste Site	Analyte	CAS#	Units	First Sample Date	Last Sample Date	Number of Results	Number of Detects	Frequency of Detects (%)	Minimum MDL or MDA	Maximum MDL or MDA	Badger PRG	Is Minimum MDL or MDA > Badger PRG?	Is Maximum MDL or MDA > Badger PRG?
UPR-200-W-99	Fluoranthene	206-44-0	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	6.93E+07	No	No
UPR-200-W-99	Fluorene	86-73-7	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	6.93E+07	No	No
UPR-200-W-99	Hexachlorobenzene	118-74-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorobutadiene	87-68-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachlorocyclopentadiene	77-47-4	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Hexachloroethane	67-72-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	554,013	No	No
UPR-200-W-99	Iodine-129	15046-84-1	pCi/g	8/22/2000	5/12/2009	3	0	0	1.3	1.7	--	No	No
UPR-200-W-99	Isophorone	78-59-1	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Mercury	7439-97-6	ug/kg	8/22/2000	5/12/2009	3	0	0	20	50	--	No	No
UPR-200-W-99	Naphthalene	91-20-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	2.77E+07	No	No
UPR-200-W-99	Neptunium-237	13994-20-2	pCi/g	10/28/2002	5/12/2009	2	0	0	0.093	0.12	11,200	No	No
UPR-200-W-99	Nickel-63	13981-37-8	pCi/g	10/28/2002	5/12/2009	2	0	0	2.2	3.3	--	No	No
UPR-200-W-99	Nitrite	14797-65-0	ug/kg	10/28/2002	10/28/2002	1	0	0	1,440	1,440	--	No	No
UPR-200-W-99	Nitrobenzene	98-95-3	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	n-Nitrosodiphenylamine	86-30-6	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	--	No	No
UPR-200-W-99	Pentachlorophenol	87-86-5	ug/kg	8/22/2000	5/12/2009	3	0	0	410	960	--	No	No
UPR-200-W-99	Phenanthrene	85-01-8	ug/kg	8/22/2000	10/28/2002	2	0	0	340	380	5.54E+08	No	No
UPR-200-W-99	Plutonium-238	13981-16-3	pCi/g	8/22/2000	5/12/2009	4	0	0	0.023	0.19	5,980	No	No
UPR-200-W-99	Pyridine	110-86-1	ug/kg	10/28/2002	10/28/2002	1	0	0	380	380	--	No	No
UPR-200-W-99	Silver	7440-22-4	ug/kg	8/22/2000	5/12/2009	3	0	0	99	160	3.08E+06	No	No
UPR-200-W-99	Styrene	100-42-5	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Sulfide	18496-25-8	ug/kg	8/22/2000	8/22/2000	1	0	0	20,600	20,600	--	No	No
UPR-200-W-99	Technetium-99	14133-76-7	pCi/g	8/22/2000	5/12/2009	4	0	0	0.38	0.61	127,000	No	No
UPR-200-W-99	Tetrachloroethene	127-18-4	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	443,178	No	No
UPR-200-W-99	Tin-126	15832-50-5	pCi/g	10/28/2002	10/28/2002	1	0	0	0.10	0.10	--	No	No
UPR-200-W-99	Toluene	108-88-3	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	1.58E+07	No	No
UPR-200-W-99	Total petroleum hydrocarbons - gasoline range	TPHGASOLINE	ug/kg	10/28/2002	10/28/2002	1	0	0	33	33	--	No	No
UPR-200-W-99	trans-1,3-Dichloropropene	10061-02-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	--	No	No
UPR-200-W-99	Tributyl phosphate	126-73-8	ug/kg	10/28/2002	5/12/2009	2	0	0	150	380	--	No	No
UPR-200-W-99	Trichloroethene	79-01-6	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	216,873	No	No
UPR-200-W-99	Tritium	10028-17-8	pCi/g	8/22/2000	5/12/2009	4	0	0	0.091	3.6	420	No	No
UPR-200-W-99	Vinyl chloride	75-01-4	ug/kg	8/22/2000	10/28/2002	2	0	0	11	12	--	No	No
UPR-200-W-99	Xylenes (total)	1330-20-7	ug/kg	8/22/2000	10/28/2002	2	0	0	6.0	6.0	4.53E+07	No	No

Table A-13: Nature of Contamination and Summary of Available Data for Representative Waste Site

Waste Site	Waste Site Type	Nature of the Contamination
200-E-109	Contamination Migration	The 200-E-109 waste site is areas of contaminated tumbleweed accumulation located mostly in the northeast portion of 200 East Area. The contaminated vegetation is carried by the wind. No soil samples have been collected from this representative site. Available information include groundwater, soil gas, and geophysical logging data.
200-E-115	Unplanned Release	The 200-E-115 waste site is an unplanned release of unknown origin and consists of contaminated soil specks and contaminated vegetation. Releases may have been wastewater from equipment decontamination station inside 241-C Tank Farm. Two soil borings (C7680 and C7682) drilled approximately 5 m (16 ft) outside the 200-E-115 boundaries are used for the screening evaluations. Soil samples were collected during 2010 from soil borings C7680 and C7682. Soil samples were collected from depths between zero and 4.6 m (15 ft) bgs and analyzed for anions, cyanide, metals, pesticides, PCBs, SVOAs, VOAs, and alpha, beta, and gamma emitting radioisotopes (see Table A-14). Soil samples were also collected from depths below 4.6 m (15 ft) bgs from C7680 and C7682. Soil samples were analyzed for anions, cyanide, metals, SVOAs, VOAs, and alpha, beta, and gamma emitting radioisotopes (see Table A-14).
200-E-BP	Burn Pit	The 200-E-BP site is an inactive burn pit used to burn nonradioactive material. This site is collocated with 200-E-109. No soil samples have been collected from this representative site. Available information includes groundwater, soil gas, and geophysical logging data. As of 1986, there was no radiological inventory at the burn pit. A 1992 survey of the 200-E BPDS had no recordings of radiation/contamination above background levels.
200-W-53	Unplanned Release	The 200-W-53 site is a large area of posted Underground Radioactive Material, located east of the 207-T Retention Basin. The source of contamination is assumed to be specks of contamination released from the operation of 241-T Tank Farm on the wind. One well located within the boundaries of 200-W-53 (299-W11-50), one well (299-W11-41) located approximately 15 m (50 ft) from the boundary of the UPR, and surface soil samples collected in the vicinity of the 207-T retention basin are used for the screening evaluations. Seven samples were collected from location D018 at the soil surface 0 to 0.3 m (0-1 ft) bgs in the vicinity of the 207-T Retention Basin between 2000 and 2016[3]. Well 299-W11-41 was installed during 2000 where three samples were collected between 1.5 and 4.6 (5 and 15 ft). Samples collected from the 0-4.6 m (0-15 ft) depth interval were analyzed for anions, metals, SVOAs, VOAs, and alpha and beta emitting radioisotopes (see Table A-15). No samples were collected from depths > 4.6 m (15 ft) from 299-W11-50. Soil samples were also collected at depths > 4.6 m (15 ft) bgs from well 299-W11-41. Well 299-W11-50 was installed within 15 m (50 ft) of the UPR where eight samples were collected at depths > 4.6 m 15 ft) bgs. Samples collected > 4.6

[3] Samples collected from D018 are used to evaluate releases from both 200-W-53 and 207-T retention basin.

