TA-16

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Date: January 28, 2004
Refer to: ER2004-0040

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JAN 2004

Mr. John Young, Corrective Action Project Leader
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NMED – Hazardous Waste Bureau
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SUBJECT: SUBMITTAL OF RESPONSE TO NOTICE OF DEFICIENCY (NOD) PHASE III RFI REPORT FOR SOLID WASTE MANAGEMENT UNIT (SWMU) 16-021(c)-99, LOS ALAMOS NATIONAL LABORATORY (LANL), NM0890010515, HWB-LANL-03-011

Dear Mr. Young:

Enclosed are two copies of the (LANL) Risk Reduction and Environmental Stewardship-Remediation Services (RRES-RS) Project's Response to your NOD for the Phase III RFI Report for SWMU 16-021(c)-99. The Department of Energy Los Alamos Site Operations Office received the NOD on December 29, 2003, and the RS Project office received the NOD on January 13, 2004.

If you have any questions, please contact Donald Hickmott (505) 665-1116 or David Gregory at (505) 667-5808.

Sincerely,

David McInroy, Deputy Project Director
Remediation Services
Los Alamos National Laboratory

Sincerely,

David Gregory, Federal Project Director
Department of Energy
Los Alamos Site Operations

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Enclosure: Response to NOD (ER2004-0039)
Certification

6468

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CERTIFICATION

CERTIFICATION BY THE RISK REDUCTION AND ENVIRONMENTAL STEWARDSHIP-REMEDIATION SERVICES (RRES-RS) PROJECT TECHNICAL REPRESENTATIVES

Document Title: **SUBMITTAL OF RESPONSE TO NOTICE OF DEFICIENCY (NOD) PHASE III RFI REPORT FOR SOLID WASTE MANAGEMENT UNIT (SWMU) 16-021 (c)-99, LOS ALAMOS NATIONAL LABORATORY (LANL), NM0890010515, HWB-LANL-03-011**

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

Name: _____ Date: 1/27/04

David McInroy, Deputy Project Director
Remediation Services
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or

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Beverly A. Ramsey, Division Leader
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David Gregory, Project Manager
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LA-UR-04-0480
January 2004
ER2004-0039

Response to Notice of Deficiency for "Phase III RFI Report for SWMU 16-021(c)-99"

CD included with this document

Los Alamos
NATIONAL LABORATORY
Los Alamos NM 87545

Disclaimer

This document contains data regarding radioactive wastes, the management of which is regulated under the Atomic Energy Act and specifically excluded from regulation under the Resource Conservation and Recovery Act and the New Mexico Hazardous Waste Act. These data are provided to the New Mexico Environment Department for information purposes only.

Produced by the
Risk Reduction and Environmental Stewardship Division–Remediation Program

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LA-UR-04-0480
ER2004-0039

Response to Notice of Deficiency (NOD) Phase III RFI Report for Solid Waste Management Unit (SWMU) 16-021(c)-99

January 2004

Responsible team leader:

Printed Name	Signature	Title	Organization	Date
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Responsible UC representative:

Printed Name	Signature	Title	Organization	Date
David McInroy		Deputy Project Director	RRES-RS	1/28/04

Responsible DOE representative:

Printed Name	Signature	Title	Organization	Date
David Gregory		Federal Project Director	DOE-LASO	

RESPONSE TO NOTICE OF DEFICIENCY (NOD)
FOR THE
PHASE III RCRA FACILITY INVESTIGATION (RFI) REPORT
SOLID WASTE MANAGEMENT UNIT (SWMU) 16-021(c)-99

This submittal is the response by Los Alamos National Laboratory (LANL) to the *"Notice of Deficiency, Phase III RFI Report for Solid Waste Management Unit 16-021(c)-99, Los Alamos National Laboratory (LANL), NM0890010515, HWB-LANL-03-011",* issued by the New Mexico Environment Department (NMED) Hazardous Waste Bureau on December 23, 2003. The Phase III RFI Report, LA-UR-03-5248, was submitted by LANL to NMED in September 2003.

This response is organized similarly to the NMED's NOD. The comments are divided into general and specific categories in Attachment I and Attachment II as presented in the NOD. LANL's original statement from the RFI report text is provided, where applicable, to facilitate review of this response, and the NMED's NOD comments are included verbatim. LANL's response follows each NMED comment.

The majority of the NMED comments contained in the NOD relate to the human health baseline risk analyses performed for Cañon de Valle and the chemicals of potential concern (COPC) concentration comparison for Martin Spring Canyon. Based upon screening and risk methodology revisions requested by the NMED in the NOD and agreed upon by LANL in this NOD response, the risk analyses for Cañon de Valle have been revised. In addition, a baseline risk analysis (as opposed to a maximum concentration comparison) has been performed for Martin Spring Canyon. The revised COPC screening tables and risk analyses are provided in the attached addenda. A summary comparing the results of these risk analyses is provided below in Table 1.

Table 1
Comparison of Risk Analyses

Location	Phase III RFI Report Risk Analyses (September 2003)				
	Cañon de Valle Source Area			Cañon de Valle Alluvial Area	Martin Spring Canyon
Receptor	Environmental Worker	Trail User	Construction Worker	Trail User	Trail User
Total CTE ILCR	9E-07	4E-07	6E-07	2E-07	Not provided
Total RME ILCR	3E-05	9E-06	3E-06	3E-06	Not provided
Total CTE HI	6E-02	3E-02	4E-01	1E-02	Not provided
Total RME HI	5E-01	2E-01	2E+00	1E-01	Not provided
Location	Revised Risk Analyses (This LANL NOD Response; January 2004)				
	Cañon de Valle Source Area			Cañon de Valle Alluvial Area	Martin Spring Canyon
Receptor	Environmental Worker	Trail User	Construction Worker	Trail User	Trail User
Total CTE ILCR	8E-07	4E-07	5E-07	6E-07	8E-07
Total RME ILCR	3E-05	1E-05	4E-06	2E-05	3E-05
Total CTE HI	6E-02	3E-02	3E-01	7E-03	1E-02
Total RME HI	8E-01	3E-01	2E+00	6E-02	1E-01

CTE = Central Tendency Estimate
ILCR = Incremental Lifetime Cancer Risk
HI = Hazard Index
RME = Reasonable Maximum Exposure

Because the NMED comments focused on the COPC screening methodology, significant revisions to all RFI report text will be required. Where the NMED comments were of limited scope, suggested text revisions have been provided in the LANL response. In cases where the NMED comment affects multiple text passages and/or appendices, LANL will submit the revised text to the NMED pending approval of this NOD response. Some NMED comments have required revisions to existing tables and figures, submittal of new supplemental tables or figures, or submittal of other supplementary documentation (i.e., Ecorisk database version history). These submittals are contained in referenced addenda provided with this NOD

response. Tables with revisions are indicated by the word “Revised” in the table title and shading to indicate changes from the last published version. Figures with revisions are indicated by the word “Revised” in the figure caption. This NOD response, including addenda, is provided electronically on the enclosed compact disc at the end of the document.

ATTACHMENT 1

General Comments:

1. *The geochemical evaluation that LANL conducted comparing naturally occurring concentrations of inorganic chemicals was performed for alluvial groundwater, surface water, and spring water due to the lack of an appropriate background data set. The data used in the analyses are the same data used to assess parameters such as extent of contamination and rate of contaminant migration as part of this RFI. The data were collected from areas of known contamination downgradient from known contaminant sources. RAGS guidance considers appropriate background data as data collected from areas that are not influenced or potentially influenced by site contamination. The concentrations that LANL determined were naturally occurring for several elements are not derived from uncontaminated samples. The elements should not have been eliminated from further risk consideration based on this reason alone. For example, silver was eliminated from further consideration in Cañon de Valle surface water when 1) the data is collected downgradient from a known source of silver contamination (SWMU 16-020, also known as the “silver outfall”) and 2) detected silver concentrations in surface water exceed the NMWQCC groundwater standard, and the EPA MCL. LANL shall revise its human health risk assessment to include these elements.*

LANL Response:
LANL has removed the geochemical evaluation for inorganic chemicals in alluvial groundwater, surface water, and spring water (Appendix I-2) from the screening methodology presented in Section 1.5 of the RFI Report. The revised summaries of retained and eliminated COPCs for these media are provided in Tables 3.4-3, 3.4-12, 3.4-21, 3.4-27, 3.4-44, 4.4-3, 4.4-12, and 4.4-24 contained in Addendum-Section 3 and Addendum-Section 4. Inasmuch as this methodology has been approved by the U.S. Environmental Protection Agency (EPA) in other Region 6 documents, LANL would appreciate the opportunity to present this geochemical evaluation methodology to the NMED for consideration in future LANL investigations.

2. *The Executive Summary of the report implies that there are no radionuclides of concern at the site. However, the risk assessment includes several radionuclides in its analyses. The Executive Summary and discussion of the nature and extent of contamination must be revised to address the potential radiological constituents of concern.*

LANL Response:
This response includes information on radioactive materials which is provided to the NMED for informational purposes only. The Executive Summary will be expanded to include the radionuclides of concern and corresponding results of the risk assessment. Suggested text to be added:

> The potential dose from radionuclides of concern (Americium-241 and Ruthenium-106) in surface water was calculated using the residual radioactive material (RESRAD) version 6.21 computer code, as developed by Argonne National Laboratory for the U.S. Department of Energy. The default RESRAD exposure parameters were used assuming surface water was the primary drinking water source (pathways evaluated include ingestion, inhalation, and external gamma exposure). The resulting total dose was 0.000003 millirem per year (mrem/yr). These doses are minimal, and well below the dose of 15 mrem/yr U.S. Department of Energy-Albuquerque Office guideline (DOE-AL 2000, 67153).

Specific Comments:

1. Executive Summary (Ecological Risk – Cañon de Valle), pg. vi:

LANL Statement: *"The ecological assessment of the aquatic system in the canyon found some differences between benthic macro-invertebrates in Cañon de Valle and reference canyons, though these results were not replicated in a subsequent toxicity test, indicating high variability in the contaminant signatures for this sediment. The toxicity testing for Cañon de Valle shows potential impacts relative to the reference site in Starmer's Gulch, although the sediment is heterogeneous with regard to potential toxic effects. In Cañon de Valle, a viable benthic macro-invertebrate community is present, which is a meaningful indicator that site contaminants cause negligible ecological effects."*

NMED Comment: *The results from toxicity data collected in Cañon de Valle near SWSC cut indicated that high concentrations of RDX and silver in sediment were probably impacting the system. The results could not be replicated due to many possible factors including drought conditions, laboratory problems, or localized "hot spots" of concentrations. Based on these toxicity data and the heterogeneity of these contaminants, LANL should propose "hot spot" removal near SWSC cut as part of the reduction in overall risk.*

LANL Response:
Discussion of proposed "hot spot" removal will be provided in either an addendum to the Corrective Measures Study (CMS) report or in response to comments following NMED review of the CMS report which was submitted in November 2003.

2. Section 1.3.1 Source Area Investigation, pg. 1-12, paragraph 4:

LANL Statement: *"However, thin surge bed deposits were reported in BH 16-06370, drilled into the center of the former settling pond during the IM (see section 1.3.4 of the IM report)".*

NMED Comment: *Section 1.3.4 does not exist in the referenced report. LANL shall correct the reference or provide the details of the drilling as part of this response.*

LANL Response:
The correct reference is Section 4.3.4.2, Table 4.3-6. The text will be revised pending NMED approval of this NOD response.

3. Section 1.5 COPC Screening Methodology for Human Health Risk, pg. 1-17, paragraph 2:

LANL Statement: *"Additionally, calcium, sodium, magnesium, potassium, and iron are essential nutrients and are eliminated from human health risk assessment."*

NMED Comment: *While studies have indicated that calcium, sodium, and potassium are relatively non-toxic, studies have also shown there to be an upper intake limit for iron and magnesium. The United States Department of Agriculture Food Safety and Inspection Service and the National Academy of Science Food and Nutrition Board have developed upper intake levels (ULs), which should be applied in determining a soil screening level (SSL) that, in turn, should be used in assessing essential nutrients toxicity. If site concentrations of iron and magnesium are below this SSL, then they may be eliminated from further consideration in the risk assessment. LANL shall revise the report accordingly.*

LANL Response:
Iron is now retained in the screening process for all media as shown in the revised screening tables provided in the enclosed Addenda for Section 2, Section 3, and Section 4. Iron is subsequently evaluated in the risk assessment based on the NMED soil screening level using the oral reference dose (RfDo) of

3E-01 milligrams per kilogram per day (mg/kg/d). Currently there is no human health toxicity factor for magnesium, and therefore, magnesium is still evaluated as an essential nutrient**.** Magnesium is listed in the EPA's Risk Assessment Guidance for Superfund (RAGS) as an essential nutrient and was detected above background in a single tuff sample. As stated in RAGS, "Chemicals that are (1) essential nutrients, (2) present at low concentrations (i.e., only slightly elevated above naturally occurring levels), and (3) toxic only at very high doses (i.e., much higher than those that could be associated with contact at the site) need not be considered further in the quantitative risk assessment." Later, RAGS states "…only essential nutrients present at low concentrations (i.e., only slightly elevated above background) should be eliminated to help ensure that chemicals present at potentially toxic concentrations are evaluated in the quantitative risk assessment."

4. Section 1.5.1 Frequency of Detection, pg. 1-18, paragraph 3:

LANL Statement: *"In addition, most chemicals that were analyzed for a particular medium in more than 20 samples, but reported or detected in less than 5% of the samples, also are eliminated. Based on RAGS guidance these chemicals may be considered data sampling artifacts that do not represent the site's true conditions (EPA 1989, 08021)."*

NMED Comment: *Based on RAGS guidance, any detection frequency used should be approved prior to using it as part of a screening. If LANL is going to use the RAGS guidance in its risk assessment process, LANL shall obtain approval from NMED prior to using a specific detection frequency at a specific site.*

LANL Response:
The use of the 5% detection rule is standard risk assessment practice in accordance with RAGS (EPA 1989, 08021). The 5% detection rule has been used in several LANL risk assessment documents in the last few years and was approved by the NMED for the RFI report for Material Disposal Area H (MDA H) at TA-54 (LA-UR-01-1208, May 2001). Thus, LANL believed that the use of the 5% detection rule was acceptable to NMED as standard practice. In addition, no chemical, regardless of frequency of detection, was eliminated from the risk assessment if it was detected or had detection limits above a screening level. Therefore, the elimination of chemicals based on less than 5% detection does not change the results of the risk assessment. LANL will formally request programmatic use of the 5% detection rule from the NMED subsequent to this NOD response.

5. Figure 1.5-2 COPC Screening Methodology for Water, pg. 1-20 and Section 1.5.3 Comparison to Regulatory Standards (Water Only), pg. 1-21:

NMED Comment: *The flow diagram and the text indicate that NMWQCC standards and/or MCLs will be used as the primary screening values to determine whether a chemical should be carried forward in the risk assessment. However, the NMWQCC standards and MCLs are not solely risk-based numbers, but also incorporate technology limitations and, as such, comparison of site data to these numbers will not provide an indication of whether there is acceptable risk. The use of these values may be helpful as a tool, if no risk-based screening numbers are available or for assessing remediation alternatives, but should not be used to select COPCs for use in a baseline risk assessment. Rather, the selection of COPCs for water should primarily be based upon comparison to the EPA residential tap water screening levels (either Region 6 or Region 9), as noted on the left side of the flow diagram. If there are no tap water screening levels available, and toxicological data are not available to support the derivation of the tap water screening values, then the NMWQCC and/or MCL may be appropriate for use. LANL shall revise the diagram and the selection of COPCs accordingly.*

LANL Response:
Figures 1.5-1 and 1.5-2 have been revised to reflect the use of EPA Region 6 (or Region 9) residential tap water screening levels as the primary screening tool. These revised figures are contained in the Addendum-Section 1. All screening tables for Sections 3 and 4 have been revised to reflect this change.

These tables are contained in Addendum-Section 3 and Addendum-Section 4. The text in Section 1.5 will be revised pending NMED approval of this NOD response.

6. Section 1.5.3 Comparison to Regulatory Standards (Water Only), pg. 1-21, paragraph 3:

LANL Statement: *"SW standards derived for the protection of human health and fisheries are also not applicable to Cañon de Valle and Martin Spring Canyon surface water because the morphology of the stream does not allow water to pool. Therefore no habitat exists to support fish in these systems and human consumption of SW is unreasonable for the canyon systems."*

NMED Comment: *Currently, surface water standards for persistent chemicals that were derived for the protection of human health apply to all tributaries of surface water throughout the state to protect downstream habitats, regardless of whether or not fish exist or the habitat for fish exists. LANL shall revise this report to use these standards for comparison to determine potential impacts to the surface water in these canyon systems.*

LANL Response:
The New Mexico Water Quality Control Commission (NMWQCC) regulations regarding surface water standards for human health and aquatic life (acute) have been added to all COPC screening tables contained in Section 3 and Section 4 for all surface water (including springs which contribute to surface water). The revised tables are provided in the enclosed Addendum-Sections 3 and Addendum-Section 4. The methodology requested by this NOD requires that the EPA Region 6 (or Region 9) residential tap water screening levels take precedent over other standards. As a result, the NMWQCC regulations surface water standards are only utilized for tritium (because there is no EPA Region 6 screening level), and in all cases, the tritium activity was below this surface water standard screening level.