Table A-13: Nature of Contamination and Summary of Available Data for Representative Waste Site

Waste Site	Waste Site Type	Nature of the Contamination
		m (15 ft) bgs were analyzed for anions, metals, SVOAs, VOAs, and alpha and beta emitting radioisotopes (see Table A-15).
200-W-54	Contamination Migration from 241-SX Tank Farm	The 200-W-54 site is assumed to be the result of tank farm activities or contamination migration from 241-SX Tank Farm. As of 2009, contaminated tumbleweed fragments, rabbit feces, mouse feces and soil specks are frequently identified along the outside of the tank farm fence, and many animals had found shelter inside and beneath an abandoned trailer located within the radiologically posted area north of 241-SY. Three wells installed within the boundaries of 200-W-54 are included in the screening evaluations. Well 299-W22-84 was installed during 2001, two soil samples were collected the 0 to 1.8 m (0 to 6 ft) bgs depth interval. Samples from Well 299-W22-84 were analyzed for anions, cyanide, metals, PCBs, SVOAs, TPH, VOAs, and alpha, beta and gamma emitting radioisotopes (see Table A-16). Soil samples were also collected at depths > 4.6 m (15 ft) from well 299-W22-84. Well 299-W22-90 and well 299-W22-115 were installed during 2012 and 2015 where samples were collected at depths > 4.6 m (15 ft). Soil samples were analyzed for anions, cyanide, metals, PCBs, SVOAs, TPH, VOAs, and alpha, beta and gamma emitting radioisotopes (see Table A-16).
200-W-92	Dumping Area	The 200-W-92 site is a dumping area for miscellaneous trash and debris. Maximum contamination levels of 1,600,000 disintegrations per minute per 100 square centimeters of beta gamma and 14,000 disintegrations per minute per 100 square centimeters of alpha were found on the soil and debris. Two wells were selected for the screening evaluations; well 299-W11-92 is located approximately 30 meters (98 ft) outside the boundaries of the representative site and well 299-W15-765 is located approximately 20 meters (66 ft) outside the boundaries of the site. Soil samples were not collected from the 0 to 4.6 m (15 ft) bgs depth interval from either well. Well 299-W15-765 was installed during 2002 where one sample was collected >4.6 m (15 ft) bgs. Well 299-W11-92 was installed in 2012 and 10 samples were collected > 4.6 m (15 ft) bgs. Soil samples were analyzed for carbon tetrachloride, nitrate, and Tc-99 (see Table A-17).
207-A-SOUTH	Retention Basin	The 207-A South retention basin was used for the interim storage of the 242-A Evaporator process condensate prior to being discharged to the 216-A-37-1 Crib. The 242A Evaporator was regulated because it contained spent halogenated and nonhalogenated solvents and some ammonia. Three soil borings and surface soil samples collected from 25 locations within the boundaries of the 207-A-South representative site are included in the screening evaluations. Ninety soil samples were collected from the 0 to 4.6 m (15 ft) bgs depth interval between 2003 and 2015. Soil samples were analyzed for ammonium ion, anions, cyanide, metals, oil and grease, PCBs, pesticides, SVOAs, TPH, VOAs, and alpha, beta and gamma emitting radioisotopes (see Table A-18).

Table A-13: Nature of Contamination and Summary of Available Data for Representative Waste Site

Waste Site	Waste Site Type	Nature of the Contamination
207-T	Retention Basin	The T Plant retention basin received potentially low-level radioactive waste from T Plant process cooling water and ventilation steam condensate effluent from 221-T and 224-T which was discharged to the 216-T-4-1 and 214-T-4-2 Ditches. Three wells (299-W11-39, 299-W11-40, and 299-W11-41) were installed in 2000 and well 299-W11-50 was installed during 2010. All four wells are located outside the boundaries of the 207-T retention basin, ranging approximately 15 meters and 50 meters outside of the retention basin boundaries. All four wells and surface soil samples collected in the vicinity of the 207-T retention basin are used for the screening evaluations. Sixteen samples were collected from the 0 to 4.6 m (15 ft) bgs depth interval between 2000 and 2016. Seven samples were collected from location D018 at the soil surface 0 to 0.3 m (0-1 ft) bgs in the vicinity of the 207-T Retention Basin between 2000 and 2016. Three samples were collected between 1.5 and 4.6 m (5 and 15 ft) bgs from wells 299-W11-39, 299-W11-40, and 299-W11-41. Soil samples were analyzed for anions, cyanide, metals, SVOAs, VOAs, and alpha, beta and gamma emitting radioisotopes (see Table A-19). Fourteen soil samples were collected from depths >4.6 m (15 ft) bgs between 2000 and 2010. Three samples were each collected from 299-W11-39, 299-W11-40, and 299-W11-50 and five samples were collected from 299-W11-41. Soil samples were analyzed for anions, cyanide, metals, SVOAs, VOAs, and alpha, beta and gamma emitting radioisotopes (see Table A-19).
216-A-34	Ditch	The 216-A-34 Ditch received cooling water from the contact condenser in the 241-A-431 building. The site is marked and posted with Underground Radioactive Material signs. Soil boring C3245 located approximately 10 meters from boundary of 216-A-34 and is used for the screening evaluations. Soil boring C3245 was installed during 2003, three samples were collected within the 0 to 4.6 m (15 ft) bgs depth interval and 24 were collected from depths >4.6 m (15 ft) bgs. Soil samples collected within the 0-4.6 m depth interval were analyzed for anions, cyanide, Cr(VI), metals, herbicides, oil and grease, TPH, SVOAs, VOAs, and alpha, beta and gamma emitting radioisotopes (see Table A-20). Soil samples collected from depths > 4.6 m (15 ft) bgs were analyzed for anions, cyanide, Cr(VI), metals, oil and grease, TPH, SVOAs, VOAs, and alpha, beta and gamma emitting radioisotopes (see Table A-20).
UPR-200-E-64	Contamination Migration	Ants burrowed into contaminated soil that was caused by leakage from the 270-E-1 Neutralization Tank and brought the contamination to the surface. Later documentation suggests the contamination source was the small diameter vertical pipe (swab riser) located on the 200-E-160-PL encased pipeline. Contamination was originally identified in 1984. Well 299-E28-30 is located approximately 20 m (66 ft) from the site boundary and soil boring C5942 is located within the boundaries of UPR-200-E-64 and were used for the screening evaluations. Soil samples were collected in 2008 from C5942 from depths between zero and 4.6 m (15 ft) bgs and analyzed for anions, metals and alpha, beta, and gamma emitting radioisotopes (see Table A-21).

Table A-13: Nature of Contamination and Summary of Available Data for Representative Waste Site

Waste Site	Waste Site Type	Nature of the Contamination
		Soil samples were collected in 2010 from well 299-E28-30 from depths > 4.6 m (15 ft) bgs. Samples were analyzed for cyanide, Cr(VI), metals, TPH, VOAs, SVOAs, PCBs, and alpha, beta, and gamma emitting radioisotopes (see Table A-21).
UPR-200-E-89	Unplanned Release	The UPR-200-E-89 consists of windblown particulates and ground contamination bounding the north and northeast sides of the 241BX and 241BY Tank Farm operations. The site also includes an irregularly shaped drill pad area and a contaminated concrete pad. Well 299-E33-341 is located approximately 20 m (66 ft) outside the boundaries of the UPR, five soil borings (C8707, C8711, C9548, C9549, C9550 are located inside the boundaries of the UPR or within 1-2 m (3.2 to 6.6 ft) of the boundary, three soil borings are located inside the BY Tank Farm and located approximately 100 m to 120 m (328 to 394 ft) outside the boundary of the UPR, and three soil borings are located approximately 25 to 150 m (82 to 490 ft) outside the boundaries of the UPR and the BY Tank Farm. These well and soil borings are used for the screening evaluations. Well 299-E33-341 was installed during 2008 and five soil borings (C8706, C8707, C8711, C9549, and C9550) were drilled during 2015, each report samples that were collected within the 0 to 4.6 m (15 ft) bgs depth interval. Soil samples collected within the 0-4.6 m (15 ft) bgs depth interval were analyzed for anions, cyanide, Cr(VI), metals, TPH, SVOAs, VOAs, and alpha, beta and gamma emitting radioisotopes (see Table A-22). Well 299-E33-341 and 10 soil borings (C8132, C8134, C8136, C8138, C8140, C8706, C9548, C9549, and C9550) were installed between 2008 and 2016 and each report samples that were collected at depths >4.6 m (15 ft) bgs. Soil samples collected >4.6 m (15 ft) bgs depth interval were analyzed for anions, cyanide, Cr(VI), metals, TPH, SVOAs, VOAs, and alpha, beta and gamma emitting radioisotopes (see Table A-22).
UPR-200-W-99	Unplanned Release	UPR-200-W-99 is the result of two plumes of airborne contamination (in 1966) from the 241-TX-153 Diversion Box affecting the ground on both sides of Camden Ave. Wells 299-W14-15 and 299-W14-19 were installed in 2000 and 2002, respectively and are located within the boundaries of UPR-200-W-99. Well 299-W14-20 was installed in 2009 and is approximately 1 m outside the boundary of the UPR. These three wells are used for the screening evaluations Wells 299-W14-15, 299-W14-19 299-W14-20 each report samples that were collected within the 0 to 4.6 m (15 ft) bgs depth interval and >4.6 m (15 ft) bgs. Soil samples were analyzed for anions, cyanide, Cr(VI), metals, PCBs, TPH, SVOAs, VOAs, and alpha, beta and gamma emitting radioisotopes (see Table A-23).

Table A-14. Sample -Specific Information for Representative Waste Site 200-E-115

Sample Location	Sample Number	Sample Collection Date	Collection Purpose	Top (ft)	Bottom (ft)	Depth Interval	Parameters Analyzed
C7680	B26JL8	8/26/2010	Characterization	0	1	0-15' bgs	% moisture, Am-241, bulk density, C-14, cyanide, GEA, I-129, IC anions, ICP metals, ICP/MS metals, isotopic Pu, mercury, Ni-63, PCBs, pesticides, pH, Se-79, Sr-90, sulfide, SVOA, TPH, tritium, VOA
C7680	B26JK8	8/26/2010	Characterization	0	1	0-15' bgs	
C7680	B26JL9	8/26/2010	Characterization	0	1	0-15' bgs	
C7680	B26JK9	8/26/2010	Characterization	0	1	0-15' bgs	
C7680	B26C27	8/27/2010	Characterization	5	7	0-15' bgs	
C7680	B26C26	8/27/2010	Characterization	5	7	0-15' bgs	
C7680	B26C26A	8/27/2010	Characterization	5	7	0-15' bgs	
C7680	B26C26B	8/27/2010	Characterization	5	7	0-15' bgs	
C7680	B26C29	8/29/2010	Characterization	10	12	0-15' bgs	
C7680	B26C28	8/29/2010	Characterization	10	12	0-15' bgs	
C7680	B26C28A	8/29/2010	Characterization	10	12	0-15' bgs	
C7680	B26C28B	8/29/2010	Characterization	10	12	0-15' bgs	
C7680	B26C31	8/29/2010	Characterization	14	16	0-15' bgs	
C7680	B26C30	8/29/2010	Characterization	14	16	0-15' bgs	
C7680	B26C30A	8/29/2010	Characterization	14	16	0-15' bgs	
C7680	B26C30B	8/29/2010	Characterization	14	16	0-15' bgs	
C7680	B26C30C	8/29/2010	Characterization	14	16	0-15' bgs	
C7682	B26JM0	8/17/2010	Characterization	0	1	0-15' bgs	
C7682	B26JM1	8/17/2010	Characterization	0	1	0-15' bgs	
C7682	B26JL0	8/17/2010	Characterization	0	1	0-15' bgs	
C7682	B26JL1	8/17/2010	Characterization	0	1	0-15' bgs	
C7682	B26C48	8/18/2010	Characterization	5	7	0-15' bgs	
C7682	B26C47	8/18/2010	Characterization	5	7	0-15' bgs	
C7682	B26C50	8/18/2010	Characterization	10	12	0-15' bgs	
C7682	B26C51	8/18/2010	Characterization	12	14	0-15' bgs	
C7682	B26C51A	8/18/2010	Characterization	12	14	0-15' bgs	
C7682	B26C51B	8/18/2010	Characterization	12	14	0-15' bgs	
C7682	B26C51C	8/18/2010	Characterization	12	14	0-15' bgs	
C7682	B26C54	8/19/2010	Characterization	14	16	0-15' bgs	
C7682	B26C53	8/19/2010	Characterization	14	16	0-15' bgs	
C7682	B26C53A	8/19/2010	Characterization	14	16	0-15' bgs	

Table A-14. Sample -Specific Information for Representative Waste Site 200-E-115

Sample Location	Sample Number	Sample Collection Date	Collection Purpose	Top (ft)	Bottom (ft)	Depth Interval	Parameters Analyzed
C7680	B26C33	8/29/2010	Characterization	17	19	>15' bgs	%moisture, Am-241, C-14, bulk density, conductivity, cyanide, GEA, I-129, IC anions, ICP metals, ICP/MS metals, isotopic Pu, isotopic Th, mercury, Ni-63, pH, Se-79, Sr-90, sulfide, SVOA, tritium, VOA
C7680	B26C32	8/29/2010	Characterization	17	19	>15' bgs	
C7680	B26C32A	8/29/2010	Characterization	17	19	>15' bgs	
C7680	B26C32B	8/29/2010	Characterization	17	19	>15' bgs	
C7680	B26C32C	8/29/2010	Characterization	17	19	>15' bgs	
C7680	B26C35	8/31/2010	Characterization	43	45	>15' bgs	
C7680	B26C34	8/31/2010	Characterization	43	45	>15' bgs	
C7680	B26C37	9/1/2010	Characterization	92	94	>15' bgs	
C7680	B26C36	9/1/2010	Characterization	92	94	>15' bgs	
C7680	B26C36A	9/1/2010	Characterization	92	94	>15' bgs	
C7680	B26C36B	9/1/2010	Characterization	92	94	>15' bgs	
C7680	B26C39	9/1/2010	Characterization	116	118	>15' bgs	
C7680	B26C38	9/1/2010	Characterization	116	118	>15' bgs	
C7680	B26C38A	9/1/2010	Characterization	116	118	>15' bgs	
C7680	B26C38B	9/1/2010	Characterization	116	118	>15' bgs	
C7680	B26C41	9/1/2010	Characterization	142	144	>15' bgs	
C7680	B26C40	9/1/2010	Characterization	142	144	>15' bgs	
C7680	B26C40C	9/1/2010	Characterization	142	144	>15' bgs	
C7682	B26C56	8/19/2010	Characterization	18	20	>15' bgs	
C7682	B26C55	8/19/2010	Characterization	18	20	>15' bgs	
C7682	B26C55A	8/19/2010	Characterization	18	20	>15' bgs	
C7682	B26C55B	8/19/2010	Characterization	18	20	>15' bgs	
C7682	B26C55C	8/19/2010	Characterization	18	20	>15' bgs	
C7682	B26C58	8/23/2010	Characterization	45	47	>15' bgs	
C7682	B26C57	8/23/2010	Characterization	45	47	>15' bgs	
C7682	B26C57B	8/23/2010	Characterization	45	47	>15' bgs	
C7682	B26C57C	8/23/2010	Characterization	45	47	>15' bgs	
C7682	B26C60	8/24/2010	Characterization	88	90	>15' bgs	
C7682	B26C59	8/24/2010	Characterization	88	90	>15' bgs	
C7682	B26C59A	8/24/2010	Characterization	88	90	>15' bgs	
C7682	B26C59B	8/24/2010	Characterization	88	90	>15' bgs	
C7682	B26C59C	8/24/2010	Characterization	88	90	>15' bgs	
C7682	B26C62	8/25/2010	Characterization	122	124	>15' bgs	
C7682	B26C61	8/25/2010	Characterization	122	124	>15' bgs	
C7682	B26C61A	8/25/2010	Characterization	122	124	>15' bgs	
C7682	B26C61B	8/25/2010	Characterization	122	124	>15' bgs	

Table A-15. Sample -Specific Information for Representative Waste Site 200-W-53

Sample Location	Sample Number	Sample Collection Date	Collection Purpose	Top (ft)	Bottom (ft)	Depth Interval	Parameters Analyzed
D018	S336968	5/10/2000	Routine	0	1	0-15' bgs	Am-241, cyanide, GEA, I-129, IC anions, ICP metals, isotopic Pu, isotopic Th, isotopic uranium, mercury, pH, Sr-90, sulfide, SVOA, Tc-99, tritium, VOA
D018	S423810	5/16/2002	Routine	0	1	0-15' bgs	
D018	S609861	6/21/2004	Routine	0	1	0-15' bgs	
D018	S685043	5/22/2006	Routine	0	1	0-15' bgs	
D018	S755553	5/27/2008	Routine	0	1	0-15' bgs	
D018	S827914	5/27/2010	Routine	0	1	0-15' bgs	
D018	S976724	6/9/2016	Routine	0	1	0-15' bgs	
299-W11-41	B0YVX6	8/7/2000	Waste Management	5	5	0-15' bgs	
299-W11-41	B0YVX7	8/7/2000	Waste Management	15	15	0-15' bgs	
299-W11-41	B0YVX8	8/7/2000	Waste Management	5	15	0-15' bgs	
299-W11-50	B23WT6	3/30/2010	Characterization	85	85	>15' bgs	Am-241, cyanide, GEA, I-129, IC anions, ICP metals, isotopic Pu, isotopic Th, isotopic uranium, mercury, pH, tritium, Sr-90, sulfide, SVOA, Tc-99, VOA
299-W11-50	B23WT7	4/1/2010	Characterization	113	113	>15' bgs	
299-W11-50	B23WT8	4/1/2010	Characterization	128	128	>15' bgs	
299-W11-41	B0YVX9	8/11/2000	Waste Management	248	248	>15' bgs	
299-W11-41	B0YVY0	8/11/2000	Waste Management	262	264	>15' bgs	
299-W11-41	B0YVY1	8/11/2000	Waste Management	248	264	>15' bgs	
299-W11-41	B10Y95	11/20/2000	Waste Management	248	248	>15' bgs	
299-W11-41	B10Y96	11/20/2000	Waste Management	262	264	>15' bgs	