In addition, LANL has requested review of the applicability of the surface water standards for persistent chemicals/human health before the New Mexico Court of Appeals. The New Mexico appellate courts will ultimately decide this issue.

7. Section 1.5.3 Comparison to Regulatory Standards (Water Only), pg.1-22, paragraph 1:

LANL Statement: *"Chemicals for which there is neither a regulatory standard nor a PRG are retained as COPCs and subsequently evaluated in the human health and ecological risk assessments or, if one is available and appropriate, a surrogate chemical is assigned."*

NMED Comment: *The list of surrogate chemicals provided by LANL for use at this site is acceptable with the following exceptions:*

- *The suggested surrogate for acenaphthylene is pyrene.*
- *The suggested surrogate for phenanthrene is pyrene.*
- *The suggested surrogate for endosulfan sulfate is endrin.*
- *The suggested surrogate for 2-nitrophenol is 2-chlorophenol.*

LANL shall revise this report to include the suggested surrogates.

LANL Response:
None of these chemicals are COPCs for these risk analyses. There were no detections of acenaphthylene or 2-nitrophenol in any media. Phenanthrene was detected only in Martin Spring Canyon sediment at a concentration below the screening action level (SAL), therefore it was not carried through the risk analysis. Endosulfan sulfate was never analyzed for in any sample media.

8. *Table 3.3-1 Summary of Annual Sampling and Analysis of Surface Water in Cañon de Valle and Martin Spring Canyon, pg. 3-9:*

NMED Comment: *LANL shall explain why only a portion of the Cañon de Valle surface water samples were analyzed for HE, nitrate/nitrite, anions, perchlorate, and alkalinity. LANL shall describe how many samples were analyzed for each of the analytes listed above.*

LANL Response:
Samples collected for laboratory analyses were analyzed for high explosives (HE), metals (not listed in the NMED comment above), nitrate/nitrite, anions, perchlorate, and alkalinity in accordance with the approved Sampling and Analysis Plan (SAP) (LANL 1998, 62413.3; LANL, 64873.3; LANL 2003, 75986.2). In the SAP and the Phase III RFI report, the samples analyzed are presented as a subset of the total number of samples collected. Perchlorate sampling began in March 2000. The summary of all analyses requested for surface water was provided in Appendix G, Table G-1.1 of the Phase III RFI report. A summary of the samples analyzed for HE, metals nitrate/nitrite, anions, perchlorate, and alkalinity is provided below in Table 2.

Table 2
Summary of Laboratory Analyses for
HE, Metals, Nitrate/Nitrite, Anions, Perchlorate, and Alkalinity

Analyte	Number of Unfiltered Samples	Number of Filtered Samples
High Explosives	87	9
Metals	86	73
Nitrate/Nitrite	72	9
Anions	23	9
Perchlorate	50	0
Alkalinity	71	9

9. *Section 3.4.2.1.1 Cañon de Valle Surface Water: Evaluation of Inorganic Chemicals, pg. 3-27, paragraph 1:*

LANL Statement: *"This section includes the frequency of detected inorganic chemicals (Table 3.4-1); the screening results for inorganic chemicals that exceed the NMWQCC regulations numeric standard or other appropriate standard (Table 3.4-2); and the inorganic chemicals retained and eliminated as COPCs (Table 3.4-3)."*

NMED Comment: *In addition to these standards, LANL should be using the acute aquatic life standards (20.6.4 NMAC). LANL shall revise the report accordingly.*

LANL Response:
LANL has revised the screening tables for surface water (and springs which contribute to surface water) to include a comparison to the NMWQCC regulations surface water aquatic life standards (acute). The revised tables include 3.4-2., 3.4-20, 4.4-2, and 4.4-11. These tables are provided in the enclosed Addendum-Section 3 and Addendum-Section 4. The text in these sections will be revised pending NMED approval of the NOD response.

10. *Table 3.4-2 Screening of Inorganic Chemicals Detected in Cañon de Valle Surface Water Samples, pg, 3-30:*

NMED Comment: *The table provides a column for EPA Region 6 tap water preliminary remediation goals (PRGs); however, for most chemicals, Region 6 PRGs were deemed "not applicable". It appears that the PRGs were only presented on the table if the NMWQCC and/or MCLs were not available. As noted in a*

previous comment (see Specific Comment #5), the PRGs should be the primary screening level used in determining COPCs for use in a risk assessment. Thus, the Region 6 tap water PRGs should be listed in the table. According to the protocol outlined in Section 1.5 of this report, if Region 6 PRGs are not available, Region 9 tap water PRGs would be used. It is noted that for arsenic (both maximum detected and maximum undetected values) and the maximum detected iron, were eliminated from further evaluation based upon the comparison to the MCL; however, the reported chemical concentrations were above the Region 9 tap water PRGs. Therefore, arsenic and iron should have been retained as COPCs. LANL shall revise the table to include all available Region 6 tap water PRGs and Region 9 tap water PRGs for those chemicals without an associated Region 6 value and modify the list of COPCs and risk calculations accordingly.

LANL Response:
See response to Attachment 1, Comment 5. Arsenic and iron are currently retained in Table 3.4-2 based upon the revised methodology requested by the NMED in this NOD. The revised Table 3.4-2 is provided in Addendum-Section 3. Arsenic and iron have been evaluated in the revised risk analyses.

11. Table 3.4-3 Retained and Eliminated Inorganic Chemicals in Cañon de Valle Surface Water Samples, pg. 3-32:

NMED Comment: *LANL shall explain why silver is retained as a COPC even though it was determined that "the concentrations are within the naturally-occurring concentration range" and other chemicals were eliminated for the same reason.*

LANL Response:
This was an error on Table 3.4-3 as submitted in the RFI report. However, the methodology requested by the NMED in this NOD eliminates the geochemical evaluation and silver is now retained as a COPC because the maximum detection limit exceeds the EPA Region 6 residential tap water screening level.

12. Table 3.4-5, Screening of Organic Chemicals Detected in Cañon de Valle Surface Water Samples, page 3-35:

NMED Comment: *Similar to Specific Comment #10, Region 6 tap water PRGs were, for the most part, not provided and Region 9 tap water PRGs were not included in the table for those chemicals without an associated Region 6 tap water PRG. The maximum undetected values of naphthalene, tetrachloroethene and trichloroethene exceeded their respective Region 9 tap water PRGs. While tetrachloroethene and trichloroethene were retained for further analysis, naphthalene was eliminated from consideration. Even though the justification for eliminating naphthalene was due to infrequent detections, the fact that naphthalene was detected above acceptable risk levels and that other PAHs have been selected as COPCs in other media is sufficient justification to retain naphthalene for additional analysis. Additionally, consistent methodology should be followed: other infrequently detected constituents exceeding screening limits were retained as COPCs (i.e., methylene chloride and nitroglycerine). LANL shall revise the table to include all Region 6 tap water PRGs, and Region 9 tap water PRGs for those chemicals without an associated Region 6 value, and modify the list of COPCs and risk calculations accordingly.*

LANL Response:
See response to Attachment 1, Comment 5. The screening process was not inconsistent. As stated in Section 1.5, the infrequently detected compounds were retained if the maximum detection limit exceeded the screening level. Naphthalene was below the previous NMWQCC regulations screening criteria, but is now be retained based upon use of the EPA Region 6 residential tap water screening level.

13. Section 3.4.2.5.3 Martin Spring Canyon Alluvium, Sediment and Tuff: Evaluation of Inorganic Chemicals, pg. 3-84:

NMED Comment: *LANL shall describe the distinction (and the significance of the distinction) between the alluvium and sediment media and explain why there is no distinction made in Cañon de Valle. The background value used is the same for both alluvium and sediment.*

LANL Response:
The distinction between sediment and alluvium in Martin Spring Canyon and conversely, the lack of distinction between these media in Cañon de Valle is an artifact of the sample collectors' identification of the media and assignment of the respective media codes for the database. As reflected in LANL's background values, these media names are interchangeable with respect to environmental data. The text will be clarified pending NMED approval of this NOD response.

14. Table 3.4-44 Table of Retained COPCs for Cañon de Valle and Martin Spring Canyon, pg. 3-110:

NMED Comment: *Cyanide was detected above the WQCC standard (5.2 ppb) for wildlife habitat during the Phase II RFI and in several of those instances the detection limits were above the standard or background level (soil and tuff). Cyanide is also considered a potential contaminant of concern following the Cerro Grande Fire. LANL shall explain why most of the samples were not analyzed for cyanide.*

LANL Response:
Cyanide analyses have not been routinely performed due to the lack of detections in surface water. Prior to 1998, 25 samples were analyzed for cyanide (31 analyses, 6 of which were filtered). Cyanide was reported at 10 micrograms per liter (µg/L) in only one sample (at the detection limit). Cyanide was analyzed for in three of the Phase III RFI surface water samples (both filtered and unfiltered aliquots). Cyanide was not detected in any of the Phase III RFI analyses at a detection limit of 10 (µg/L).

However, all 37 surface water analyses (31 pre-1998and 6 Phase III RFI) for cyanide were evaluated in the risk analyses for the Cañon de Valle Alluvial Area. LANL will amend its analytical program for this SWMU, where appropriate, to include cyanide in future monitoring and ensure a lower detection limit is requested.

15. Section 4.1 Summary, pg, 4-1, paragraph 6:

LANL Statement: *"A fifth well (Well 16-02712) was located in the Cañon de Valle upper drainage channel, downstream of the former settling pond. This well was plugged and abandoned during the IM in 2000."*

NMED Comment: *There is no mention of plugging and abandoning this well in the IM report and the details are not provided in this report. LANL shall describe the well abandonment activities to include, well abandonment method used, any problems encountered, and any deviations from current EPA well abandonment guidance.*

LANL Response:
This statement was not correct. Monitoring Well 16-02712 is still available for groundwater measurements and sampling in Cañon de Valle. Monitoring Well 16-02709 (shallow well, 15-feet in depth) is the correct well that was plugged and abandoned during the Interim Measure (IM). Therefore, the text will be revised to delete any reference to the plugging and abandonment of Monitoring Well 16-02712. Documentation regarding the plugging and abandonment of Monitoring Well 16-02709 is contained in the *Field Summary Report for the Interim Measurement (IT Corporation, December 2000)* and the plugging and abandonment was performed in accordance with standard operating procedure (SOP) *ER-SOP-5.03, Monitoring Well and RFI Borehole Abandonment*.

16. Section 4.1 Summary, pg. 4-7, paragraph 1:

LANL Statement: *"If the saturated pathways connecting the 260 outfall to the springs are identified and if they contain constituents at levels greater than MCLs, then implement groundwater monitoring in those pathways."*

NMED Comment: *LANL shall implement groundwater monitoring at the springs if <u>any</u> constituents are detected above detection limits or background levels. Exceedances above the standards (i.e., MCLs) do not determine the need for monitoring. More frequent monitoring shall occur when contamination is detected to evaluate the need for remediation.*

LANL Response:
The LANL groundwater monitoring approach for the 260 springs was originally stated in the NMED-approved Phase I RFI report (page 61) and restated in the Phase III RFI report (see LANL statement above). The approach was presented in the Phase I RFI report in the context of a decision rule developed for initiation of the springs sampling program. Springs monitoring is continuing in accordance with the SAP included in the NMED-approved CMS plan, and a final monitoring plan will be submitted in conjunction with the Corrective Measures Implementation (CMI). The text will be revised to state that springs monitoring (including frequency) is performed in conformance with the existing NMED-approved SAP.

17. Section 4.4.2.1.1 Springs – Evaluation of Inorganic Chemicals, pg.4-25:

LANL Statement: *As noted in the Phase II RFI report (LANL 1998; 59891), the concentrations of many metals at the TA-16 springs are higher than in background springs (i.e., Apache Spring, Cañon de Valle Spring, Water Canyon Gallery, Pike Spring, and Seven Springs) upgradient from Laboratory property, indicating many of these metals are anthropogenic in origin. Such comparisons, however, must be viewed with caution since the background springs are from the Sierra de los Valles mountain front, whereas the TA-16 springs are located on the Pajarito Plateau in a different geologic setting."*

NMED Comment: *LANL has not shown that the geologic setting of the background springs is so much different from that found on the Pajarito Plateau that the two data sets aren't comparable. In addition, there are available data from springs within the laboratory boundary that are upgradient of laboratory operations. LANL should have used this data for comparison of contaminant concentrations instead of performing the geochemical evaluation (see also General Comment #1).*

LANL Response:
Historical background spring chemistry was provided in the Phase II RFI report in Table 4.4-17. This Table 4.4-17 is provided in Addendum-Section 4. A comparison of the TA-16 spring data to the background springs is provided in Supplemental Table 4.1. The geochemical evaluation has been eliminated from the methodology as stated in the response to Attachment 1, General Comment 1. However, a qualitative comparison to background springs has not been utilized to eliminate COPCs. The comparison is provided for informational purposes only. While most of the inorganic chemicals in the TA-16 springs exceed the maximum detected value for the background springs sampled, the majority of these organic chemicals were eliminated in the screening methodology (values less than the EPA Region 6 residential tap water screening level).

18. Table 4.4-4 Frequency of Detected Organic Chemicals in Spring Samples from Quarterly Sampling from March 1998 through July 2002, pg. 4-26:

NMED Comment: *The table shows samples analyzed for organics as filtered and unfiltered. Samples analyzed for organic chemicals should never be filtered. The results obtained from filtered organic samples have been compromised by the act of filtering and are not valid. LANL shall not consider any*

organic chemical data collected from filtered samples in its risk assessments or decision-making process for this report.

LANL Response:
No filtered organic chemical data were included in the risk analyses. No revisions to the risk analyses are required based upon this comment.

19. Table 4.4-13 Frequency of Detected Organic Chemicals in 90s Line Pond Samples, March 1998 through July 2002, pg. 4-44:

NMED Comment: *See Specific Comment #12.*

LANL Response:
See response to Attachment 1, Comment 5.

20. Section 5.2.2 Component 2 – Mesa Vadose Zone, pg. 5-5, paragraph 4:

LANL Statement: *"Finally, the presence of HE contamination in the approximately 700-ft perched aquifer at Regional Aquifer Well R-25 (LANL 2003, 75986.2) indicates that these transport pathways may extend from the mesa (or canyon bottom) downward to the 700-ft perched aquifer".*

NMED Comment: *The sample collected from Regional Well R-25 was collected from the regional aquifer and not the perched intermediate zone. At this point, the HE appears to be present locally in the regional aquifer and it is assumed that contaminant transport pathways extend to the regional aquifer until proven otherwise.*

LANL Response:
The text will be clarified with the following additional information from the NMED-approved CMS plan addendum (LANL 2003, 75986.2) to explain why the presence of HE constituents in Regional Aquifer Well R-25 is relevant to the mesa vadose zone (and the intermediate-depth perched aquifer) as discussed in this section.

> HE was detected in the Regional Aquifer Well R-25 during FY 99 and continues to be detected in ongoing quarterly sampling. R-25 is located approximately 1700 ft east of the 260 outfall. A major perched saturated zone was present between 747 ft and 1132 ft, and the regional aquifer extended from 1286 ft to the total depth of the borehole at 1942 ft. Between these two saturated zones is a zone made up of alternating saturated zones and dry rock. The nature and degree of the connectivity between these two major zones is unknown. Both major zones appear to contain HE constituents, including RDX, TNT, HMX, and amino-DNTs. The two highest HE concentrations came from the middle of the perched zone and near the top of the regional aquifer.

21. Section 6.2.1.1 Scoping, Screening and Problem Formulation, pg. 6-10:

NMED Comment: *The text indicates that the ecological risk screening methodology was based upon the EcoRisk Database, version 1.2 (2000). However, EcoRisk has been upgraded to version 1.5 (2002). This newer version was available prior to the date of the RFI report. While it is noted that the report indicates that repeating the methodology with the newer version would not change the outcome, the report should include a discussion of the major differences between versions 1.2 and 1.5 of EcoRisk. It is also not clear whether toxicity reference values from version 1.2 or 1.5 were applied in the risk assessment. LANL shall modify the report to clarify these issues.*

LANL Response:
The major differences between versions 1.2 and 1.5 are summarized in Supplemental Table L.1, Ecorisk Database History (Post release 1.2) and specific changes to the database are provided in Supplemental Table L.2, Detailed Ecorisk Database History Post Release 1.2 (Non Radionuclides only) provided in the enclosed Addendum for Appendix L. The toxicity reference values from version 1.2 were applied in the risk assessment problem formulation.