Table A-16. Sample -Specific Information for Representative Waste Site 200-W-54

Sample Location	Sample Number	Sample Collection Date	Collection Purpose	Top (ft)	Bottom (ft)	Depth Interval	Parameters Analyzed
299-W22-84	B139C3	10/19/2001	Waste Management	0	6	0-15' bgs	Am-241, ammonia, C-14, Cr(VI), cyanide, GEA, gross alpha, gross beta, IC anions, ICP metals, ICP/MS metals, isotopic Pu, isotopic Ra, isotopic Th, isotopic uranium, mercury, Ni-63, Np-237, Pa-231, PCBs, pH, Sr-90, sulfide, SVOA, Tc-99, TPH, tritium, VOA
299-W22-84	B139D1	10/19/2001	Waste Management	0	6	0-15' bgs	
299-W22-115	B31332	5/15/2015	Routine	245	245	>15' bgs	Ammonia, C-14, Cr(VI), cyanide, GEA, gross alpha, gross beta, IC anions, ICP metals, ICP/MS metals, isotopic Pu, isotopic Ra, isotopic Th, isotopic uranium, mercury , Ni-63, Np-237, Pa-231, PCBs, pH, Sr-90, sulfide, SVOA, Tc-99, TPH, tritium, VOA
299-W22-84	B139C4	10/19/2001	Waste Management	234	239	>15' bgs	
299-W22-84	B14HT4	4/16/2002	Waste Management	234	239	>15' bgs	
299-W22-90	B2L7W7	6/26/2012	Waste Management	237	242	>15' bgs	
299-W22-90	B2L7W6	6/26/2012	Waste Management	237	242	>15' bgs	
299-W22-90	B2L7W5	6/26/2012	Waste Management	237	242	>15' bgs	

Table A-17. Sample -Specific Information for Representative Waste Site 200-W-92

Sample Location	Sample Number	Sample Collection Date	Collection Purpose	Top (ft)	Bottom (ft)	Depth Interval	Parameters Analyzed
299-W11-92	B24180	4/21/2010	Characterization	87	87	>15' bgs	Carbon tetrachloride, nitrate, % moisture, Tc-99
299-W11-92	B24181	4/21/2010	Characterization	105	105	>15' bgs	
299-W11-92	B24180	4/21/2010	Characterization	87	87	>15' bgs	
299-W11-92	B24181	4/21/2010	Characterization	105	105	>15' bgs	
299-W11-92	B24182	4/26/2010	Characterization	126	126	>15' bgs	
299-W11-92	B24180	4/21/2010	Characterization	87	87	>15' bgs	
299-W11-92	B24180	4/21/2010	Characterization	87	87	>15' bgs	
299-W11-92	B24181	4/21/2010	Characterization	105	105	>15' bgs	
299-W11-92	B24181	4/21/2010	Characterization	105	105	>15' bgs	
299-W11-92	B24182	4/26/2010	Characterization	126	126	>15' bgs	
299-W15-765	B14HT7	4/16/2002	Waste Management	220	228	>15' bgs	

Table A-18. Sample -Specific Information for Representative Waste Site 207-A South

Sample Location	Sample Number	Sample Collection Date	Collection Purpose	Top (ft)	Bottom (ft)	Depth Interval	Parameters Analyzed
C4113	B17HR9	9/3/2003	Characterization	1	2	0-15' bgs	% moisture, % solids, Am-241, ammonium ion, C-14, Cr(VI), cyanide, GEA, herbicides, I-129, IC anions, ICP metals, ICP/MS metals, isotopic Pu, Tc-99, isotopic Th, isotopic uranium, Ni-63, Np-237, oil and grease, PCBs, pesticides, pH, Sr-90, SVOA, TPH, VOA
C4113	B17HT0	9/3/2003	Characterization	2	3	0-15' bgs	
C4113	B17HT1	9/3/2003	Characterization	6	7	0-15' bgs	
C4113	B17J01	9/5/2003	Characterization	1	2	0-15' bgs	
C4113	B17J07	9/5/2003	Characterization	7	8	0-15' bgs	
C4113	B17HR8	9/10/2003	Characterization	12.5	13.5	0-15' bgs	
C4113	B17JM0	9/10/2003	Characterization	12.5	13.5	0-15' bgs	
C4113	B17HT2	9/10/2003	Characterization	12.5	13.5	0-15' bgs	
C4114	B17HX4	9/3/2003	Characterization	1	2	0-15' bgs	
C4114	B17HX5	9/3/2003	Characterization	2	3	0-15' bgs	
C4114	B17HX6	9/4/2003	Characterization	6	7	0-15' bgs	
C4114	B17HY3	9/10/2003	Characterization	12.5	13.5	0-15' bgs	
C4114	B17HX7	9/10/2003	Characterization	12.5	13.5	0-15' bgs	
C4115	B17HX8	9/3/2003	Characterization	1	2	0-15' bgs	
C4115	B17J02	9/3/2003	Characterization	1	2	0-15' bgs	
C4115	B17HX9	9/3/2003	Characterization	2	3	0-15' bgs	
C4115	B17HY4	9/4/2003	Characterization	6	7	0-15' bgs	
C4115	B17HY9	9/10/2003	Characterization	12.5	13.5	0-15' bgs	
C4115	B17HY5	9/10/2003	Characterization	12.5	13.5	0-15' bgs	
207-A-1	B32HP3	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-1	B32HP2	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-10	B32HT7	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-10	B32HT8	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-10	B32HT9	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-10	B32HT6	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-11	B32HV1	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-11	B32HV0	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-12	B32HV3	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-12	B32HV2	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-13	B32HV5	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-13	B32HV4	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-14	B32HT5	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-14	B32HT4	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-15	B32HV9	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-15	B32HW1	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-15	B32HV8	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-15	B32HW0	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-16	B32HW3	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-16	B32HW2	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-17	B32HW5	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-17	B32HW4	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-18	B32HW7	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-18	B32HW6	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-19	B32HW8	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-19	B32HW9	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-2	B32HP5	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-2	B32HP4	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-20	B32HY9	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-20	B32HY8	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-3	B32HP7	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-3	B32HP6	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-4	B32HP9	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-4	B32HP8	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-5	B32HR1	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-5	B32HR0	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-6	B32HR5	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-6	B32HR7	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-6	B32HR6	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-6	B32HR4	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-7	B32HR9	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-7	B32HR8	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-8	B32HT1	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-8	B32HT0	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-9	B32HT3	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-9	B32HT2	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 1	B32HX3	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 1	B32HX2	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 1	B32HX5	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 1	B32HX4	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 1	B32HX1	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 1	B32HX0	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 2	B32HX7	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 2	B32HX6	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 2	B32HY1	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 2	B32HY0	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 2	B32HX9	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 2	B32HX8	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 3	B32HY7	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 3	B32HY6	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 3	B32HY5	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 3	B32HY4	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 3	B32HY3	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-CELL 3	B32HY2	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-STOCKPILE	B32J16	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-STOCKPILE	B32J15	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-STOCKPILE	B32J14	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-STOCKPILE	B32J13	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-STOCKPILE	B32J12	11/12/2015	Characterization	0	6	0-15' bgs	
207-A-STOCKPILE	B32J11	11/12/2015	Characterization	0	6	0-15' bgs	
D074	S827942	6/3/2010	Routine (i.e., repetitive)	0	1	0-15' bgs	

Table A-19. Sample -Specific Information for Representative Waste Site 207-T

Sample Location	Sample Number	Sample Collection Date	Collection Purpose	Top (ft)	Bottom (ft)	Depth Interval	Parameters Analyzed
D018	S336968	5/10/2000	Routine	0	1	0-15' bgs	% moisture, Am-241, Cr(VI), cyanide, GEA, I-129, IC anions, ICP Metals, isotopic Pu, isotopic Th, isotopic uranium, mercury, pH, Sr-90, sulfide, SVOA, Tc-99, tritium, VOA
D018	S423810	5/16/2002	Routine	0	1	0-15' bgs	
D018	S609861	6/21/2004	Routine	0	1	0-15' bgs	
D018	S685043	5/22/2006	Routine	0	1	0-15' bgs	
D018	S755553	5/27/2008	Routine	0	1	0-15' bgs	
D018	S827914	5/27/2010	Routine	0	1	0-15' bgs	
D018	S976724	6/9/2016	Routine	0	1	0-15' bgs	
299-W11-39	B10F76	11/30/2000	Waste Management	10	10	0-15' bgs	
299-W11-39	B10F90	11/30/2000	Waste Management	10	14	0-15' bgs	
299-W11-39	B10F77	11/30/2000	Waste Management	14	20	0-15' bgs	
299-W11-41	B0YVX6	8/7/2000	Waste Management	5	5	0-15' bgs	
299-W11-41	B0YVX7	8/7/2000	Waste Management	15	15	0-15' bgs	
299-W11-41	B0YVX8	8/7/2000	Waste Management	5	15	0-15' bgs	
299-W11-40	B105V3	9/27/2000	Waste Management	5	7	0-15' bgs	
299-W11-40	B105W3	9/27/2000	Waste Management	5	15	0-15' bgs	
299-W11-40	B105V5	9/29/2000	Waste Management	7	15	0-15' bgs	
299-W11-50	B23WT6	3/30/2010	Characterization	85	85	>15' bgs	% moisture, Am-241, Cr(VI), cyanide, GEA, I-129, IC anions, ICP metals, isotopic Pu, isotopic Th, isotopic uranium, mercury, pH, Sr-90, sulfide, SVOA, Tc-99, tritium, uranium (total), VOA
299-W11-50	B23WT7	4/1/2010	Characterization	113	113	>15' bgs	
299-W11-50	B23WT8	4/1/2010	Characterization	128	128	>15' bgs	
299-W11-40	B105W4	9/29/2000	In Process	250	250	>15' bgs	
299-W11-39	B10F78	12/4/2000	Waste Management	242.5	242.5	>15' bgs	
299-W11-39	B10F91	12/4/2000	Waste Management	247.5	247.5	>15' bgs	
299-W11-39	B10F79	12/4/2000	Waste Management	252.5	252.5	>15' bgs	
299-W11-40	B105V4	9/27/2000	Waste Management	235	245	>15' bgs	
299-W11-40	B105V6	9/29/2000	Waste Management	259	259	>15' bgs	
299-W11-41	B0YVX9	8/11/2000	Waste Management	248	248	>15' bgs	
299-W11-41	B0YVY0	8/11/2000	Waste Management	262	264	>15' bgs	
299-W11-41	B0YVY1	8/11/2000	Waste Management	248	264	>15' bgs	
299-W11-41	B10Y95	11/20/2000	Waste Management	248	248	>15' bgs	
299-W11-41	B10Y96	11/20/2000	Waste Management	262	264	>15' bgs	

Table A-20. Sample -Specific Information for Representative Waste Site 216-A-34

Sample Location	Sample Number	Sample Collection Date	Collection Purpose	Top (ft)	Bottom (ft)	Depth Interval	Parameters Analyzed
C3245	B16RW4	4/4/2003	Characterization	0	0.5	0-15' bgs	% moisture, Am-241, ammonia, ammonium ion, C-14, Cr(IV), cyanide, herbicides, GEA, I-129, IC anions, ICP metals, ICP/MS metals, isotopic Pu, Tc-99, isotopic Th, isotopic uranium, pesticides, Ni-63, Np-237, oil and grease, particle size, pH, Sr-90, SVOA, TPH, tritium, VOA
C3245	B16RW5	4/4/2003	Characterization	14.5	17	0-15' bgs	
C3245	B16RX6	4/4/2003	Transportation	14.5	17	0-15' bgs	
C3245	B16RW6	4/4/2003	Characterization	17.5	20	>15' bgs	%moisture, Am-241, ammonium ion, C-14, Cr(VI), GEA, I-129, IC anions, ICP metals, ICP/MS metals, isotopic Pu, isotopic Th, isotopic uranium, Ni-63, Np-237, oil and grease, particle size, pH, Tc-99, TPH, tritium, Sr-90, SVOA, VOA
C3245	B16RW7	4/4/2003	Characterization	22.5	25	>15' bgs	
C3245	B16RW8	4/4/2003	Characterization	22.5	25	>15' bgs	
C3245	B16RX0	4/7/2003	Characterization	32.5	35	>15' bgs	
C3245	B16RX1	4/7/2003	Characterization	47.5	50	>15' bgs	
C3245	B16RX2	4/9/2003	Characterization	97.5	100	>15' bgs	
C3245	B16RX3	4/16/2003	Characterization	207.5	210	>15' bgs	
C3245	B16RX4	4/17/2003	Characterization	242.5	245	>15' bgs	
C3245	B16RX5	4/17/2003	Characterization	248	250	>15' bgs	
C3245	B16RX7	4/4/2003	Characterization	17.5	20	>15' bgs	
C3245	B16RX8	4/4/2003	Characterization	22.5	25	>15' bgs	
C3245	B16RX9	4/4/2003	Characterization	22.5	25	>15' bgs	
C3245	B16RY2	4/7/2003	Characterization	47.5	50	>15' bgs	
C3245	B16RY4	4/16/2003	Characterization	207.5	210	>15' bgs	
C3245	B16RY5	4/17/2003	Characterization	242.5	245	>15' bgs	
C3245	B16RY8	4/7/2003	Characterization	27.5	30	>15' bgs	
C3245	B16T00	4/17/2003	Characterization	242.5	242.5	>15' bgs	
C3245	B16T01	4/17/2003	Characterization	248	248	>15' bgs	
C3245	B16VV9	4/17/2003	Characterization	248	250.5	>15' bgs	
C3245	B16RW9	4/7/2003	Transportation	27.5	30	>15' bgs	
C3245	B16RY0	4/7/2003	Transportation	27.5	30	>15' bgs	
C3245	B16RY1	4/7/2003	Transportation	32.5	35	>15' bgs	
C3245	B16RY3	4/9/2003	Transportation	97.5	100	>15' bgs	
C3245	B16RY9	4/9/2003	Transportation	97.5	97.5	>15' bgs	

Table A-21. Sample -Specific Information for Representative Waste Site 200-E-64

Sample Location	Sample Number	Sample Collection Date	Collection Purpose	Top (ft)	Bottom (ft)	Depth Interval	Parameters Analyzed
C5942	B1TFN9	2/11/2008	Special Studies	4	6	0-15' bgs	Ammonium-ion, Am-241, IC anions, ICP/MS metals, GEA, isotopic Pu, isotopic Th, Isotopic uranium, Ni-63, Np-237, Sr-90, Tc-99, tritium
C5942	B1TFR1	2/11/2008	Special Studies	4	6	0-15' bgs	
C5942	B1TFP0	2/12/2008	Special Studies	12.5	14.5	0-15' bgs	
C5942	B1TFR2	2/12/2008	Special Studies	12.5	14.5	0-15' bgs	
299-E28-30	B23PW1	2/22/2010	Characterization	357.1	357.1	>15' bgs	% moisture, alkalinity, C-14, conductivity, Cr(VI), cyanide, GEA, gross alpha, gross beta, I-129, IC anions, ICP metals, ICP/MS metals, isotopic Pu, isotopic Ra, isotopic Th, isotopic uranium, mercury, Ni-63, Np-237, pH, PCBs, Sr-90, SVOA, Tc-99, TOC, TPH, tritium, VOA
299-E28-30	B23PV8	2/9/2010	Characterization	314.1	316.6	>15' bgs	
299-E28-30	B23PV9	2/9/2010	Characterization	314.1	316.6	>15' bgs	
299-E28-30	B23PW0	2/12/2010	Characterization	329.4	331.9	>15' bgs	
299-E28-30	B235H1	1/13/2010	Special Studies	0	82.6	>15' bgs	
299-E28-30	B235J0	1/14/2010	Special Studies	102.8	105.3	>15' bgs	
299-E28-30	B235J6	1/15/2010	Special Studies	120	120	>15' bgs	
299-E28-30	B235K1	1/19/2010	Special Studies	132	132	>15' bgs	
299-E28-30	B235K5	1/19/2010	Special Studies	142	142	>15' bgs	
299-E28-30	B235L9	1/25/2010	Special Studies	177	177	>15' bgs	
299-E28-30	B235N9	1/28/2010	Special Studies	227.5	227.5	>15' bgs	
299-E28-30	B235R2	2/1/2010	Special Studies	259.5	259.5	>15' bgs	
299-E28-30	B235R9	2/3/2010	Special Studies	278	278	>15' bgs	
299-E28-30	B235T8	2/8/2010	Special Studies	299.7	299.7	>15' bgs	
C5942	B1TFM9	2/13/2008	Special Studies	17	19.5	>15' bgs	
C5942	B1TFN0	2/13/2008	Special Studies	17	19.5	>15' bgs	
C5942	B1TFR3	2/13/2008	Special Studies	17	19.5	>15' bgs	
C5942	B1TFR4	2/13/2008	Special Studies	17	19.5	>15' bgs	
C5942	B1TFP1	2/13/2008	Special Studies	17	19.5	>15' bgs	
C5942	B1TFP2	2/13/2008	Special Studies	17	19.5	>15' bgs	
C5942	B1TFP7	2/13/2008	Special Studies	17	19.5	>15' bgs	
C5942	B1TFP8	2/13/2008	Special Studies	17	19.5	>15' bgs	
C5942	B1TFP3	2/14/2008	Special Studies	27.5	30	>15' bgs	
C5942	B1TFT2	2/14/2008	Special Studies	27.5	30	>15' bgs	
C5942	B1TFR9	2/14/2008	Special Studies	27.5	30	>15' bgs	
C5942	B1TFT0	2/14/2008	Special Studies	27.5	30	>15' bgs	
C5942	B1TFR5	2/14/2008	Special Studies	27.5	30	>15' bgs	
C5942	B1TFT1	2/14/2008	Special Studies	27.5	30	>15' bgs	
C5942	B1TFP4	2/19/2008	Special Studies	47.5	50	>15' bgs	
C5942	B1TFR6	2/19/2008	Special Studies	47.5	50	>15' bgs	