22. Section 6.2.2.2 Aquatic Assessment, pg. 6-12:

NMED Comment: *This section provides a lengthy discussion on the results of toxicity testing that has been conducted to determine whether the contaminant concentrations in sediments have impacted the benthic macro-invertebrate community. The results of the study have shown a decrease in numbers of species and potential toxicological impacts. In addition, the report implies that these results may be due more to the loss of habitat due to drought conditions than to contaminant loading into the surface water. The last sentence of this section, however, indicates that if there are pockets of sediment causing adverse effects on the aquatic community, the benthic community would most likely avoid these areas. If the stream is in fact being highly impacted by drought, then this would equate to a decrease in area of available habitat. Given these conditions, the benthic community would be more likely to be pushed into areas of unfavorable habitat due to competition. This would result in multiple stresses on the organisms. It appears that under the current drought conditions, the preservation of habitat is critical to the health of the stream community and that even small impacts by site contaminants could be detrimental. LANL shall revise the report to address these issues.*

LANL Response:
The text will be revised to address these issues. Specifically, text will be added as follows:

> The location of measured toxic effects in the stream relative to the sources of water to the canyon is important to the risk characterization. The SWSC Cut section of stream with the highest toxicity testing mortality is a slow flowing marshy area dominated by emergent vegetation at the head of the perennial reach. This is marginal to poor habitat for the sensitive aquatic invertebrate species associated with the canyon. Stream flow in this section of the perennial reach has diminished during the drought. If the drought continues, it is conceivable that this section may become dry. The two toxicity testing sites in Cañon de Valle that were not different from the reference site in Starmer's Gulch are down stream of SWSC Cut and are supported by flow from Burning Ground Spring. Thus far, this spring has shown persistent flow during the drought. If the stream does continue to recede due to the drought, refugia for the aquatic community will likely be in the reach from Burning Ground Spring down-canyon to below MDA P. Therefore, any drought induced habitat reduction will restrict the aquatic fauna to an area that has not shown significant contaminant effects via the toxicity testing.

ATTACHMENT 2

General Comments:

1. *The terms sediment and soil are used interchangeably throughout the risk assessment. In some cases, the soil, sediment, and tuff are referred to as sediment, but in other instances, sediment refers to sediment associated with surface water bodies. It is suggested that a clear delineation between soil and sediment be maintained throughout the report.*

LANL Response:
The text, when classifying media, will be clarified and clear delineation between soil and sediment will be maintained. However, in some cases the exposure media referenced may include a mixture of sediment, soil, and/or tuff. In these cases, the text will specify the difference.

2. *Chromium was evaluated in the risk assessment as trivalent chromium. However, the report did not provide a discussion as to whether any differentiation between hexavalent and trivalent chromium was conducted. Assuming that all the chromium is in the form of trivalent chromium is not conservative and most likely underestimates the risk. In natural conditions, chromium is present as a ratio of trivalent to hexavalent chrome of 1:6. Unless analytical evidence, adequate justification, and/or a site-specific chromium ratio is provided demonstrating that all chromium detected at the site is trivalent chromium, then chromium should be evaluated as total chromium, and an appropriate ratio of trivalent to hexavalent chromium be applied. LANL shall revise the report accordingly.*

LANL Response:
Chromium was evaluated as total chromium within the COPC screening criteria, which includes the 1:6 ratio of hexavalent to trivalent chrome as provided in *EPA Region 6 Human Health Medium-Specific Screening Levels*, (EPA 2003, 81724). The only media for which chromium exceeded the screening criteria was sediment, here the trivalent chromium toxicity value was used in the evaluation of risk. The toxicity value in this case has been revised to evaluate total chromium (i.e. the ratio of hexavalent to trivalent chrome of 1:6). Refer to revised Table K-8 provided in Addendum-Appendix K.

3. *The ecological risk assessment should contain a table that clearly indicates what values were applied from the EcoRisk database, each toxicity reference value for each receptor species, and the concentrations used to obtain the hazard quotients for species. Neither Appendix L nor its attachments contain tables delineating this information. LANL shall revise the report accordingly.*

LANL Response:
Supplemental tables are provided in the enclosed Addendum-Appendix L:

Table L.1	Summary of the Ecorisk Database History Post Release 1.2 (non-radionuclides only)
Table L.2	Detailed Ecorisk Database History Post Release 1.2 (non radionuclides only)
Table L.3-1	Availability of Toxicity Reference Values (TRVs) for HE
Table L.3-2	Current Toxicity Reference Values (TRVs) for HE
Table L.3-3	References for HE Primary Toxicity Study Evaluations (PTSEs) and Status
Table L.4	Ecorisk Database Toxicity Reference Values (TRVs) (version 1.2)
Table L.5	Ecorisk Database Ecological Screening Levels (ESLs) (version 1.2)
Table L.6	Ecorisk Database References for Primary Toxicity Values (version 1.2)
Table L.7	Ecorisk Database References for Toxicity Reference Values (TRVs) (version 1.2)
Table L.8	Maximum Concentration Values Used for Cañon de Valle Water
Table L.9	Maximum Concentration Values Used for Cañon de Valle Soil and Sediment

<u>Specific Comments for Appendix I-1 (Statistical Analysis of Data for the SWMU 16-021(c)-99 Source Area and Cañon de Valle Alluvial Area):</u>

1. Section 1.0 Introduction, pg. I1-1:

LANL Statement: *"This appendix describes the data screening methodology, including statistical tests and analyses, used to evaluate the concentrations of chemicals of potential concern (COPCs) relative to background levels at the solid waste management unit (SWMU) 16-021(c)-99 Source Area and Cañon de Valle alluvial area for the comprehensive analytical data sets (pre- and post-1998 data) evaluated in the baseline risk (Appendix K)".*

NMED Statement: *LANL used multiple statistical procedures to eliminate COPCs when some results in the data sets exceeded the background value (BV) for the corresponding constituent. The BV were calculated based on the data collected facility-wide, evaluated by statistical procedures, and established as being the upper tolerance limit (UTL) for the background population of each constituent. According to the application of UTL, any exceedance of the UTL is indicative of a release. No further statistical tests are necessary to establish that a particular value does not belong to the background population because the calculation of the UTL itself incorporates this information. LANL shall not use additional statistical tests to determine COPCs at SWMU 16-021(c)-99 and shall revise the report accordingly.*

LANL Response:
LANL agrees that the use of the upper tolerance limit (UTL) as a bright line comparison provides a simplified approach for determining COPCs above or below background. However, any exceedance of the UTL does not indicate a release of contamination or even exceedance of background. In particular it is not feasible to establish a single bright-line concentration value to define background for a particular chemical— instead, background should be expressed as a concentration range or distribution determined by statistical analysis of the chemical data. By definition the 95 percent UTL is the concentration at which 95 percent of the background distribution will be below at a 95 percent confidence. Therefore, onsite data are expected to exceed the UTL in roughly 5 percent of the data and still be in the upper tail of the background distribution. The comparative statistical tests done in the risk assessment are to identify those data that fall within the upper tail of the distribution. The comparative statistical tests performed identify two potential distributional differences, one around the mean (Wilcoxon Rank Sum test) and the other at the upper tail of the distribution (quantile test) that are not accounted for by the bright line UTL comparison.

Both of these test are recommended by EPA as methods for determining if inorganic COPCs are different than background *(Determination of Background Concentrations of Inorganics in Soils and Sediments at Hazardous Waste Sites* (U.S. EPA, 1995), *Statistical Tests for Background Comparison at Hazardous Waste Sites (Interim Draft Supplemental Guidance to RAGS)* (U.S. EPA, 1998), *Selecting Inorganic Constituents as Chemicals of Potential Concern at Risk Assessments at Hazardous Waste Sites and Permitted Facilities* (Cal/EPA, 1997), *Evaluating and Identifying Contaminants of Concern for Human Health* (U.S. EPA, 1994), Guidance *for Environmental Background Analysis Volume I: Soil* (NFESC, 2002)). LANL has described these statistical comparisons in Chapter 3 of the Installation Work Plan (LANL 1998, 62060) and NMED-negotiated Annotated RFI report outline (LANL 1998, 58981). In addition, these statistical comparisons were included in the NMED-approved Phase II RFI Report for this SWMU. Therefore, LANL has retained the statistical comparisons methodology for determining COPCs above or below background values in the revised risk analyses included in this NOD response.

2. Section 2.0 Identification of COPCs for Human Health Risk Assessments, pg. I1-1:

NMED Comment: *The evaluation of the inorganic COPCs in alluvial and surface water (for which no background values are established) performed by geochemical analysis in step 5 is not an EPA-acceptable method for data evaluation, and, in addition, should not be used for eliminating COPCs. LANL shall provide the reference used that states the appropriateness of this type of analysis for data evaluation and COPC determination.*

LANL Response:
The geochemical evaluation was eliminated as a method from the data evaluation process. Refer to General Comment 1 of Attachment 1 for more information.

3. Section 4.0 Calculation of COPC Source-term Concentrations, pg. I1-27:

NMED Comment: *LANL calculates the upper confidence limit (UCL) for each COPC. However, LANL pools the data for soil and tuff, which were considered separate in the earlier evaluation. Such pooling "dilutes" the data and thus the corresponding UCLs are lower (resulting in lower risk calculations). LANL shall calculate separate UCLs for each COPC in each media.*

LANL Response:
LANL pooled data for soil and tuff based on the receptors potential for exposure (i.e., the soil and tuff were collocated in the exposure area). This is standard risk assessment practice. Therefore, this data pooling accurately represents the exposure point concentrations to COPCs over the area of concern, and does not dilute the data. Data for soil and tuff were considered separate in earlier calculations due to the differences in inorganic background UTLs for soil and tuff. No changes to the text are necessary.

4. Table I1-7 Statistical Analysis of COPCs in Soil and Tuff at the Source Area and Table I1-8 Statistical Analysis of COPCs in Sediment at the Cañon de Valle Alluvial Area, pgs. I1-30 and I1-31.

NMED Comment: *LANL calculates UCLs of the COPCs identified in Tables I1-5 and I1-6. However, all of the identified COPCs from Tables I1-5 and I1-6 do not appear in the UCL tables. LANL shall explain why some (9 constituents for soil and tuff, and 8 constituents for sediments) COPCs were dropped and why UCLs for these COPCs were not calculated.*

LANL Response:
Tables I1-5 and I1-6 identify all the inorganic COPCs that exceed background for soil and tuff at the Source Area, and sediment at the Cañon de Valle Alluvial Area. Table I1-7 Statistical Analysis of COPCs in Soil and Tuff at the Source Area and Table I1-8 Statistical Analysis of COPCs in Sediment at the Cañon de Valle Alluvial Area present summary statistics for inorganic COPCs that are above background and that fail the COPC screening presented in Appendix K. Therefore, Tables I1-7 and I1-8 are subsets of Tables I1-5 and I1-6. No changes to the risk analysis are necessary.

5. Section 4.2.2 95% UCL Concentration Using Standard Bootstrap Procedure, pg. I1-28:

NMED Comment: *LANL states that the standard bootstrap procedure is used to calculate UCLs for data that indicated non-parametric distribution, which gives the lowest possible UCL (and thus the calculated risk is decreased). The ProUCL Manual (which LANL uses for this evaluation) describes the Chebyshev's method as the preferred method for calculating non-parametric UCL, and may yield up to a 50 percent higher UCL. LANL shall revise the report accordingly.*

LANL Response:
LANL has utilized the Chebyshev's method to calculate UCLs for the data that indicate a non-parametric distribution as shown in the revised Tables I1-7, I1-8, and I1-9 and provided in the enclosed Addendum-Appendix I-1. Note that the Upper confidence Limit (UCL) differences between the standard bootstrap procedure formerly utilized in the Phase III RFI report and Chebyshev's method range from - 11% to 84% with a mean of 28.9% and, in some cases, the standard bootstrap UCL exceeded Chebyshev's. However, LANL reserves the option to use different summary statistics as technically warranted. As stated within the ProUCL Manual "depending upon his or hers application, the user may decide to use (or not use) any of the 10 available procedures in the program, ProUCL".

6. Section 4.3 95% UCL COPC Concentrations, pg. I1-29:

NMED Comment: *LANL explains that, for the log-normally distributed data, the corresponding UCL was calculated using the bootstrap procedure. This approach is not acceptable. There are multiple choices for calculating UCL for log-normally distributed data, and the bootstrap method is not one of them. LANL shall use other methods to determine the UCL. LANL shall revise the report accordingly.*

LANL Response:
The log-normally distributed UCLs have been revised according to the methods suggested by ProUCL. If the suggested UCL value exceeded the maximum on site concentration, the nonparametric Chebyshev method was used to evaluate the UCL for the data set. See revised Tables I1-7, I1-8, and I1-9 contained in Addendum-Appendix I-1.

7. Attachment 1, Quantile Test Results for Inorganic COPCs, Tables 5, 6, 7, and 8, pgs.4-6:

NMED Comment: *There is inconsistency in the conclusions as to whether the test passed or failed when the table k value was equal to the observed k value. In some cases, the test was indicated as "pass" while in a few others, "fail". LANL shall revise the conclusions for consistency. A conservative approach would be to assume that if the test statistic and the observed statistic are equal, the test would fail.*

LANL Response:
All COPCs with equal table k values and observed k values have been corrected to indicate a "fail" conclusion. See revised Attachment 1, Tables 5, 6, 7, and 8 contained in Addendum-Appendix I-1.

<u>Specific Comments for Appendix K (Human Health Risk Assessments for Cañon de Valle and Screening Risk Assessments for Martin Spring Canyon):</u>

1. Section 5.1.1 Estimation of Exposure Point Concentrations, pg. K-8, paragraph 2:

NMED Comment: *It appears that one site-specific Particulate Emission Factor (PEF) was used in the risk assessment. However, evaluation of construction worker exposures typically considers greater levels of particulate emissions due to heavy equipment traffic on unpaved roads or air emissions resulting from large-scale earth moving activities. Procedures to derive a construction worker PEF are described in USEPA's Supplemental Guidance for Development Soil Screening Levels for Superfund Sites, Peer Review Draft (March 2001). LANL shall revise the risk assessment to discuss why use of one PEF value for all exposure scenarios is considered adequate.*

LANL Response:
One particulate emission factor (PEF) value is adequate due to the following Source Area conditions:

- The overall area of the site is relatively small (less than one acre).
- The inhalation pathways is a minor pathway, three to four orders of magnitude less risk than the other complete exposure pathways (see Tables K-12[a] and [b], K-16[a] and [b], and K-20[a] and [b] provided in the enclosed Addendum-Appendix K).
- The site is predominantly exposed tuff, and the dust generated by construction on the exposed tuff is expected to be significantly less than soil emissions.

2. Section 5.1.4 Source Area, pg. K-9:

LANL Statement: *"The COPCs identified in soil and tuff at the source area are assumed to have negligible volatility (LANL 1998, 59891; Appendix D of this document). Therefore, vapor-phase*

concentrations of COPCs were not evaluated in this risk assessment and the airborne concentration was estimated only for airborne dust".

NMED Comment: *The text should be clarified to indicate that the use of a volatilization factor only applies to volatile organics and that the few organic compounds that were retained as COPCs are not volatile organics and, therefore, the use of a volatilization factor would not apply to the COPCs.*

LANL Response:
LANL will add the following sentence to clarify the Section 5.1.4 Source Area text:

> The COPCs at the Source Area are all inorganic chemicals or nonvolatile organic chemicals (high explosives), and therefore, the calculation of COPC-specific volatilization factors is not necessary.

3. Section 5.2 Quantification of Chemical Intake, pg. K-10:

NMED Comment: *The discussions of how the overall chronic daily intake (CDI) is estimated, as well as the CDI for the site soil, sediment, surface water, and dermal contact, refer to several input parameters such as the contact rate, exposure frequency, exposure duration, inhalation and ingestion rates, skin adherence factors, fractions ingested/inhaled, and skin surface areas. However, the text does not define what values were used for these input parameters nor does the text reference where these input values are defined. LANL shall revise the text to include a reference to Table K-7 where these parameter values are defined.*

LANL Response:
A reference to Table K-7 will be provided in Section 5.2.

4. Section 5.2.3 Dermal Contact with Soil, Sediment, and Surface Water, pg. K-11:

NMED Comment: *The methodology outlined to assess dermal contact with surface water is appropriate only for inorganic constituents. Newer methods have been developed to evaluate the dermal risks associated with organic constituents in water. These methods are detailed in EPA's Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E, Supplemental Guidance for Dermal Risk Assessment (EPA/540/R/99/005, September 2001). LANL shall revise the report to use the latest dermal risk assessment guidance methodology.*

LANL Response:
The methods detailed in EPA's *Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E, Supplemental Guidance for Dermal Risk Assessment* (EPA/540/R/99/005, September 2001) are not used to evaluate the dermal risks associated with organic constituents in water. Cheryl Overstreet (EPA Region 6, New Mexico Federal Facilities Section) stated (via email) on January 14, 2004 that "none of the RCRA, RCRA Enforcement, or Superfund risk assessors….have used the dermal guidance for surface water at any of their sites" (LANL 2004, 82287). In addition, dermal contact in surface water is a minor pathway that does not influence the risk and the assumptions used are protective and likely overestimate the potential risk. However, input parameters contained in the guidance have been included in this risk analysis (see Attachment 2, Comment 9).

5. Section 7.2 Noncancer Hazard Characterization Methods, pg. K-15:

NMED Comment: *While it is conservative to sum all chemical-specific Hazard Quotients (HQs) to derive a pathway specific Hazard Index (HI) and multi-pathway Total HI, this methodology is not strictly accurate. The HI is more appropriately the sum of all HQs that have the same critical effect or affect the same target organ. LANL shall revise the risk assessment text to state that as a first conservative estimate of*

the Total HI, all chemical HQs in all pathways will be assumed to be additive. Then, if the Total HI using this methodology exceeds the target HI of 1.0, a more accurate target-organ/critical effect HI will be calculated.

LANL Response:
In cases where the total cumulative (multi-pathway) HI exceeds the target hazard index (HI) of 1.0, a more accurate target-organ/critical effect HI was calculated and will be summarized in the revised text for the COPCs which were risk drivers pending NMED approval of this NOD response.

6. Section 7.3.3 Construction Worker, pg. K-17:

Since the Total HI for the construction worker exceeds 1.0 when the conservative assumption of additivity of all chemical HQs is used, a refined analysis should be conducted for this scenario with separate HIs calculated to reflect target-organ/critical effects. For example, the major risk drivers have the following target organ or critical effects: TNT (liver), RDX (prostate), and barium (kidney). LANL shall revise the report to calculate a more accurate HI for the construction worker scenario. (See Specific Comment #7).

LANL Response:
See Attachment 2, Comment 5.

7. Table K-1 Comparison of Chemical Concentrations versus SALs SWMU 16-021(c)-99 Source Area, pg. K-24:

NMED Comment: *There is general agreement with the values used for the SALs, with the exception of trichlorofluoromethane. The SAL is listed as 12,000 mg/kg, which appears to be quite elevated. The revised New Mexico Soil Screening Guidance (NMSSG) (currently under peer review), the Region 9 PRGs, and the Region 6 PRGs provide a SAL for residential soil in the 300 to 500 mg/kg range. LANL shall review the calculations for the derivation of the SAL for trichlorofluoromethane and revise the table and assessments accordingly. It is noted that the site maximum concentration would still be below 10% of the most conservative SAL listed above.*

LANL Response:
The trichlorofluoromethane SAL was updated to 390 mg/kg (the current Region 6 screening level). However, LANL would like to note that the SAL of 12,000 mg/kg for trichlorofluoromethane is consistent with the current version of the New Mexico Soil Screening Guidance (NMSSG) available to the public. Refer to the revised Table K-1.

8. Table K-3 Comparison of Chemical Concentrations versus SALs for Sediment at the Cañon de Valle, SWMU 16-021(c)-99, pg. K-33:

NMED Comment: *There is general agreement with the values used for the SALs, with the exception of hexachlorobenzene (3 mg/kg), indeno(1,2,3-cd)pyrene (6.2 mg/kg), and trichlorofluoromethane (12,000 mg/kg). For hexachlorobenzene and indeno(1,2,3-cd)pyrene, the revised NMSSG, the Region 9 PRGs, and the Region 6 PRGs provide SALs for residential soil of 0.3 mg/kg and 0.62 mg/kg, respectively. In addition, the SAL for trichlorofluoromethane is in the 300 to 500 mg/kg range. LANL shall review the calculations for the derivations of the SALs for hexachlorobenzene, indeno(1,2,3-cd)pyrene, and trichlorofluoromethane and revise the table and assessments accordingly. It is noted that the site maximum concentrations would still be below 10% of the chemical's respective SALs listed above.*

LANL Response:
The trichlorofluoromethane SAL was updated to 390 mg/kg, the hexachlorobenzene SAL was updated to 0.3 mg/kg, and the indeno, (1,2,3-cd)pyrene SAL was updated to 0.62 mg/kg. The SALs for

hexachlorobenzene (3 mg/kg) and indeno, (1,2,3-cd)pyrene (6.2 mg/kg) were NMED carcinogenic screening levels at a target end point of 1E-05 which had not been corrected to the target end point of 1E-06 evaluated in the risk assessment for screening. However, LANL would like to note that the presented SAL value for trichlorofluoromethane is consistent with the current version of the NMSSG available to the public. Refer to the revised Table K-3 contained in Addendum-Appendix K.

9. Table K-7 Exposure Factors Used to Estimate Intake of COPCs at the SWMU 16-021(c)-99, pg. K-44:

NMED Comment: *In reviewing the table of exposure factors, it appears that most of the data were taken from US EPA 1997 and 1991. According to the reference list provided in Appendix K, the 1997 reference is for the "Health Effects Assessment Summary Tables" and the 1991 reference is the "Role of the Baseline Risk Assessment in Superfund Remedy Selections Decisions". It appears that either the references on the table were mislabeled or the references were not included in the reference list. However, the values in the table were reviewed against the recommended input parameters outlined in USEPA's Supplemental Guidance for Development Soil Screening Levels for Superfund Sites, Peer Review Draft (March 2001) and USEPA's Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E, Supplemental Guidance for Dermal Risk Assessment (EPA/540/R/99/005, September 2001). An assumption was made that the environmental worker closely resembled that industrial worker as defined in the above referenced document. The following modifications to the input parameters listed in Table K-7 shall be made as noted below.*

Environmental Worker (RME)	*Construction Worker (RME)*
EF – 225 days/year	*IRinh – 0.83m^3/hour (20 m^3/day)*
ED – 25 years	*IRing -- 330 mg/day (RME and CME)*
AT (noncarcinogens) – 25 years	*Soil-to-Skin AF – 0.3mg/cm^2 (RME and CME)*
IRinh – 0.83m^3/hour (20 m^3/day)	*SA – 3300 cm^2*
SA – 3300 cm^2	

LANL Response:
The modified input parameters were updated in revised Table K-7 and the revised risk calculations.

10. Table K-8 Toxicity Factors for COPCs in the SWMU 16-021(c)-99, pg. K-45:

NMED Comment: *Several discrepancies were noted as follows:*

- *The dermal absorption factors (ABSd) are all referenced to New Mexico's SSG. This guidance has undergone subsequent updates. In general, all inorganics should have an ABSd of zero. LANL shall revise the ABSd values accordingly. It is recommended that the Region 9 PRG tables be used as a reference.*

LANL Response:
The dermal absorption factors (ABSd) for all inorganic chemicals were revised to zero in the revised risk calculations. However, LANL would like to note that the presented ABSd values are consistent with the current version of the NMSSG available to the public. Refer to the revised Table K-8.

- *An oral reference dose (RfDo) is listed for benzo(a)pyrene, however, the Integrated Risk Information System (IRIS) does not provide an RfDo. LANL shall clarify the reference and value.*

LANL Response:
The benzo(a)pyrene RfDo was presented in error and subsequently has been eliminated in revised Table K-8 and the revised risk calculations (see Addendum-Appendix K).

- *An RfDo for 1,2-dichloroethane is available from National Center for Environmental Assessment (NCEA) (3.0E-2 mg/kg/day).*

LANL Response:
The RfDo for 1,2-dichloroethane (3.0E-2 mg/kg/d) was revised in Table K-8 and the risk calculations.

- *It is unclear whether the mercury is elemental mercury or methyl mercury. The value for the RfDo is listed as 3.0E-4 mg/kg/day; however, this is the value listed in Health Effects Assessment Summary Tables (HEAST) and not IRIS. The RfDo for mercury in IRIS is based on methyl mercury and is 1.0E-4 mg/kg/day. LANL shall clarify the speciation of mercury and clarify the toxicity datum and reference.*

LANL Response:
The mercury toxicity value provided is for mercuric chloride (mercury and compounds; per EPA Regions 6 and 9). Both the RfDo and the corresponding reference are correct.

11. Attachment 1, Section 2.0 Data Evaluation and Identification of COPCs (Comparison to Surface Water Screening Levels), pg. 2.

NMED Comment: *As noted previously (see Specific Comment 5 in Attachment 1), NMWQCC standards and MCLs are not solely risk-based numbers, but also incorporate technology limitations, and as such comparison of site data to these numbers will not provide an indication of whether there is acceptable risk. The use of these values may be helpful as a tool if no risk-based screening numbers are available or for assessing remediation alternatives, but should not be used to select COPCs. LANL shall revise this attachment to select Martin Spring Canyon COPCs for water based upon comparison to the residential tap water screening levels (either Region 6 or Region 9). If there are no tap water screening levels available, and toxicological data are not available to support the derivation of the tap water screening values, then the NMWQCC and/or MCL may be appropriate for use.*

LANL Response:
See response to Attachment 1, Specific Comment 5.

12. Attachment 1, Section 4.0 Comparison of Results, pg. 2.

NMED Comment: *The report indicates that risks were only estimated for those chemicals in Martin Spring Canyon that were elevated above those retained for the Cañon de Valle risk assessment. The theory is that if the concentrations were less than those at Cañon de Valle, the risks due to exposure to contaminants in Martin Spring Canyon would be less. This rationale is adequate; however, the discussion of the results is complicated by the fact that some constituents have higher concentrations in Martin Spring Canyon than at Cañon de Valle. LANL shall provide a table summarizing the input parameters and results for the risks calculated and associated with Martin Spring Canyon. The text shall also quantify the total risk to the receptors in Martin Spring Canyon, and not just qualitatively discuss the comparative magnitude of risk. LANL shall revise the report to clearly demonstrate that cumulative risks at Martin Spring Canyon are within acceptable ranges.*

LANL Response:
The text for Martin Spring Canyon will be updated to include the quantitative results of the risk assessment under the assumptions used in the calculation for the Cañon de Valle baseline risk assessment. Table 1 of this NOD response and Supplemental Table K-1(a) and (b) contained in Addendum-Appendix K, summarize the Martin Spring Canyon risk analysis results.

Specific Comments for Appendix L (Ecological Risk Assessment for Cañon de Valle):

1. Section 2.1 Overview, pg. L-4, paragraph 1:

NMED Comment: *This section indicates that the present-day contamination concentrations and inventories are expected to be the worst-case. However, Section 5.2 of the report states that there has been significant contaminant transport downstream of Cañon de Valle. These two statements appear to contradict each other. LANL shall clarify what data and concentrations will be used to represent the worst-case scenario.*

LANL Response:
Since the ecological risk assessment addresses Cañon de Valle, we assume that this comment specifically addresses Section 5.2.3, "Component 3 - Alluvial Sediment in Cañon de Valle and Martin Spring Canyon." This section of the conceptual model indicates that contaminant concentrations and inventories were estimated in 1999. The section also describes the transport and redistribution of contaminants during flood events. These hydrologic processes mix sediments of differing contaminant concentrations as they are transported, resulting in a physical averaging of concentrations. There have been no new sources of contaminants to the canyon since the elimination of effluent discharges to the canyon.

In summary, the inventory of contaminants is either constant or declining as sediments are transported out of the canyon. Concentrations are reduced by hydrologic events that mix sediments making the present-day maximum concentrations worst case, with future concentrations expected to decline. The 1999 geomorphic survey data are used to represent the overbank soil and the 1996 channel profile data are used to represent the active channel sediment. Together these data represent the worst case concentrations for the canyon. Figure 3 of Appendix L showing changes in barium and RDX concentrations from 1996 to 2002 in the active channel indicates that this is a conservative assumption.

2. Section 2.2 Habitat Description and Exposure Pathways, pg. L-6, paragraph 3:.

LANL Statement: *"Food web transfers and direct soil ingestion are considered minor pathways because the contaminated soils in the canyon occupy a small area of the canyon floor."*

NMED Comment: *While the results of a risk assessment may show direct soil ingestion to be a minor pathway, the baseline risk assessment must include all complete exposure pathways. The direct ingestion of soil is a complete pathway, and as such must be addressed in the risk analysis. LANL shall revise the risk assessment to include direct ingestion of soil.*

LANL Response:
The direct ingestion pathway for soil is included in the screening assessment through the ESLs and the baseline risk assessment through the use of empirical studies to characterize adverse effects. Section 4.3, "Conclusions from the Problem Formulation," indicates that there are sufficient screening value exceedances and uncertainties to warrant empirical studies for adverse effects in the canyon. The rest of the document presents the baseline ecological risk assessment derived from those studies. The small mammal population studies and body burden analyses already include the direct ingestion of soil and all other pathways that small mammals are exposed to in the environment. This is the advantage of using field studies for the baseline risk assessment. All complete exposure pathways are represented in the measures of effects.

3. Section 4.1 Terrestrial System, pg. L-8:

NMED Comment: *Several constituents were not included in the screening assessment, as the EcoRisk version 1.2 did not contain toxicological criteria for the respective constituents. Risk assessments rarely rely on only one source for toxicological criteria. While it is noted that avian and invertebrate toxicity data*

may, in fact, not be available, other sources and studies for avian toxicological criteria should be reviewed to determine whether toxicity data is available. LANL shall revise accordingly.

LANL Response:
The EcoRisk database is a synthesis of hundreds of sources of information. At the time the problem formulation was conducted, specific searches were performed for toxicology literature addressing avian endpoints and high explosives. No studies were found. As noted in Section 4.1, additional studies, published after the problem formulation, are used to interpret the baseline risk assessment results in Section 10, Uncertainty Analysis. The reference set for version 1.2 is provided as part of the response to "Attachment 2, General comment 3."

4. Section 6.2.2 Toxicity Test, pg. L-17:

LANL Statement: *"The midge, Chironomus tentans is a toxicity test organism that is well documented for its toxic responses to contaminants, is widely used in toxicity testing, and is reared from laboratory populations".*

NMED Comment: *While the use of the midge as a test species is acceptable, LANL shall discuss the sensitivity of the midge compared to the Ceriodaphnia dubia, which is often used by toxicological laboratories to test sensitivity to metals in water.*

LANL Response:
LANL will revise the text to discuss the relevance and applicability of the midge compared to the *Ceriodaphnia dubia.* Suggested additional text is provided below:

> The source of contaminants in the aquatic system and how toxicity test organisms become exposed to those contaminants is an important consideration for selecting a test species. Cañon de Valle has contaminants in both the sediment and the water column. The *Ceriodaphnia dubia* (a cladoceran) is a well documented toxicity testing organism and is often used for evaluating effluents. However, *C. dubia* is a water column organism, and is less well suited for testing contaminated sediment because there is no direct contact with sediment. Exposure to sediment contaminants with low solubilities is not assured. *Chironomous tentans* is an infaunal organism, thus assuring exposure to both the sediment and the water in the test vessel. In addition, the genus Chironomus is represented in the macrobenthic community in Cañon de Valle, whereas no cladoceran genus or species is present. Consequently, *C. tentans* is the better choice for Cañon de Valle.

5. Table L-8 TRVs for Top Carnivore Receptors and ESLs for Mexican Spotted Owl Associated with Cañon de Valle COPECs, pg. L-23:

NMED Comment: *The footnote of the table defines the dose as the TRV multiplied by 0.6 kg (owl body weight). Typically the screening level exposure dose incorporates the exposure point concentration, ingestion rate, an area use factor and body weight. LANL shall clarify how the dose was determined.*

LANL Response:
Two equations are provided in the footnote. The first equation normalizes the toxicity reference value (mg/kg-d) by the owl body weight (0.6 kg), (mg/kg-d x kg) resulting in a quantity with the units mg/d total contaminant intake per day for a 0.6 kg owl. The second equation divides the normalized dose (mg/d) by the ingestion rate of 120 g of food /d. This part of the second calculation results in a quantity with the units of mg/g or mg of contaminant per g of food. The final part of the second equation multiplies milligrams per gram (mg/g) by 1000 g/kg, resulting in a quantity that has the units of mg/kg, or mg of contaminant per kg of food. This final value can be compared directly to analytical results for small mammal contaminant body burdens. Since the calculation started with a toxicity reference value (TRV),

the final quantity from the calculation is a no-observed-adverse-effect level (NOAEL). The area use factor is assumed to be 100% for this calculation.

6. Attachment 1, Section 4.4, Radionuclides, pg. 9:

NMED Comment: *The text indicates that the only radionuclide that exceeded background concentrations was cesium. However, this is inconsistent with the human health risk assessment conducted for the trail user. Under this scenario, rubidium also exceeded background concentrations and was carried forward in the analysis. LANL shall discuss rubidium concentrations and justify the exclusion of this radionuclide from the discussion.*

LANL Response:
Rubidium was measured in four water samples and reported in µg/L, indicating that it was measured as a metal, not a radionuclide. Seventy-two percent of naturally-occurring rubidium Rb-85 is stable and 28% is naturally-occurring Rb-87 with a half-life of $5x10^{11}$ years. This information is from http://www.encyclopedia.com/html/r1/rubidium.asp. Rubidium was carried forward in the human health risk assessment because there are no screening values associated with this analyte as a metal and LANL does not have NMED-approved background values for water. If rubidium was present in the waters of Cañon de Valle, its effects upon the indigenous benthic macro-invertebrates and the *Chironomus tentans* toxicity tests were integrated into the overall responses of these organisms to contaminants in the environment.