Table A-22. Sample -Specific Information for Representative Waste Site UPR-200-E-89

Sample Location	Sample Number	Sample Collection Date	Collection Purpose	Top (ft)	Bottom (ft)	Depth Interval	Parameters Analyzed
C8707	B320N6	7/21/2015	Characterization	0	2.5	0-15' bgs	% moisture, alkalinity, Am-241, ammonium ion, bulk density, C-14, conductivity, Cr(VI), cyanide, GEA, gross alpha, gross beta, I-129, IC anions, ICP metals, ICP/MS metals, isotopic Pu, isotopic Th, isotopic uranium, mercury, Ni-63, Np-237, pH, Se-79, Sr-90, SVOA, Tc-99, TPH, tritium, VOA
C8707	B320N7	7/21/2015	Characterization	0	2.5	0-15' bgs	
C8707	B320P2	7/21/2015	Characterization	5	6.5	0-15' bgs	
C8707	B320P3	7/21/2015	Characterization	5	6.5	0-15' bgs	
C8711	B320V6	7/16/2015	Characterization	0	2	0-15' bgs	
C8711	B320V7	7/16/2015	Characterization	0	2	0-15' bgs	
C9550	B320W0	10/1/2015	Characterization	8.2	10.7	0-15' bgs	
C8711	B320W3	7/16/2015	Characterization	10	13	0-15' bgs	
C8711	B320W4	7/16/2015	Characterization	10	13	0-15' bgs	
C8711	B320W8	7/16/2015	Characterization	10	13	0-15' bgs	
C8711	B320W9	7/16/2015	Characterization	10	13	0-15' bgs	
C9550	B32195	10/1/2015	Characterization	8.2	10.7	0-15' bgs	
C9549	B33122	10/6/2015	Characterization	7.2	9.7	0-15' bgs	
C9549	B33123	10/6/2015	Characterization	7.2	9.7	0-15' bgs	
C8706	B33B16	10/22/2015	Characterization	2	4.5	0-15' bgs	
C8706	B33B17	10/22/2015	Characterization	2	4.5	0-15' bgs	
C8706	B33B19	10/22/2015	Characterization	3.9	6.4	0-15' bgs	
C8706	B33B20	10/22/2015	Characterization	3.9	6.4	0-15' bgs	
C8706	B33B22	10/22/2015	Characterization	3.9	6.4	0-15' bgs	
C8706	B33B23	10/22/2015	Characterization	3.9	6.4	0-15' bgs	
C8706	B33B24	10/22/2015	Characterization	3.9	6.4	0-15' bgs	
C8706	B33B26	10/22/2015	Characterization	3.9	6.4	0-15' bgs	
C8706	B33B28	10/22/2015	Characterization	5.9	8.4	0-15' bgs	
C8706	B33B29	10/22/2015	Characterization	5.9	8.4	0-15' bgs	
C8706	B33B31	10/22/2015	Characterization	5.9	8.4	0-15' bgs	
299-E33-341	B1TP22	4/29/2008	Special Studies	15	15	0-15' bgs	
299-E33-341	B1TNT0	5/22/2008	Characterization	227.5	230	>15' bgs	%moisture, alkalinity, Am-241, ammonia, ammonium ion, C-14, conductivity, Cr(VI), cyanide, GEA, gross alpha, gross beta, I-129, IC anions, ICP metals, ICP/MS metals, isotopic Pu, isotopic Th, isotopic uranium, mercury, Ni-63, Np-237, particle size, pH, Se-79, Sr-90, SVOA, Tc-99, TOC, TPH, tritium, VOA
299-E33-341	B1TNT2	5/22/2008	Characterization	227.5	230	>15' bgs	
299-E33-341	B1TNT3	5/22/2008	Characterization	230	232.5	>15' bgs	
299-E33-341	B1TT53	5/22/2008	Characterization	230	232.5	>15' bgs	
C8132	B29J32	1/4/2011	Characterization	93	95	>15' bgs	
C8132	B29J32A	1/4/2011	Characterization	93	95	>15' bgs	
C8132	B29J32B	1/4/2011	Characterization	93	95	>15' bgs	
C8132	B29J32C	1/4/2011	Characterization	93	95	>15' bgs	
C8132	B29J33	1/5/2011	Characterization	121	123	>15' bgs	
C8132	B29J33A	1/5/2011	Characterization	121	123	>15' bgs	
C8132	B29J33C	1/5/2011	Characterization	121	123	>15' bgs	
C8132	B29J34	1/6/2011	Characterization	184	186	>15' bgs	
C8132	B29J34A	1/6/2011	Characterization	184	186	>15' bgs	
C8132	B29J34B	1/6/2011	Characterization	184	186	>15' bgs	
C8132	B29J34C	1/6/2011	Characterization	184	186	>15' bgs	
C8134	B29J35	3/11/2011	Characterization	57	59	>15' bgs	
C8134	B29J35A	3/11/2011	Characterization	57	59	>15' bgs	
C8134	B29J35B	3/11/2011	Characterization	57	59	>15' bgs	
C8134	B29J35C	3/11/2011	Characterization	57	59	>15' bgs	
C8134	B29J36	3/15/2011	Characterization	99	101	>15' bgs	
C8134	B29J36A	3/15/2011	Characterization	99	101	>15' bgs	
C8134	B29J36B	3/15/2011	Characterization	99	101	>15' bgs	
C8134	B29J36C	3/15/2011	Characterization	99	101	>15' bgs	
C8134	B29J37	3/16/2011	Characterization	165	167	>15' bgs	
C8134	B29J37A	3/16/2011	Characterization	165	167	>15' bgs	
C8134	B29J37B	3/16/2011	Characterization	165	167	>15' bgs	
C8134	B29J37C	3/16/2011	Characterization	165	167	>15' bgs	
C8136	B29J38	2/1/2011	Characterization	48	50	>15' bgs	
C8136	B29J38B	2/1/2011	Characterization	48	50	>15' bgs	
C8136	B29J38C	2/1/2011	Characterization	48	50	>15' bgs	
C8136	B29J39	2/2/2011	Characterization	98	100	>15' bgs	
C8136	B29J39A	2/2/2011	Characterization	98	100	>15' bgs	
C8136	B29J39B	2/2/2011	Characterization	98	100	>15' bgs	
C8136	B29J39C	2/2/2011	Characterization	98	100	>15' bgs	
C8136	B29J40	2/9/2011	Characterization	169	171	>15' bgs	
C8136	B29J40A	2/9/2011	Characterization	169	171	>15' bgs	
C8136	B29J40B	2/9/2011	Characterization	169	171	>15' bgs	
C8136	B29J40C	2/9/2011	Characterization	169	171	>15' bgs	
C8138	B29J41	3/23/2011	Characterization	47	49	>15' bgs	
C8138	B29J41A	3/23/2011	Characterization	47	49	>15' bgs	
C8138	B29J42	3/25/2011	Characterization	96	98	>15' bgs	
C8138	B29J42C	3/25/2011	Characterization	96	98	>15' bgs	
C8138	B29J43	3/28/2011	Characterization	163	165	>15' bgs	
C8138	B29J43A	3/28/2011	Characterization	163	165	>15' bgs	
C8138	B29J43B	3/28/2011	Characterization	163	165	>15' bgs	
C8138	B29J43C	3/28/2011	Characterization	163	165	>15' bgs	
C8140	B29J63	2/25/2011	Characterization	124	126	>15' bgs	
C8140	B29J63A	2/25/2011	Characterization	124	126	>15' bgs	
C8140	B29J63B	2/25/2011	Characterization	124	126	>15' bgs	
C8140	B29J63C	2/25/2011	Characterization	124	126	>15' bgs	
C8140	B29J64	3/2/2011	Characterization	170	172	>15' bgs	
C8140	B29J64A	3/2/2011	Characterization	170	172	>15' bgs	
C8140	B29J64B	3/2/2011	Characterization	170	172	>15' bgs	
C8140	B29J64C	3/2/2011	Characterization	170	172	>15' bgs	
C8140	B29J65	3/3/2011	Characterization	178.5	180.5	>15' bgs	
C8140	B29J65A	3/3/2011	Characterization	178.5	180.5	>15' bgs	
C8140	B29J65C	3/3/2011	Characterization	178.5	180.5	>15' bgs	
C8136	B2BDT0	2/10/2011	Characterization	186	188	>15' bgs	
C8136	B2BDT0A	2/10/2011	Characterization	186	188	>15' bgs	
C8136	B2BDT0B	2/10/2011	Characterization	186	188	>15' bgs	
C8138	B2BH80	3/30/2011	Characterization	175	177	>15' bgs	
C8138	B2BH80A	3/30/2011	Characterization	175	177	>15' bgs	
C8138	B2BH80C	3/30/2011	Characterization	175	177	>15' bgs	
C9548	B320P8	7/30/2015	Characterization	47.5	49.5	>15' bgs	
C9548	B320P9	7/30/2015	Characterization	47.5	49.5	>15' bgs	
C9548	B320R1	7/30/2015	Characterization	64.4	66.4	>15' bgs	
C9548	B320R2	7/30/2015	Characterization	64.4	66.4	>15' bgs	
C9548	B320R4	7/30/2015	Characterization	84.4	86.4	>15' bgs	
C9548	B320R5	7/30/2015	Characterization	84.4	86.4	>15' bgs	
C9550	B34T20	3/18/2016	Characterization	49.9	51.9	>15' bgs	
C9550	B34T21	3/18/2016	Characterization	49.9	51.9	>15' bgs	
C9550	B34T22	3/24/2016	Characterization	66.6	67.6	>15' bgs	
C9550	B34T23	3/24/2016	Characterization	66.6	67.6	>15' bgs	
C9550	B34T24	3/24/2016	Characterization	100.8	101.8	>15' bgs	%moisture, alkalinity, Am-241, ammonia, ammonium