Addendum-Section 1

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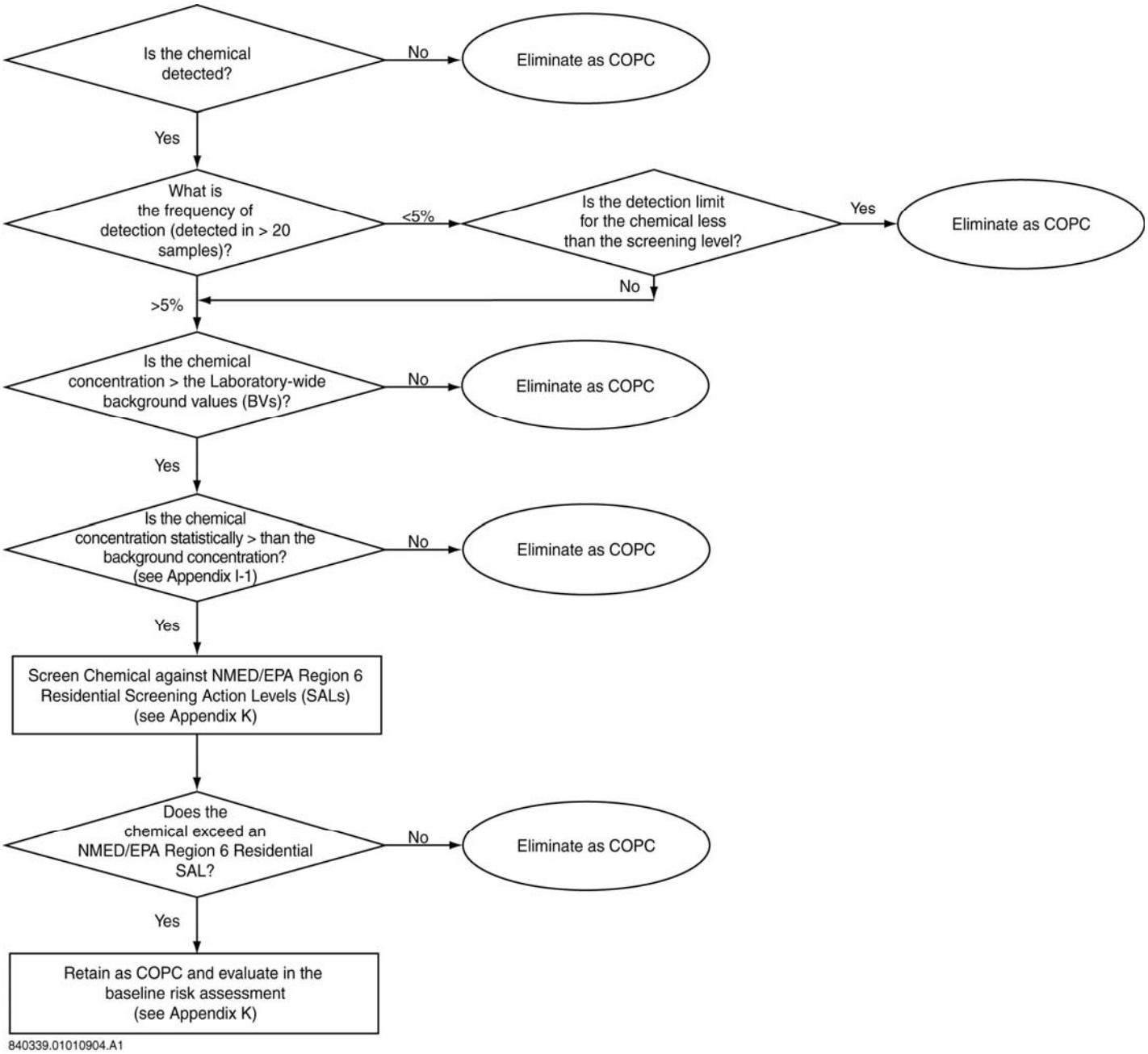
The following figures represent responses in accordance with the NMED comments. Figures with revisions are indicated by the word "Revised" in the figure caption.

Figure 1.5-1 COPC screening methodology for soil, sediment and tuff

Figure 1.5-2 COPC screening methodology for water



LEGEND	
BV =	Background Value
COPC =	Chemical of Potential Concern
EPA Region 6 SAL =	U.S. Environmental Protection Agency Region 6 Screening Action Level

Figure 1.5-1 (Revised). COPC screening methodology for soil, sediment, and tuff

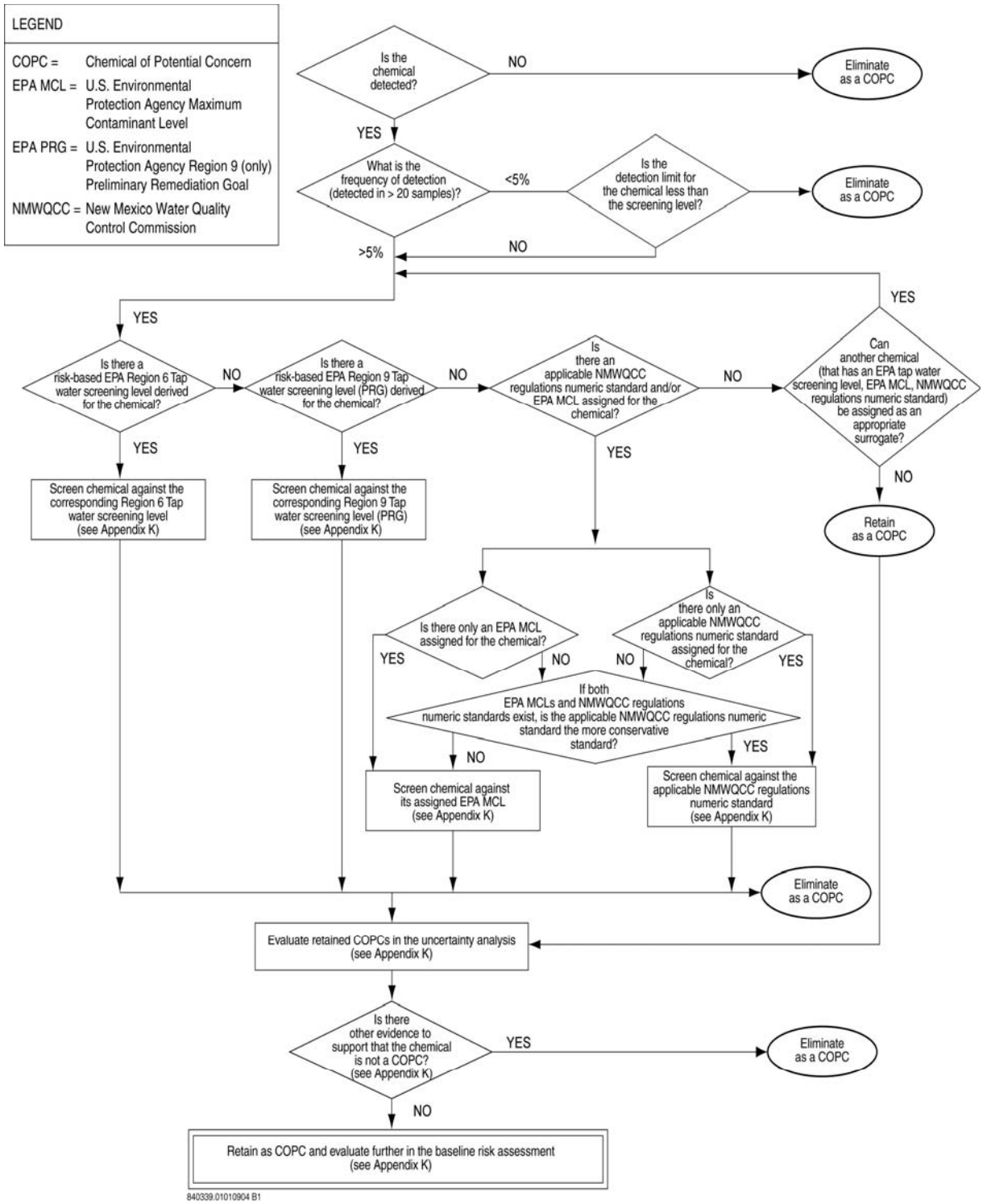


Figure 1.5-2 (Revised). COPC screening methodology for water

Addendum-Section 2

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The following tables represent responses in accordance with the NMED comments. Tables with revisions are indicated by the word "Revised" in the table title and shading to indicate changes from the last published version.

Table 2.3-1 Results of the Inorganic Data Review for Post-Removal IM Soil, Sediment, and Tuff Samples within the Source Area

Table 2.3-2 Results of the Organic Data Review for Post-Removal IM Soil, Sediment, and Tuff Samples within the Source Area

Table 2.3-1 (Revised)
Results of the Inorganic Data Review for Post-Removal IM
Soil, Sediment, and Tuff Samples within the Source Area

Chemical	Media Code	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Aluminum	ALLH[a]	Eliminated	No values above background value (BV).
	QBT3[b]	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
Antimony	ALLH	Eliminated	No values above BV.
	QBT3	Eliminated	No values above BV.
Arsenic	ALLH	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
	QBT3	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
Barium	ALLH	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
	QBT3	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
Beryllium	ALLH	Eliminated	No values above BV.
	QBT3	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
Cadmium	ALLH	Eliminated	No values above BV.
	QBT3	Eliminated	No values above BV.
Calcium	ALLH	Eliminated	Essential nutrient.
	QBT3	Eliminated	Essential nutrient.
Chromium	ALLH	Eliminated	No values above BV.
	QBT3	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
Cobalt	ALLH	Eliminated	No values above BV.
	QBT3	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
Copper	ALLH	Eliminated	No values above BV.
	QBT3	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
Iron	ALLH	**Retained**	Maximum detected value exceeds BV.
	QBT3	**Retained**	Maximum detected value exceeds BV.
Lead	ALLH	Eliminated	No values above BV.
	QBT3	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
Magnesium	ALLH	Eliminated	Essential nutrient.
	QBT3	Eliminated	Essential nutrient.
Manganese	ALLH	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
	QBT3	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]

Table 2.3-1 (Revised) (concluded)

Chemical	Media Code	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Mercury	ALLH	Eliminated	No values above BV.
	QBT3	Eliminated	No values above BV.
Nickel	ALLH	Eliminated	No values above BV.
	QBT3	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
Potassium	ALLH	Eliminated	Essential nutrient.
	QBT3	Eliminated	Essential nutrient.
Selenium	ALLH	Eliminated	No values above BV.
	QBT3	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
Silver	ALLH	**Retained**	Maximum value exceeds BV.
	QBT3	Eliminated	No values above BV.
Sodium	ALLH	Eliminated	Essential nutrient.
	QBT3	Eliminated	Essential nutrient.
Thallium	ALLH	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
	QBT3	Eliminated	No values above BV.
Uranium	ALLH	Eliminated	Although three samples exceed background, results of both the WRS Test and the Quantile Test indicate that the samples are statistically the same as background.[c]
	QBT3	Eliminated	No values above BV.
Vanadium	ALLH	Eliminated	No values above BV.
	QBT3	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]
Zinc	ALLH	Eliminated	Only one sample exceeds background and results of both the WRS Test and the Quantile Test indicate that the sample is statistically the same as background.[c]
	QBT3	**Retained**	Maximum detected value exceeds BV and dataset is statistically different than background.[c]

[a] ALLH = Soil All Data (may include soil and sediment).

[b] QBT3 = Unit 3 of the Quaternary Tshirege Member of the Bandelier Tuff.

[c] See Appendix I for further discussion.

Table 2.3-2
Results of the Organic Data Review for Post-Removal IM
Soil, Sediment, and Tuff Samples within the Source Area

Chemical	Media Code	Retained/ Eliminated	Rationale for Retaining/Eliminating as a Chemical of Potential Concern (COPC)
Amino-2,6-dinitrotoluene[4-]	ALLH[a]	**Retained**	Detected in 1 out of 16 samples at 0.503 milligrams (mg) per kilogram (kg).
	QBT3[b]	**Retained**	Detected in 3 out of 4 samples up to 2.2 mg/kg.
Amino-4,6-dinitrotoluene[2-]	ALLH	**Retained**	Detected in 1 out of 16 samples at 0.945 mg/kg.
Anthracene	ALLH	**Retained**	Detected in 2 out of 16 samples up to 0.067 mg/kg.
	QBT3	**Retained**	Detected in 1 out of 4 samples at 0.26 mg/kg.
Aroclor-1254	ALLH	**Retained**	Detected in 1 out of 5 samples at 0.041 mg/kg.
Aroclor-1260	ALLH	**Retained**	Detected in 1 out of 5 samples at 0.043 mg/kg.
Benzoic Acid	ALLH	**Retained**	Detected in 1 out of 16 samples at 0.022 mg/kg.
Bis(2-ethylhexyl)phthalate	ALLH	**Retained**	Detected in 2 out of 16 samples up to 0.79 mg/kg.
	QBT3	**Retained**	Detected in 2 out of 4 samples up to 0.77 mg/kg.
Butanone[2-]	ALLH	**Retained**	Detected in 1 out of 16 samples at 0.0075 mg/kg.
Di-n-butylphthalate	ALLH	**Retained**	Detected in 1 out of 16 samples at 0.086 mg/kg.
Dinitrotoluene[2,4-]	ALLH	**Retained**	Detected in 7 out of 32 samples up to 0.33 mg/kg.
	QBT3	**Retained**	Detected in 2 out of 8 samples up to 0.18 mg/kg.
Dinitrotoluene[2,6-]	ALLH	**Retained**	Less than 5% detected but the maximum detection limit of 52 mg/kg exceeds the human health occupational screening limit of 6.1 mg/kg. Retained for further evaluation (see Appendix K).
	QBT3	**Retained**	Detected in 1 out of 8 samples at 0.066 mg/kg.
HMX	ALLH	**Retained**	Detected in 15 out of 16 samples up to 2000 mg/kg.
	QBT3	**Retained**	Detected in 4 out of 4 samples up to 670 mg/kg.
Isopropyltoluene[4-]	ALLH	**Retained**	Detected in 3 out of 16 samples up to 0.0013 mg/kg.
Methylene Chloride	ALLH	**Retained**	Detected in 1 out of 16 samples at 0.0013 mg/kg.
Naphthalene	ALLH	**Retained**	Detected in 1 out of 16 samples at 0.052 mg/kg.
RDX	ALLH	**Retained**	Detected in 6 out of 16 samples up to 745 mg/kg.
	QBT3	**Retained**	Detected in 4 out of 4 samples up to 1200 mg/kg.
Tetryl	QBT3	**Retained**	Detected in 1 out of 4 samples at 0.98 mg/kg.
Toluene	ALLH	**Retained**	Detected in 4 out of 16 samples up to 0.0019 mg/kg.
Trichlorobenzene[1,2,4-]	ALLH	**Retained**	Detected in 1 out of 16 samples at 0.4 mg/kg.
Trichlorofluoromethane	ALLH	**Retained**	Detected in 2 out of 16 samples up to 0.018 mg/kg.
Trinitrobenzene[1,3,5-]	ALLH	**Retained**	Detected in 1 out of 16 samples at 0.216 mg/kg.
Trinitrotoluene[2,4,6-]	ALLH	**Retained**	Detected in 5 out of 16 samples up to 270 mg/kg.
	QBT3	**Retained**	Detected in 4 out of 4 samples up to 330 mg/kg.

[a] ALLH = Soil All Data (may include soil and sediment).

[b] QBT3 = Unit 3 of Quaternary Tshirege Member of the Bandelier Tuff.

Addendum-Section 3

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The following tables represent responses in accordance with the NMED comments. Tables with revisions are indicated by the word "Revised" in the table title and shading to indicate changes from the last published version.

Table 3.4-2 Screening of Inorganic Chemicals Detected in Cañon de Valle Surface Water Samples

Table 3.4-3 Retained and Eliminated Inorganic Chemicals in Cañon de Valle Surface Water Samples

Table 3.4-5 Screening of Organic Chemicals Detected in Cañon de Valle Surface Water Samples

Table 3.4-6 Retained and Eliminated Organic Chemicals in Cañon de Valle Surface Water Samples

Table 3.4-8 Screening of Tritium in Cañon de Valle Surface Water Samples

Table 3.4-9 Retained and Eliminated Tritium in Cañon de Valle Surface Water Samples

Table 3.4-11 Screening of Inorganic Chemicals Detected in Cañon de Valle Alluvial Groundwater Samples

Table 3.4-12 Retained and Eliminated Inorganic Chemicals in Cañon de Valle Alluvial Groundwater Samples

Table 3.4-14 Screening of Organic Chemicals Detected in Cañon de Valle Alluvial Groundwater Samples

Table 3.4-15 Retained and Eliminated Organic Chemicals in Cañon de Valle Alluvial Groundwater Samples

Table 3.4-17 Screening of Tritium in Cañon de Valle Alluvial Groundwater Samples

Table 3.4-18 Retained and Eliminated Tritium for Cañon de Valle Alluvial Groundwater Samples

Table 3.4-20 Screening of Inorganic Chemicals Detected in Martin Spring Canyon Surface Water Samples

Table 3.4-21 Retained and Eliminated Inorganic Chemicals in Martin Spring Canyon Surface Water Samples

Table 3.4-23 Screening of Organic Chemicals Detected in Martin Spring Canyon Surface Water Samples

Table 3.4-24 Retained and Eliminated Organic Chemicals in Martin Spring Canyon Surface Water Samples

Table 3.4-26 Screening of Inorganic Chemicals Detected in Martin Spring Canyon Alluvial Groundwater Samples

Table 3.4-27 Retained and Eliminated Inorganic Chemicals in Martin Spring Canyon Alluvial Groundwater Samples

Table 3.4-29 Screening of Organic Chemicals Detected in Martin Spring Canyon Alluvial Groundwater Samples

Table 3.4-30 Retained and Eliminated Organic Chemicals in Martin Spring Canyon Alluvial Groundwater Samples

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Table 3.4-32	Screening of Tritium Detected in Martin Spring Canyon Alluvial Groundwater Samples
Table 3.4-33	Retained and Eliminated Tritium in Martin Spring Canyon Alluvial Groundwater Samples
Table 3.4-35	Retained and Eliminated Inorganic Chemicals in Cañon de Valle Alluvial Sediment Samples
Table 3.4-37	Retained and Eliminated Organic Chemicals in Cañon de Valle Alluvial Sediment Samples
Table 3.4-39	Retained and Eliminated Inorganic Chemicals in Martin Spring Canyon Alluvium, Sediment, and Tuff Samples
Table 3.4-41	Retained and Eliminated Organic Chemicals in Martin Spring Canyon Alluvium, Sediment, and Tuff Samples
Table 3.4-44	Table of Retained COPCs for Cañon de Valle and Martin Spring Canyon

Table 3.4-2 (Revised)
Screening of Inorganic Chemicals Detected in Cañon de Valle Surface Water Samples

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Aluminum	RE16-01-3231	Max. Detected Value	22,700		37,000	36,000	na[a]	750[b]	5000[c,d]	50	**No**
	RE16-01-3132	Max. Undetected Value	589	(U)[e]	37,000	36,000	na	750[b]	5000[c,d]	50	**No**
Antimony	RE16-99-3075	Max. Detected Value	6.4	(J)[f]	15	15	4300	na	na	6	**No**
	RE16-98-3112	Max. Undetected Value	33	(U)	15	15	4300	na	na	6	Yes
Arsenic	RE16-98-3021	Max. Detected Value	8.3	(J)	0.045	0.045	24.2	340[b]	100[g]	10	**Yes**
	RE16-01-3278	Max. Undetected Value	5	(U)	0.045	0.045	24.2	340[b]	100[g]	10	**Yes**
Barium	RE16-01-3072	Max. Detected Value	16,300		2600	2600	na	na	1000[g]	2000	Yes
Beryllium	RE16-00-3141	Max. Detected Value	1.3	(J)	73	73	na	5.3	na	4	No
	RE16-00-3131	Max. Undetected Value	4	(U)	73	73	na	5.3	na	4	No
Boron	RE16-00-3163	Max. Detected Value	69.2	(J)	3300	7300	na	na	750[c]	na	No
	RE16-00-3132	Max. Undetected Value	500	(U)	3300	7300	na	na	750[c]	na	No
Cadmium	RE16-00-3268	Max. Detected Value	1.6	(J)	18	18	na	912[b]	10[g]	5	No
	RE16-00-3316	Max. Undetected Value	5	(U)	18	18	na	912[b]	10[g]	5	No
Calcium	RE16-00-3163	Max. Detected Value	44,300		na	na	na	na	na	na	na
Cesium	RE16-98-3018	Max. Detected Value	800		na	na	na	na	na	na	na
Chloride	RE16-99-3199	Max. Detected Value	39,000		na	na	na	na	250,000[h]	250,000	No

Table 3.4-2 (Revised) (continued)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Chromium	RE16-99-3047	Max. Detected Value	34.6		110[i]	110[i]	na	130,000[b]	50[g]	100	No
	RE16-98-3020	Max. Undetected Value	5.9	(U)	110[i]	110[i]	na	130,000[b]	50[g]	100	No
Cobalt	RE16-98-3021	Max. Detected Value	12.9	(J)	730	730	na	na	50[c]	na	No
	RE16-00-3131	Max. Undetected Value	20	(U)	730	730	na	na	50[c]	na	No
Copper	RE16-01-3250	Max. Detected Value	75.3		1400	1500	na	6960[b]	500[d]	1000	No
	RE16-01-3152	Max. Undetected Value	15.3	(U)	1400	1500	na	6960[b]	500[d]	1000	No
Fluoride	RE16-00-3163	Max. Detected Value	432		2200	2200	na	na	1600[g]	2000	No
	RE16-98-3107	Max. Undetected Value	1000	(U)	2200	2200	na	na	1600[g]	2000	No
Iron	RE16-98-3021	Max. Detected Value	17,700		11,000	11,000	na	na	1000[h]	300	Yes
	RE16-01-3150	Max. Undetected Value	406	(U)	11,000	11,000	na	na	1000[h]	300	Yes
Lead	RE16-01-3072	Max. Detected Value	24.1		15	na	-66,600[b,j]	na	50[g]	15	Yes
	RE16-98-3107	Max. Undetected Value	4.2	(U)	15	na	-66,600[b,j]	na	50[g]	15	No
Lithium	RE16-98-3021	Max. Detected Value	25.8		730	730	na	na	na	na	No
Magnesium	RE16-00-3164	Max. Detected Value	9590		na	na	na	na	na	na	na
Manganese	RE16-98-3081	Max. Detected Value	2290		1700	880	na	na	200[h]	50	Yes
	RE16-98-3114	Max. Undetected Value	8.8	(U)	1700	880	na	na	200[h]	50	No

Table 3.4-2 (Revised) (continued)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Mercury	RE16-01-3154	Max. DetecteValue	0.97		11	11	na	2.4[b]	0.77[k]	2	**No**
	RE16-01-3080	Max. Undetected Value	1	(U)	11	11	na	2.4[b]	0.77[k]	2	**No**
Molybdenum	RE16-98-3021	Max. Detected Value	6.3	(J)	180	180	na	na	1000[c]	na	No
	RE16-98-3044	Max. Undetected Value	4.9	(U)	180	180	na	na	1000[c]	na	No
Nickel	RE16-01-3231	Max. Detected Value	13.2	(J)	730	730	4600	128,000[b]	200[c]	na	No
	RE16-00-3132	Max. Undetected Value	40	(U)	730	730	4600	128,000[b]	200[c]	na	No
Nitrate	RE16-98-3018	Max. Detected Value	900		10,000	10,000	na	na	10,000[g]	10,000	No
	RE16-98-3020	Max. Undetected Value	200	(U)	10,000	10,000	na	na	10,000[g]	10,000	No
Nitrate-Nitrite as N	RE16-01-3130	Max. Detected Value	49,200		na	na	na	na	10,000	na	Yes
	RE16-00-3313	Max. Undetected Value	1110	(U)	na	na	na	na	10,000	na	No
Perchlorate	RE16-00-3133	Max. Detected Value	17.1		3.70	3.60	na	na	4[l]	na	Yes
	RE16-00-3150	Max. Undetected Value	20	(U)	3.70	3.60	na	na	4[l]	na	Yes
Potassium	RE16-00-3163	Max. Detected Value	11,000		na	na	na	na	na	na	na
	RE16-01-3196	Max. Undetected Value	2330	(U)	na	na	na	na	na	na	na
Selenium	RE16-01-3280	Max. Detected Value	5.33		180	180	11,000	na	5[i]	50	**No**
	RE16-02-45961	Max. Undetected Value	5	(U)	180	180	11,000	na	5[i]	50	No

Table 3.4-2 (Revised) (concluded)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Silver	RE16-98-3081	Max. Detected Value	1380		180	180	na	311,000[b]	50[g]	100	Yes
	RE16-00-3131	Max. Undetected Value	10	(U)	180	180	na	311,000[b]	50[g]	100	No
Sodium	RE16-00-3208	Max. Detected Value	26,200		na	na	na	na	na	na	na
Strontium	RE16-98-3019	Max. Detected Value	133		22,000	22,000	na	na	na	na	No
Sulfate	RE16-00-3133	Max. Detected Value	31,700		na	na	na	na	600,000[h]	250,000	No
Thallium	RE16-98-3083	Max. Detected Value	5.9	(J)	2.90[m]	2.40	6.3	na	na	2	Yes
	RE16-99-3023	Max. Undetected Value	5.6	(U)	2.90[m]	2.40	6.3	na	na	2	Yes
Uranium	RE16-00-3163	Max. Detected Value	1.91		na	7.30	na	na	5000[g]	30	No
	RE16-98-3044	Max. Undetected Value	126	(U)	na	7.30	na	na	5000[g]	30	Yes
Vanadium	RE16-98-3021	Max. Detected Value	33.1	(J)	37	260	na	na	100[c]	na	No
	RE16-00-3132	Max. Undetected Value	10	(U)	37	260	na	na	100[c]	na	No
Zinc	RE16-02-45961	Max. Detected Value	100		11,000	11,000	69,000	32,300[b]	10,000[h]	5000	No
	RE16-00-3207	Max. Undetected Value	38.1	(U)	11,000	11,000	69,000	32,300[b]	10,000[h]	5000	No

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867; and California DHS 2003, 76862.

[a] na = Not available.

[b] Calculated using the minimum hardness determined, 76,000 µg/L.

[c] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

[d] NMWQCC Groundwater Standard for Irrigation Use (20 NMAC 6.2.3103).

[e] (U) = The chemical is classified "undetected."

[f] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[g] NMWQCC Groundwater Human Health Standard (20 NMAC 6.2.3103).

[h] NMWQCC Groundwater Other Standards for Domestic Water Supply (20 NMAC 6.2.3103).

[i] Denotes Chromium VI value was used.

[j] Negative value is an artifact of hardness correction calculation.

[k] NMWQCC Surface Water Standard for Wildlife Habitat (20 NMAC 6.4.900).

[l] California DHS 2003, 76862.

[m] Denotes Thallium Carbonate was used.

Table 3.4-3 (Revised)
Retained and Eliminated Inorganic Chemicals in Cañon de Valle Surface Water Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Aluminum	Eliminated	No values above screening limit.
Antimony	**Retained**	Maximum value exceeds screening limit.
Arsenic	**Retained**	Maximum value exceeds screening limit.
Barium	**Retained**	Maximum value exceeds screening limit.
Beryllium	Eliminated	No values above screening limit.
Boron	Eliminated	No values above screening limit.
Cadmium	Eliminated	No values above screening limit.
Calcium	Eliminated	Essential nutrient.
Cesium	**Retained**	No screening value available, retained for further evaluation.
Chloride	Eliminated	No values above screening limit.
Chromium	Eliminated	No values above screening limit.
Cobalt	Eliminated	No values above screening limit.
Copper	Eliminated	No values above screening limit.
Fluoride	Eliminated	No values above screening limit.
Iron	**Retained**	Maximum value exceeds screening limit.
Lead	**Retained**	Maximum value exceeds screening limit.
Lithium	Eliminated	No values above screening limit.
Manganese	**Retained**	Maximum value exceeds screening limit.
Magnesium	Eliminated	Essential nutrient.
Mercury	Eliminated	No values above screening limit.
Molybdenum	Eliminated	No values above screening limit.
Nickel	Eliminated	No values above screening limit.
Nitrate	Eliminated	No values above screening limit.
Nitrate-Nitrite as N	**Retained**	Maximum value exceeds screening limit.
Perchlorate	**Retained**	Maximum value exceeds screening limit.
Potassium	Eliminated	Essential nutrient.
Selenium	Eliminated	No values above screening limit.

Table 3.4-3 (Revised) (concluded)

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Silver	**Retained**	Maximum value exceeds screening limit.
Sodium	Eliminated	Essential nutrient.
Strontium	Eliminated	No values above screening limit.
Sulfate	Eliminated	No values above screening limit.
Thallium	**Retained**	Maximum value exceeds screening limit.
Uranium	**Retained**	Detection limit exceeds the screening limit.
Vanadium	Eliminated	No values above screening limit.
Zinc	Eliminated	No values above screening limit.

Table 3.4-5 (Revised)
Screening of Organic Chemicals Detected in Cañon de Valle Surface Water Samples

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Acetone	RE16-98-3021	Max. Detected Value	27	(J-)[a]	33,000	610	na[b]	na	na	na	No
	RE16-01-3196	Max. Undetected Value	30	(U)[c]	33,000	610	na	na	na	na	No
Amino-2,6-dinitrotoluene[4-]	RE16-00-3313	Max. Detected Value	14		37	36	na	na	na	na	No
	RE16-00-3319	Max. Undetected Value	2.7	(U)	37	36	na	na	na	na	No
Amino-4,6-dinitrotoluene[2-]	RE16-00-3313	Max. Detected Value	13		37	36	na	na	na	na	No
	RE16-00-3327	Max. Undetected Value	2.5	(U)	37	36	na	na	na	na	No
Amino-x,6-dinitrotoluene[x-]	RE16-00-3207	Max. Detected Value	9.4		37	36	na	na	na	na	No
	RE16-98-3045	Max. Undetected Value	0.4	(U)	37	36	na	na	na	na	No
Bis(2-ethylhexyl)phthalate	RE16-99-3199	Max. Detected Value	1.6	(J)[d]	4.80	4.80	59	na	na	6	No
	RE16-98-3081	Max. Undetected Value	12	(U)	4.80	4.80	59	na	na	6	Yes
Butanone[2-]	RE16-02-45203	Max. Detected Value	4.3	(J)	7100	1900	na	na	na	na	No
	RE16-98-3082	Max. Undetected Value	20	(U)	7100	1900	na	na	na	na	No
Dichloroethene[cis-1,2-]	RE16-00-3133	Max. Detected Value	27		61	61	na	na	na	70	No
	RE16-98-3019	Max. Undetected Value	10	(U)	61	61	na	na	na	70	No
DNX	RE16-01-3251	Max. Detected Value	1.3	(J-)	0.61	0.61	na	na	na	na	Yes
	RE16-02-45961	Max. Undetected Value	0.5	(U)	0.61	0.61	na	na	na	na	No

Table 3.4-5 (Revised) (continued)

Chemical	Sample ID	Sample Concentration (µg/L)		EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
HMX	RE16-00-3315	Max. Detected Value	120	1800	1800	na	na	na	na	No
	RE16-00-3163	Max. Undetected Value	1.7 (U)	1800	1800	na	na	na	na	No
Methylene Chloride	RE16-01-3142	Max. Detected Value	1.1 (J)	4.30	4.30	16,000	na	100[e]	5	No
	RE16-00-3207	Max. Undetected Value	38 (U)	4.30	4.30	16,000	na	100[e]	5	Yes
MNX	RE16-01-3251	Max. Detected Value	1 (J-)	0.61	0.61	na	na	na	na	Yes
	RE16-02-45203	Max. Undetected Value	0.5 (U)	0.61	0.61	na	na	na	na	No
Naphthalene	RE16-99-3046	Max. Detected Value	0.7 (J)	6.20	6.20	na	na	30[e]	na	No
	RE16-98-3084	Max. Undetected Value	15 (U)	6.20	6.20	na	na	30[e]	na	**Yes**
Nitroglycerin	RE16-99-3256	Max. Detected Value	1.1 (J)	na	4.80	na	na	na	na	No
	RE16-00-3315	Max. Undetected Value	5 (U)	na	4.80	na	na	na	na	Yes
Nitrotoluene[2-]	RE16-01-3278	Max. Detected Value	0.1	1400	61	na	na	na	na	No
	RE16-99-3064	Max. Undetected Value	20 (U)	1400	61	na	na	na	na	No
RDX	RE16-99-3066	Max. Detected Value	290	0.61	0.61	na	na	na	na	Yes
	RE16-00-3163	Max. Undetected Value	0.9 (U)	0.61	0.61	na	na	na	na	Yes
Tetrachloroethene	RE16-00-3133	Max. Detected Value	42	0.10	0.66	88.5	na	20[e]	5	Yes
	RE16-98-3082	Max. Undetected Value	5 (U)	0.10	0.66	88.5	na	20[e]	5	**Yes**

Table 3.4-5 (Revised) (concluded)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
TNX	RE16-01-3251	Max. Detected Value	0.6	(J-)	0.61	0.61	na	na	na	na	No
	RE16-02-45223	Max. Undetected Value	0.5	(U)	0.61	0.61	na	na	na	na	No
Trichloro-1,2,2-trifluoroethane[1,1,2-]	RE16-00-3207	Max. Detected Value	5		59,000	na	na	na	na	na	No
	RE16-99-3016	Max. Undetected Value	5	(U)	59,000	na	na	na	na	na	No
Trichlorobenzene[1,2,3-]	RE16-99-3046	Max. Detected Value	0.9	(J)	na	na	na	na	na	70	No
	RE16-98-3082	Max. Undetected Value	5	(U)	na	na	na	na	na	70	No
Trichloroethene	RE16-00-3133	Max. Detected Value	10		0.028	0.028	810	na	100[e]	5	Yes
	RE16-98-3082	Max. Undetected Value	5	(U)	0.028	0.028	810	na	100[e]	5	**Yes**
Trinitrobenzene[1,3,5-]	RE16-01-3150	Max. Detected Value	0.1		1100	1100	na	na	na	na	No
	RE16-00-3315	Max. Undetected Value	5.2	(U)	1100	1100	na	na	na	na	No
Trinitrotoluene[2,4,6-]	RE16-00-3313	Max. Detected Value	6.2		2.20	2.20	na	na	na	na	Yes
	RE16-99-3064	Max. Undetected Value	5	(U)	2.20	2.20	na	na	na	na	Yes

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867; and California DHS 2003, 76862.