Table A-22. Sample -Specific Information for Representative Waste Site UPR-200-E-89

Sample Location	Sample Number	Sample Collection Date	Collection Purpose	Top (ft)	Bottom (ft)	Depth Interval	Parameters Analyzed
C9550	B34T25	3/24/2016	Characterization	100.8	101.8	>15' bgs	ion, C-14, conductivity, Cr(VI), cyanide, GEA, gross alpha, gross beta, I-129, IC anions, ICP metals, ICP/MS metals, isotopic Pu, isotopic Th, isotopic uranium, mercury, Ni-63, Np-237, particle size, pH, Se-79, Sr-90, SVOA, Tc-99, TOC, TPH, tritium, VOA
C9550	B34T26	3/25/2016	Characterization	110.2	111.2	>15' bgs	
C9550	B34T27	3/25/2016	Characterization	110.2	111.2	>15' bgs	
C9550	B34T28	3/24/2016	Characterization	129.5	130.5	>15' bgs	
C9550	B34T29	3/24/2016	Characterization	129.5	130.5	>15' bgs	
C9550	B34T30	3/25/2016	Characterization	154	155	>15' bgs	
C9550	B34T31	3/25/2016	Characterization	154	155	>15' bgs	
C9550	B34T32	3/29/2016	Characterization	175.5	176.5	>15' bgs	
C9550	B34T33	3/29/2016	Characterization	175.5	176.5	>15' bgs	
C9550	B34T34	3/29/2016	Characterization	194	196	>15' bgs	
C9550	B34T35	3/29/2016	Characterization	194	196	>15' bgs	
C9549	B352W7	4/21/2016	Characterization	112.6	113.6	>15' bgs	
C9549	B352W8	4/21/2016	Characterization	112.6	113.6	>15' bgs	
C9549	B352W9	4/21/2016	Characterization	123.4	124.7	>15' bgs	
C9549	B352X0	4/21/2016	Characterization	123.4	124.7	>15' bgs	
C9549	B352X1	4/21/2016	Characterization	127.2	128.3	>15' bgs	
C9549	B352X2	4/21/2016	Characterization	127.2	128.3	>15' bgs	
C9549	B352X3	4/25/2016	Characterization	156.6	157.6	>15' bgs	
C9549	B352X4	4/25/2016	Characterization	156.6	157.6	>15' bgs	
C9549	B352X5	4/25/2016	Characterization	186.8	187.8	>15' bgs	
C9549	B352X6	4/25/2016	Characterization	186.8	187.8	>15' bgs	
C9549	B352X7	4/25/2016	Characterization	197.9	199.2	>15' bgs	
C9549	B352X8	4/25/2016	Characterization	197.9	199.2	>15' bgs	
C8706	B35N87	6/2/2016	Characterization	45.5	47	>15' bgs	
C8706	B35N88	6/2/2016	Characterization	45.5	47	>15' bgs	
C8706	B35N89	5/25/2016	Characterization	162.9	164.9	>15' bgs	
C8706	B35N90	5/25/2016	Characterization	162.9	164.9	>15' bgs	
C8706	B35N91	5/25/2016	Characterization	78	80.4	>15' bgs	
C8706	B35N92	5/25/2016	Characterization	78	80.4	>15' bgs	
C8706	B35N93	5/25/2016	Characterization	108.2	110.2	>15' bgs	
C8706	B35N94	5/25/2016	Characterization	108.2	110.2	>15' bgs	
C8706	B35N95	5/26/2016	Characterization	132.4	137.4	>15' bgs	
C8706	B35N96	5/26/2016	Characterization	132.4	137.4	>15' bgs	
C8706	B35N97	5/26/2016	Characterization	158.5	160.5	>15' bgs	
C8706	B35N98	5/26/2016	Characterization	158.5	160.5	>15' bgs	
C8706	B35N99	6/1/2016	Characterization	183.3	185.3	>15' bgs	
C8706	B35NB0	6/1/2016	Characterization	183.3	185.3	>15' bgs	
C8706	B35NB1	6/1/2016	Characterization	198.3	201.3	>15' bgs	
C8706	B35NB2	6/1/2016	Characterization	198.3	201.3	>15' bgs	
299-E33-341	B1TNV9	4/29/2008	Special Studies	37.5	37.5	>15' bgs	
299-E33-341	B1TNW0	4/30/2008	Special Studies	40	40	>15' bgs	
299-E33-341	B1TNW1	4/30/2008	Special Studies	42.5	42.5	>15' bgs	
299-E33-341	B1TNW3	4/30/2008	Special Studies	47.5	47.5	>15' bgs	
299-E33-341	B1TNW5	4/30/2008	Special Studies	52.5	52.5	>15' bgs	
299-E33-341	B1TNX1	5/16/2008	Special Studies	202.5	202.5	>15' bgs	
299-E33-341	B1TP23	4/29/2008	Special Studies	17	17	>15' bgs	
299-E33-341	B1TP24	4/29/2008	Special Studies	20	20	>15' bgs	
299-E33-341	B1TP26	4/29/2008	Special Studies	25	25	>15' bgs	
299-E33-341	B1TP28	4/29/2008	Special Studies	30	30	>15' bgs	
299-E33-341	B1TP29	4/29/2008	Special Studies	32.5	32.5	>15' bgs	
299-E33-341	B1TP30	4/29/2008	Special Studies	35	35	>15' bgs	
299-E33-341	B1TP35	4/30/2008	Special Studies	65	65	>15' bgs	
299-E33-341	B1TP40	5/1/2008	Special Studies	77.5	77.5	>15' bgs	
299-E33-341	B1TP42	5/1/2008	Special Studies	82.5	82.5	>15' bgs	
299-E33-341	B1TP43	5/1/2008	Special Studies	85	85	>15' bgs	
299-E33-341	B1TP45	5/1/2008	Special Studies	90	90	>15' bgs	
299-E33-341	B1TP47	5/1/2008	Special Studies	95	95	>15' bgs	
299-E33-341	B1TP49	5/1/2008	Special Studies	100	100	>15' bgs	
299-E33-341	B1TP51	5/8/2008	Special Studies	105	105	>15' bgs	
299-E33-341	B1TP52	5/8/2008	Special Studies	107.5	107.5	>15' bgs	
299-E33-341	B1TP53	5/8/2008	Special Studies	110	110	>15' bgs	
299-E33-341	B1TP55	5/8/2008	Special Studies	115	115	>15' bgs	
299-E33-341	B1TP59	5/9/2008	Special Studies	125	125	>15' bgs	
299-E33-341	B1TP61	5/9/2008	Special Studies	130	130	>15' bgs	
299-E33-341	B1TP62	5/9/2008	Special Studies	132.5	132.5	>15' bgs	
299-E33-341	B1TP64	5/9/2008	Special Studies	137.5	137.5	>15' bgs	
299-E33-341	B1TP67	5/9/2008	Special Studies	145	145	>15' bgs	
299-E33-341	B1TP69	5/9/2008	Special Studies	150	150	>15' bgs	
299-E33-341	B1TP71	5/12/2008	Special Studies	155	155	>15' bgs	
299-E33-341	B1TP77	5/13/2008	Special Studies	170	170	>15' bgs	
299-E33-341	B1TP78	5/13/2008	Special Studies	180	180	>15' bgs	
299-E33-341	B1TP82	5/13/2008	Special Studies	190	190	>15' bgs	
299-E33-341	B1TP84	5/16/2008	Special Studies	195	195	>15' bgs	
299-E33-341	B1TP86	5/16/2008	Special Studies	212.5	212.5	>15' bgs	
299-E33-341	B1TP89	5/20/2008	Special Studies	220	220	>15' bgs	
299-E33-341	B1TP91	5/20/2008	Special Studies	225	225	>15' bgs	
299-E33-341	B1TP93	5/22/2008	Special Studies	230	230	>15' bgs	
299-E33-341	B1TP94	5/22/2008	Special Studies	232.5	232.5	>15' bgs	