[a] (J-) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.

[b] na = Not available.

[c] (U) = The chemical is classified "not detected."

[d] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[e] NMWQCC Groundwater Human Health Standard (20 NMAC 6.2.3103).

Table 3.4-6 (Revised)
Retained and Eliminated Organic Chemicals in Cañon de Valle Surface Water Samples

Chemical	Retained/ Eliminated	Rationale for Retaining/Eliminating as a COPC
Acetone	Eliminated	No values above screening limit.
Amino-2,6-dinitrotoluene[4-]	Eliminated	No values above screening limit.
Amino-4,6-dinitrotoluene[2-]	Eliminated	No values above screening limit.
Amino-x,6-dinitrotoluene[x-]	Eliminated	No values above screening limit.
Bis(2-ethylhexyl)phthalate	**Retained**	Detection limit exceeds screening limit.
Butanone[2-]	Eliminated	No values above screening limit.
Dichloroethene[cis-1,2-]	Eliminated	No values above screening limit.
DNX	**Retained**	Maximum value exceeds screening limit.
HMX	Eliminated	No values above screening limit.
Methylene Chloride	**Retained**	Less than 5% of analyses result in a detection but the detection limit exceeds the screening limit.
MNX	**Retained**	Maximum value exceeds screening limit.
Naphthalene	**Retained**	Detection limit exceeds screening limit.
Nitroglycerin	**Retained**	Less than 5% of analyses result in a detection but the detection limit exceeds the screening limit.
Nitrotoluene[2-]	Eliminated	Greater than 20 analyses were taken and the number of detected values comprise less than 5% of the total number of analyses.
RDX	**Retained**	Maximum value exceeds screening limit.
Tetrachloroethene	**Retained**	Maximum value exceeds screening limit.
TNX	Eliminated	No values above screening limit.
Trichloro-1,2,2-trifluoroethane[1,1,2-]	Eliminated	Greater than 20 analyses were taken and the number of detected values comprise less than 5% of the total number of analyses.
Trichlorobenzene[1,2,3-]	Eliminated	No values above screening limit.
Trichloroethene	**Retained**	Maximum value exceeds screening limit.
Trinitrobenzene[1,3,5-]	Eliminated	Greater than 20 analyses were taken and the number of detected values comprise less than 5% of the total number of analyses.
Trinitrotoluene[2,4,6-]	**Retained**	Maximum value exceeds screening limit.

Table 3.4-8 (Revised)
Screening of Tritium in Cañon de Valle Surface Water Samples

Chemical	Sample ID	Sample Concentration (pCi/L)		EPA Region 6 Tap Water Screening Level (pCi/L)	EPA Region 9 Tap Water PRG (pCi/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Chronic) SW Standard (µg/L)	NMWQCC Standard (pCi/L)	EPA MCL (pCi/L)	Exceeds Screening Limit
Tritium	RE16-01-3126	Max. Detected Value	167.4	na	na[a]	na	na	20,000[b]	20,000	No
	RE16-00-3141	Max. Undetected Value	4 (U)[c]	na	na	na	na	20,000[b]	20,000	No

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] na = Not available.

[b] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

[c] (U) = The chemical is classified "undetected."

Table 3.4-9
Retained and Eliminated Tritium in Cañon de Valle Surface Water Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Tritium	Eliminated	No values above screening limit.

Table 3.4-11 (Revised)
Screening of Inorganic Chemicals Detected in Cañon de Valle Alluvial Groundwater Samples

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Aluminum	RE16-00-3299	Max. Detected Value	151,000		37,000	36,000	5000[a,b]	50	Yes
	RE16-99-3245	Max. Undetected Value	320	(U)[c]	37,000	36,000	5000[a,b]	50	**No**
Antimony	RE16-98-3003	Max. Detected Value	10.9	(J)[d]	15	15	na[e]	6	**No**
	RE16-98-3037	Max. Undetected Value	20	(U)	15	15	na	6	Yes
Arsenic	RE16-99-3034	Max. Detected Value	19		0.045	0.045	100[f]	10	Yes
	RE16-00-3119	Max. Undetected Value	9.3	(U)	0.045	0.045	100[f]	10	**Yes**
Barium	RE16-99-3036	Max. Detected Value	18,000		2600	2600	1000[f]	2000	Yes
Beryllium	RE16-01-3001	Max. Detected Value	8.5		73	73	na	4	**No**
	RE16-98-3037	Max. Undetected Value	4	(U)	73	73	na	4	No
Boron	RE16-00-3299	Max. Detected Value	92.6	(J)	3300	7300	750[a]	na[e]	No
	RE16-00-3115	Max. Undetected Value	500	(U)	3300	7300	750[a]	na	No
Cadmium	RE16-99-3032	Max. Detected Value	11.3		18	18	10[f]	5	**No**
	RE16-01-3166	Max. Undetected Value	5.9	(U)	18	18	10[f]	5	**No**
Calcium	RE16-00-3220	Max. Detected Value	37,000		na	na	na	na	na
Cesium	RE16-98-3006	Max. Detected Value	1300		na	na	na	na	na
Chloride	RE16-02-45925	Max. Detected Value	41,800		na	na	250,000[g]	250,000	No

Table 3.4-11 (Revised) (continued)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Chromium	RE16-00-3299	Max. Detected Value	87.9		110[h]	110[h]	50[f]	100	**No**
	RE16-98-3035	Max. Undetected Value	40	(U)	110[h]	110[h]	50[f]	100	No
Cobalt	RE16-01-3166	Max. Detected Value	25.4	(J)	730	730	50[a]	na	No
	RE16-98-3037	Max. Undetected Value	20	(U)	730	730	50[a]	na	No
Copper	RE16-99-3034	Max. Detected Value	81.7		1400	1500	500[b]	1000	No
	RE16-98-3035	Max. Undetected Value	40	(U)	1400	1500	500[b]	1000	No
Cyanide (Total)	RE16-98-3004	Max. Detected Value	10		730[i]	730[i]	5.2[j]	200	**No**
	RE16-98-3002	Max. Undetected Value	10	(U)	730[i]	730[i]	5.2[j]	200	**No**
Fluoride	RE16-01-3001	Max. Detected Value	1180		2200	2200	1600[f]	2000	No
	RE16-98-3008	Max. Undetected Value	100	(U)	2200	2200	1600[f]	2000	No
Iron	RE16-00-3299	Max. Detected Value	93,900		11,000	11,000	1000[g]	300	Yes
	RE16-99-3009	Max. Undetected Value	253	(U)	11,000	11,000	1000[g]	300	No
Lead	RE16-98-3007	Max. Detected Value	109		15	na	50[f]	15	Yes
	RE16-01-3229	Max. Undetected Value	3.2	(U)	15	na	50[f]	15	No
Lithium	RE16-98-3001	Max. Detected Value	34.2	(J)	730	730	na	na	No
	RE16-98-3059	Max. Undetected Value	5.4	(U)	730	730	na	na	No
Magnesium	RE16-00-3299	Max. Detected Value	17,700		na	na	na	na	na
	RE16-98-3037	Max. Undetected Value	5300	(U)	na	na	na	na	na

Table 3.4-11 (Revised) (continued)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Manganese	RE16-98-3033	Max. Detected Value	4340		1700	880	200[g]	50	Yes
	RE16-98-3036	Max. Undetected Value	10	(U)	1700	880	200[g]	50	No
Mercury	RE16-01-3009	Max. Detected Value	4.4		11	11	0.77[j]	2	**No**
	RE16-01-3008	Max. Undetected Value	0.44	(U)	11	11	0.77[j]	2	No
Molybdenum	RE16-98-3004	Max. Detected Value	10.2	(J)	180	180	1000[a]	na	No
	RE16-98-3030	Max. Undetected Value	4.9	(U)	180	180	1000[a]	na	No
Nickel	RE16-99-3034	Max. Detected Value	58.3		730	730	200[a]	na	No
	RE16-98-3037	Max. Undetected Value	40	(U)	730	730	200[a]	na	No
Nitrate	RE16-99-3034	Max. Detected Value	3000		10,000	10,000	10,000[f]	10,000	No
	RE16-01-3007	Max. Undetected Value	250	(U)	10,000	10,000	10,000[f]	10,000	No
Nitrate-Nitrite as N	RE16-00-3299	Max. Detected Value	7330		na	na	10,000[f]	10,000	No
	RE16-01-3007	Max. Undetected Value	1000	(U)	na	na	10,000[f]	10,000	No
Perchlorate	RE16-00-3117	Max. Detected Value	19.1		3.70	3.60	4[k]	na	Yes
	RE16-01-3001	Max. Undetected Value	4.79	(U)	3.70	3.60	4[k]	na	Yes
Potassium	RE16-00-3299	Max. Detected Value	22,100		na	na	na	na	na
	RE16-98-3037	Max. Undetected Value	5000	(U)	na	na	na	na	na
Rubidium	RE16-98-3006	Max. Detected Value	900		na	na	na	na	na
	RE16-98-3005	Max. Undetected Value	50	(U)	na	na	na	na	na

Table 3.4-11 (Revised) (continued)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Selenium	RE16-01-3001	Max. Detected Value	14		180	180	5[j]	50	**No**
	RE16-00-3117	Max. Undetected Value	8	(UJ)[l]	180	180	5[j]	50	**No**
Silver	RE16-01-3001	Max. Detected Value	8.4	(J)	180	180	50[f]	100	No
	RE16-98-3037	Max. Undetected Value	10	(U)	180	180	50[f]	100	No
Sodium	RE16-01-3161	Max. Detected Value	146,000		na	na	na	na	na
	RE16-98-3035	Max. Undetected Value	17,000	(U)	na	na	na	na	na
Strontium	RE16-98-3007	Max. Detected Value	220		22,000	22,000	na	na	No
Sulfate	RE16-01-3100	Max. Detected Value	109,000		na	na	600,000[g]	250,000	No
Thallium	RE16-98-3030	Max. Detected Value	7.6	(J)	2.90[m]	2.40	na	2	Yes
	RE16-98-3000	Max. Undetected Value	9.1	(U)	2.90[m]	2.40	na	2	Yes
Uranium	RE16-00-3117	Max. Detected Value	8.38		na	7.30	5000[f]	30	**Yes**
	RE16-98-3030	Max. Undetected Value	126	(U)	na	7.30	5000[f]	30	Yes
Vanadium	RE16-00-3299	Max. Detected Value	132		37	260	100[b]	na	Yes
	RE16-01-3164	Max. Undetected Value	12.3	(U)	37	260	100[b]	na	No
Zinc	RE16-99-3034	Max. Detected Value	1840		11,000	11,000	10,000[g]	5000	No
	RE16-00-3238	Max. Undetected Value	189	(U)	11,000	11,000	10,000[g]	5000	No

Table 3.4-11 (Revised) (concluded)

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867; and California DHS 2003, 76862.

[a] NMWQCC Groundwater Standard for Irrigation Use (20 NMAC 6.2.3103).

[b] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

[c] (U) = The chemical is classified "undetected."

[d] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[e] na = Not available.

[f] NMWQCC Groundwater Human Health Standard (20 NMAC 6.2.3103).

[g] NMWQCC Groundwater Other Standards for Domestic Water Supply (20 NMAC 6.2.3103).

[h] Denotes Chromium VI value was used.

[i] This value is for free cyanide.

[j] NMWQCC Surface Water Standard for Wildlife Habitat (20 NMAC 6.4.900).

[k] California DHS 2003, 76862.

[l] (UJ) = The chemical is classified "undetected" with an expectation that the reported result is more uncertain than usual.

[m] Denotes Thallium Carbonate value was used.

Table 3.4-12 (Revised)
Retained and Eliminated Inorganic Chemicals in Cañon de Valle Alluvial Groundwater Samples

Chemical	Retained/ Eliminated	Rationale for Retaining/Eliminating as a COPC
Aluminum	**Retained**	Maximum value exceeds screening limit.
Antimony	**Retained**	Detection limit exceeds the screening limit.
Arsenic	**Retained**	Maximum value exceeds screening limit.
Barium	**Retained**	Maximum value exceeds screening limit.
Beryllium	Eliminated	No values above screening limit.
Boron	Eliminated	No values above screening limit.
Cadmium	Eliminated	No values above screening limit.
Calcium	Eliminated	Essential nutrient.
Cesium	**Retained**	No screening value available, retained for further evaluation.
Chloride	Eliminated	No values above screening limit.
Chromium	Eliminated	No values above screening limit.
Cobalt	Eliminated	No values above screening limit.
Copper	Eliminated	No values above screening limit.
Cyanide (Total)	Eliminated	No values above screening limit.
Fluoride	Eliminated	No values above screening limit.
Iron	**Retained**	Maximum value exceeds screening limit.
Lead	**Retained**	Maximum value exceeds screening limit.
Lithium	Eliminated	No values above screening limit.
Magnesium	Eliminated	Essential nutrient.
Manganese	**Retained**	Maximum value exceeds screening limit.
Mercury	Eliminated	No values above screening limit.
Molybdenum	Eliminated	No values above screening limit.
Nickel	Eliminated	No values above screening limit.
Nitrate	Eliminated	No values above screening limit.
Nitrate-Nitrite as N	Eliminated	No values above screening limit.
Perchlorate	**Retained**	Maximum value exceeds screening limit.
Potassium	Eliminated	Essential nutrient.

Table 3.4-12 (Revised) (concluded)

Chemical	Retained/ Eliminated	Rationale for Retaining/Eliminating as a COPC
Rubidium	**Retained**	No screening value available, retained for further evaluation.
Selenium	Eliminated	No values above screening limit.
Silver	Eliminated	No values above screening limit.
Sodium	Eliminated	Essential nutrient.
Strontium	Eliminated	No values above screening limit.
Sulfate	Eliminated	No values above screening limit.
Thallium	**Retained**	Maximum value exceeds screening limit.
Uranium	**Retained**	Maximum value exceeds screening limit.
Vanadium	**Retained**	Maximum value exceeds screening limit.
Zinc	Eliminated	No values above screening limit.