Table A-23. Sample -Specific Information for Representative Waste Site UPR-200-W-99

Sample Location	Sample Number	Sample Collection Date	Collection Purpose	Top (ft)	Bottom (ft)	Depth Interval	Parameters Analyzed
299-W14-15	B0YVY5	8/22/2000	Waste Management	5	5	0-15' bgs	% moisture, alkalinity, Am-241, ammonia, conductivity, C-14, Cr(VI), cyanide, GEA, gross alpha, gross beta, I-129, IC anions, ICP metals, ICP/MS metals, isotopic Pu, isotopic Th, isotopic uranium, mercury, Np-237, PCBs, pH, Sr-90, sulfide, SVOA, Tc-99, TPH, tritium, VOA
299-W14-15	B0YVY6	8/22/2000	Waste Management	6	10	0-15' bgs	
299-W14-15	B0YVY7	8/22/2000	Waste Management	5	10	0-15' bgs	
299-W14-19	B15VT5	10/28/2002	Waste Management	5	5	0-15' bgs	
299-W14-20	B20KP2	5/12/2009	Waste Management	10	10	0-15' bgs	
299-W14-20	B1YMN1	4/10/2009	Characterization	227.7	227.7	>15' bgs	% moisture, alkalkinity, Am-241, ammonia, C-14, conductivity, Cr(VI), cyanide, GEA, gross alpha, gross beta, I-129, IC anions, ICP metals, ICP/MS metals, isotopic Pu, isotopic Th, isotopic uranium, mercury, Ni-63, Np-237, PCBs, pH, Sr-90, sulfide, SVOA, Tc-99, TOC, TPH, tritium, uranium (total), VOA
299-W14-20	B1YD16	4/10/2009	Characterization	227.65	227.65	>15' bgs	
299-W14-20	B1YD14	3/26/2009	Characterization	90	92.5	>15' bgs	
299-W14-20	B1YD15	4/6/2009	Characterization	217.7	218.7	>15' bgs	
299-W14-20	B1YMB9	3/26/2009	Characterization	95	95	>15' bgs	
299-W14-20	B1YMC0	3/26/2009	Characterization	100	100	>15' bgs	
299-W14-20	B1YMC1	3/26/2009	Characterization	105	105	>15' bgs	
299-W14-20	B1YMC2	3/26/2009	Characterization	110	110	>15' bgs	
299-W14-20	B1YMC3	3/27/2009	Characterization	115	115	>15' bgs	
299-W14-20	B1YMC4	3/27/2009	Characterization	120	120	>15' bgs	
299-W14-20	B1YMC5	3/27/2009	Characterization	125	125	>15' bgs	
299-W14-20	B1YMC6	3/27/2009	Characterization	130	130	>15' bgs	
299-W14-20	B1YMM9	3/26/2009	Characterization	90	92.5	>15' bgs	
299-W14-20	B1YMN0	4/6/2009	Characterization	217.7	218.7	>15' bgs	
299-W14-20	B1YM90	3/26/2009	Special Studies	95	95	>15' bgs	
299-W14-20	B1YM92	4/10/2009	Special Studies	227.65	227.65	>15' bgs	
299-W14-20	B1YM91	4/6/2009	Special Studies	217.7	218.7	>15' bgs	
299-W14-20	B1YM93	4/15/2009	Special Studies	249	250.5	>15' bgs	
299-W14-20	B1YM97	6/26/2009	Special Studies	308	310	>15' bgs	
299-W14-15	B0YVY8	8/28/2000	Waste Management	222	225	>15' bgs	
299-W14-15	B0YVY9	8/28/2000	Waste Management	236	238	>15' bgs	
299-W14-15	B0YW00	8/28/2000	Waste Management	222	238	>15' bgs	
299-W14-15	B10Y93	11/20/2000	Waste Management	236	238	>15' bgs	
299-W14-19	B15VT4	10/28/2002	Waste Management	30	30	>15' bgs	

Appendix B

Screening Level Ecological Risk Assessment Example Result with Hand Calculations

Verification Calculation related to Nonradiological COPCs

For nonradiological COPCs, the HQ is quantified using the following equation:

$$HQ = \frac{Sample\ Specific\ Measured\ Soil\ Concentration}{Receptor - Specific\ Ecological\ Screening\ value\ (ESV)}$$

Information Related to Verification Calculation:

Representative Waste Site = 200-E-115;
Borehole Location = C7680;
Sample Number = B26C28;
COPC = Selenium;
Measured Soil Concentration for selenium = 965 µg/kg

Verifying the HQs for the following ecological receptors – (1) Plant; (2) Soil Invertebrates; (3) Deer Mouse; and (4) Badger.

Table 1: Verification Calculation for Nonradiological COPCs

Ecological Receptors	ESV (µg/kg)	Verification Calculation: HQ	Results (Table 10 of ECF)	Comments
Plants	780	965/780 = 1.237	1.2	Excepting for rounding issue, the verification calculations and results within ECF are the same.
Soil Invertebrates	4000	965/4000 = 0.241	2.41E-1	
Deer Mouse	960	965/960 = 1.005	1.01	
Badger	5900	965/5900 = 0.1636	1.64E-1	

Verification Calculation related to Radiological COPCs

For radiological COPCs, the SOF is quantified using the following equation:

$$SOF = \sum HQ_{Radionuclide\ COPC}$$

Information Related to Verification Calculation:

Representative Waste Site = UPR-200-E-64;
Borehole Location = C5942;
Sample Number = B1TFP0;
COPC = Am-241, Cs-137, Eu-154, Pu-238, Pu-239/240 and U-233/234

Verifying the $HQ_{Radiological\ COPCs}$ and SOF_{B1TRP0} for Plant:

Table 2: Verification Calculation for Radiological COPCs

COPCs	Conc (pCi/g)	ESVs (pCi/g)	Calculated HQ	Calculated SOF	HQs (Table 11 of ECF)	SOF (Table 11 of ECF)	Comments
Am-241	8.93	21,500	4.15E-4	1.282E0	4.15E-04	1.28E0	Excepting for rounding issue, the verification calculations and results within ECF are the same
Cs-137	2,831.04	2,210	1.281E0		1.3		
Eu-154	1.57	12,500	1.258E-4		1.26E-04		
Pu-238	0.237	17,500	1.353E-5		3.88E-05		
Pu-239/240	0.73	12,700	5.746E-5		1.35E-05		
U-233/U-234	2	51,600	3.876E-5		5.75E-05		

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