Table 3.4-14 (Revised)
Screening of Organic Chemicals Detected in Cañon de Valle Alluvial Groundwater Samples

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Acetone	RE16-98-3035	Max. Detected Value	42		33,000	610	na[a]	na	No
	RE16-01-3168	Max. Undetected Value	30	(U)[b]	33,000	610	na	na	No
Amino-2,6-dinitrotoluene[4-]	RE16-01-3066	Max. Detected Value	20.8	(J)[c]	37	36	na	na	No
	RE16-00-3117	Max. Undetected Value	13	(U)	37	36	na	na	No
Amino-4,6-dinitrotoluene[2-]	RE16-01-3066	Max. Detected Value	11.1		37	36	na	na	No
	RE16-00-3117	Max. Undetected Value	13	(U)	37	36	na	na	No
Amino-x,6-dinitrotoluene[x-]	RE16-00-3278	Max. Detected Value	19		37	36	na	na	No
	RE16-98-3031	Max. Undetected Value	0.39	(U)	37	36	na	na	No
Butanone[2-]	RE16-98-3076	Max. Detected Value	3.7	(J)	7100	1900	na	na	No
	RE16-00-3193	Max. Undetected Value	20	(U)	7100	1900	na	na	No
Carbon Disulfide	RE16-00-3117	Max. Detected Value	1	(J)	1000	1000	na	na	No
	RE16-00-3193	Max. Undetected Value	5	(U)	1000	1000	na	na	No
Chloromethane	RE16-00-3299	Max. Detected Value	44	(J)	1.50	1.50	na	na	Yes
	RE16-00-3193	Max. Undetected Value	10	(U)	1.50	1.50	na	na	Yes
Di-n-butylphthalate	RE16-01-3100	Max. Detected Value	2	(J)	3700	3600	na	na	No
	RE16-99-3191	Max. Undetected Value	11	(U)	3700	3600	na	na	No
Dinitrobenzene[1,3-]	RE16-00-3278	Max. Detected Value	12		3.70	3.60	na	na	Yes
	RE16-00-3117	Max. Undetected Value	13	(U)	3.70	3.60	na	na	Yes

Table 3.4-14 (Revised) (continued)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Dinitrotoluene[2,4-]	RE16-99-3244	Max. Detected Value	0.36	(J)	73.0	73.0	na	na	No
	RE16-99-3034	Max. Undetected Value	13	(U)	73.0	73.0	na	na	No
Dinitrotoluene[2,6-]	RE16-99-3242	Max. Detected Value	0.21	(J)	37.0	36.0	na	na	No
	RE16-99-3034	Max. Undetected Value	13	(U)	37.0	36.0	na	na	No
DNX	RE16-02-44985	Max. Detected Value	0.39	(J)	0.61	0.61	na	na	No
	RE16-02-45251	Max. Undetected Value	0.5	(U)	0.61	0.61	na	na	No
HMX	RE16-00-3117	Max. Detected Value	610		1800	1800	na	na	No
	RE16-00-3272	Max. Undetected Value	13	(U)	1800	1800	na	na	No
MNX	RE16-02-44985	Max. Detected Value	0.65		0.61	0.61	na	na	Yes
	RE16-02-44979	Max. Undetected Value	0.5	(U)	0.61	0.61	na	na	No
Nitrobenzene	RE16-01-3005	Max. Detected Value	0.36	(J-)	3.40	3.40	na	na	No
	RE16-00-3117	Max. Undetected Value	50	(U)	3.40	3.40	na	na	Yes
RDX	RE16-01-3066	Max. Detected Value	759		0.61	0.61	na	na	Yes
	RE16-01-3166	Max. Undetected Value	1	(UJ)[d]	0.61	0.61	na	na	Yes
TNX	RE16-02-44985	Max. Detected Value	0.47	(J)	0.61	0.61	na	na	No
	RE16-02-44979	Max. Undetected Value	0.5	(U)	0.61	0.61	na	na	No
Toluene	RE16-98-3035	Max. Detected Value	6.7		720	720	750[e]	1000	No
	RE16-00-3191	Max. Undetected Value	5	(U)	720	720	750[e]	1000	No

Table 3.4-14 (Revised) (concluded)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Trichloroethene	RE16-99-3238	Max. Detected Value	1.1	(J)	0.028	0.028	100[e]	5	**Yes**
	RE16-00-3117	Max. Undetected Value	5	(U)	0.028	0.028	100[e]	5	**Yes**
Trinitrobenzene[1,3,5-]	RE16-00-3278	Max. Detected Value	1.1		1100	1100	na	na	No
	RE16-00-3117	Max. Undetected Value	13	(U)	1100	1100	na	na	No
Trinitrotoluene[2,4,6-]	RE16-01-3066	Max. Detected Value	46.6		2.20	2.20	na	na	Yes
	RE16-00-3117	Max. Undetected Value	13	(U)	2.20	2.20	na	na	Yes

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] na = Not available.

[b] (U) = The chemical is classified "not detected."

[c] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[d] (UJ) = The chemical is classified "not detected" with an expectation that the reported result is more uncertain than usual.

[e] NMWQCC Groundwater Human Health Standard (20 NMAC 6.2.3103).

Table 3.4-15 (Revised)
Retained and Eliminated Organic Chemicals in Cañon de Valle Alluvial Groundwater Samples

Chemical	Retained/ Eliminated	Rationale for Retaining/Eliminating as a COPC
Acetone	Eliminated	No values above screening limit.
Amino-2,6-dinitrotoluene[4-]	Eliminated	No values above screening limit.
Amino-4,6-dinitrotoluene[2-]	Eliminated	No values above screening limit.
Amino-x,6-dinitrotoluene[x-]	Eliminated	No values above screening limit.
Butanone[2-]	Eliminated	No values above screening limit.
Carbon Disulfide	Eliminated	No values above screening limit.
Chloromethane	**Retained**	Maximum value exceeds the screening limit.
Di-n-butylphthalate	Eliminated	No values above screening limit.
Dinitrobenzene[1,3-]	**Retained**	Maximum value exceeds the screening limit.
Dinitrotoluene[2,4-]	Eliminated	No values above screening limit.
Dinitrotoluene[2,6-]	Eliminated	No values above screening limit.
DNX	Eliminated	No values above screening limit.
HMX	Eliminated	No values above screening limit.
MNX	**Retained**	Maximum value exceeds the screening limit.
Nitrobenzene	**Retained**	Detection limit exceeds the screening limit.
RDX	**Retained**	Maximum value exceeds the screening limit.
TNX	Eliminated	No values above screening limit.
Toluene	Eliminated	No values above screening limit.
Trichloroethene	**Retained**	Maximum value exceeds the screening limit.
Trinitrobenzene[1,3,5-]	Eliminated	No values above screening limit.
Trinitrotoluene[2,4,6-]	**Retained**	Maximum value exceeds the screening limit.

Table 3.4-17 (Revised)
Screening of Tritium in Cañon de Valle Alluvial Groundwater Samples

Chemical	Sample ID	Sample Concentration (pCi/L)		EPA Region 6 Tap Water Screening Level (pCi/L)	EPA Region 9 Tap Water PRG (pCi/L)	NMWQCC Standard (pCi/L)	EPA MCL (pCi/L)	Exceeds Screening Limit
Tritium	RE16-01-3100	Max. Detected Value	197.76	na[a]	na	20,000[b]	20,000	No
	RE16-02-45923	Max. Undetected Value	126.72 (U)[c]	na	na	20,000[b]	20,000	No

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] na = Not available.

[b] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

[c] (U) = The chemical is classified as "undetected."

Table 3.4-18
Retained and Eliminated Tritium for Cañon de Valle Alluvial Groundwater Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Tritium	Eliminated	No values above screening limit.

Table 3.4-20 (Revised)
Screening of Inorganic Chemicals Detected in Martin Spring Canyon Surface Water Samples

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Aluminum	RE16-99-3062	Max. Detected Value	21,600	(J+)[a]	37,000	36,000	na[b]	750[c]	5000[d,e]	50	**No**
	RE16-01-3134	Max. Undetected Value	216	(U)[f]	37,000	36,000	na	750[c]	5000[d,e]	50	**No**
Antimony	RE16-99-3062	Max. Detected Value	5.3	(J)[g]	15	15	4300	na	na	6	No
	RE16-98-3101	Max. Undetected Value	33	(U)	15	15	4300	na	na	6	Yes
Arsenic	RE16-99-3062	Max. Detected Value	75.1		0.045	0.045	24.2	340	100[h]	10	Yes
	RE16-01-3135	Max. Undetected Value	4.5	(U)	0.045	0.045	24.2	340	100[h]	10	**Yes**
Barium	RE16-99-3062	Max. Detected Value	8560		2600	2600	na	na	1000[h]	2000	Yes
Beryllium	RE16-99-3062	Max. Detected Value	2.3	(J)	73	73	na	130	na	4	No
	RE16-98-3100	Max. Undetected Value	0.5	(U)	73	73	na	130	na	4	No
Boron	RE16-00-3181	Max. Detected Value	2530		3300	7300	na	na	750[d]	na	**No**
Cadmium	RE16-99-3062	Max. Detected Value	1.3	(J)	18	18	na	1740	10[h]	5	No
	RE16-98-3100	Max. Undetected Value	2.6	(U)	18	18	na	1740	10[h]	5	No
Calcium	RE16-00-3180	Max. Detected Value	42,300		na	na	na	na	na	na	na
	RE16-00-3311	Max. Undetected Value	32,600	(U)	na	na	na	na	na	na	na
Chloride	RE16-00-3309	Max. Detected Value	35,800		na	na	na	na	250,000[i]	250,000	No

Table 3.4-20 (Revised) (continued)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Chromium	RE16-99-3062	Max. Detected Value	25.6		110[j]	110[a]	na	130,000	50[h]	100	No
	RE16-98-3100	Max. Undetected Value	2.7	(U)	110[j]	110[a]	na	130,000	50[h]	100	No
Cobalt	RE16-99-3062	Max. Detected Value	136		730	730	na	na	50[e]	na	**No**
	RE16-98-3100	Max. Undetected Value	2.4	(U)	730	730	na	na	50[e]	na	No
Copper	RE16-99-3062	Max. Detected Value	45.6		1400	1500	na	6960	500[e]	1000	No
	RE16-00-3264	Max. Undetected Value	4.3	(U)	1400	1500	na	6960	500[e]	1000	No
Fluoride	RE16-00-3180	Max. Detected Value	699		2200	2200	na	na	1600[h]	2000	No
	RE16-98-3101	Max. Undetected Value	1000	(U)	2200	2200	na	na	1600[h]	2000	No
Iron	RE16-99-3062	Max. Detected Value	98,800	(J+)	11,000	11,000	na	na	1000[i]	300	Yes
	RE16-01-3134	Max. Undetected Value	159	(U)	11,000	11,000	na	na	1000[i]	300	No
Lead	RE16-99-3062	Max. Detected Value	46.1		15	na	na	-66,600[c,k]	50[h]	15	Yes
	RE16-00-3181	Max. Undetected Value	2.3	(U)	15	na	na	-66,600[c,k]	50[h]	15	No
Magnesium	RE16-00-3180	Max. Detected Value	10,100		na	na	na	na	na	na	na
Manganese	RE16-99-3062	Max. Detected Value	66,800		1700	880	na	na	200[i]	50	Yes
	RE16-98-3101	Max. Undetected Value	3.7	(U)	1700	880	na	na	200[i]	50	No

Table 3.4-20 (Revised) (continued)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Mercury	RE16-99-3062	Max. Detected Value	1.1		11	11	na	2.4	0.77[l]	2	**No**
	RE16-01-3059	Max. Undetected Value	0.1	(U)	11	11	na	2.4	0.77[l]	2	No
Nickel	RE16-99-3062	Max. Detected Value	28.9	(J)	730	730	4600	128,000	200[e]	na	No
	RE16-98-3103	Max. Undetected Value	10.8	(U)	730	730	4600	128,000	200[e]	na	No
Nitrate	RE16-99-3060	Max. Detected Value	3300		10,000	10,000	na	na	10,000[h]	10,000	No
	RE16-99-3062	Max. Undetected Value	200	(U)	10,000	10,000	na	na	10,000[h]	10,000	No
Nitrate-Nitrite as N	RE16-98-3101	Max. Detected Value	5600		na	na	na	na	10,000[h]	10,000	No
	RE16-00-3309	Max. Undetected Value	500	(U)	na	na	na	na	10,000[h]	10,000	No
Potassium	RE16-99-3062	Max. Detected Value	9500		na	na	na	na	na	na	na
Selenium	RE16-99-3062	Max. Detected Value	38.3		180	180	11,000	20.0	5[l]	50	**No**
	RE16-00-3181	Max. Undetected Value	4.5	(U)	180	180	11,000	20.0	5[l]	50	No
Silver	RE16-99-3062	Max. Detected Value	5.5	(J)	180	180	na	311,000	50[h]	100	No
	RE16-98-3103	Max. Undetected Value	5	(U)	180	180	na	311,000	50[h]	100	No
Sodium	RE16-00-3309	Max. Detected Value	43,500		na	na	na	na	na	na	na
Sulfate	RE16-00-3309	Max. Detected Value	70,300		na	na	na	na	600,000[i]	250,000	No

Table 3.4-20 (Revised) (concluded)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Thallium	RE16-00-3264	Max. Detected Value	0.0819	(J)	2.90[m]	2.40	6.3	na	na	2	No
	RE16-99-3062	Max. Undetected Value	45	(U)	2.90[m]	2.40	6.3	na	na	2	Yes
Uranium	RE16-00-3180	Max. Detected Value	8.15		na	7.30	na	na	5000[h]	30	**Yes**
Vanadium	RE16-99-3062	Max. Detected Value	111		37	260	na	na	100[e]	na	Yes
	RE16-00-3264	Max. Undetected Value	3.91	(U)	37	260	na	na	100[e]	na	No
Zinc	RE16-99-3062	Max. Detected Value	183		11,000	11,000	69,000	32,300	10,000[i]	5000	No
	RE16-00-3311	Max. Undetected Value	31.7	(U)	11,000	11,000	69,000	32,300	10,000[i]	5000	No

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] (J+) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.

[b] na = Not available.

[c] Calculated using the minimum hardness determined, 76,000.

[d] NMWQCC Groundwater Standard for Irrigation Use (20 NMAC 6.2.3103).

[e] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

[f] (U) = The chemical is classified "undetected."

[g] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[h] NMWQCC Groundwater Human Health Standards (20 NMAC 6.2.3103).

[i] NMWQCC Groundwater Other Standards for Domestic Water Supply (20 NMAC 6.2.3103).

[j] Denotes Chromium VI value was used.

[k] Negative value is an artifact of hardness correction calculation.

[l] NMWQCC Surface Water Standard for Wildlife Habitat (20 NMAC 6.4.900).

[m] Denotes Thallium Carbonate value was used.

Table 3.4-21 (Revised)
Retained and Eliminated Inorganic Chemicals in Martin Spring Canyon Surface Water Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Aluminum	Eliminated	No values above screening limit.
Antimony	**Retained**	Detection limit exceeds screening limit.
Arsenic	**Retained**	Maximum value exceeds screening limit.
Barium	**Retained**	Maximum value exceeds screening limit.
Beryllium	Eliminated	No values above screening limit.
Boron	Eliminated	No values above screening limit.
Cadmium	Eliminated	No values above screening limit.
Calcium	Eliminated	Essential nutrient.
Chloride	Eliminated	No values above screening limit.
Chromium	Eliminated	No values above screening limit.
Cobalt	Eliminated	No values above screening limit.
Copper	Eliminated	No values above screening limit.
Fluoride	Eliminated	No values above screening limit.
Iron	**Retained**	Maximum value exceeds screening limit.
Lead	**Retained**	Maximum value exceeds screening limit.
Magnesium	Eliminated	Essential nutrient.
Manganese	**Retained**	Maximum value exceeds screening limit.
Mercury	Eliminated	No values above screening limit.
Nickel	Eliminated	No values above screening limit.
Nitrate	Eliminated	No values above screening limit.
Nitrate-Nitrite as N	Eliminated	No values above screening limit.
Potassium	Eliminated	Essential nutrient.
Selenium	Eliminated	No values above screening limit.
Silver	Eliminated	No values above screening limit.
Sodium	Eliminated	Essential nutrient.
Sulfate	Eliminated	No values above screening limit.
Thallium	**Retained**	Detection limit exceeds screening limit.

Table 3.4-21 (Revised) (concluded)

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Uranium	**Retained**	Maximum value exceeds screening limit.
Vanadium	**Retained**	Maximum value exceeds screening limit.
Zinc	Eliminated	No values above screening limit.

Table 3.4-23 (Revised)
Screening of Organic Chemicals Detected in Martin Spring Canyon Surface Water Samples

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Amino-2,6-dinitrotoluene[4-]	RE16-98-3101	Max. Detected Value	2.3		37	36	na[a]	na	na	na	No
	RE16-00-3311	Max. Undetected Value	5	(U)[b]	37	36	na	na	na	na	No
Amino-4,6-dinitrotoluene[2-]	RE16-98-3101	Max. Detected Value	1.9		37	36	na	na	na	na	No
	RE16-00-3311	Max. Undetected Value	5	(UJ)[c]	37	36	na	na	na	na	No
Amino-x,6-dinitrotoluene[x-]	RE16-00-3215	Max. Detected Value	2.3		37	36	na	na	na	na	No
Dinitrobenzene[1,3-]	RE16-98-3100	Max. Detected Value	0.7		3.70	3.60	na	na	na	na	No
	RE16-99-3060	Max. Undetected Value	2.5	(U)	3.70	3.60	na	na	na	na	No
HMX	RE16-98-3101	Max. Detected Value	25		1800	1800	na	na	na	na	No
	RE16-00-3307	Max. Undetected Value	13	(U)	1800	1800	na	na	na	na	No
RDX	RE16-98-3101	Max. Detected Value	200		0.61	0.61	na	na	na	na	Yes
	RE16-00-3307	Max. Undetected Value	1	(U)	0.61	0.61	na	na	na	na	Yes
Trinitrobenzene[1,3,5-]	RE16-98-3100	Max. Detected Value	1		1100	1100	na	na	na	na	No
	RE16-00-3311	Max. Undetected Value	5	(U)	1100	1100	na	na	na	na	No

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] na = Not available.

[b] (U) = The chemical is classified "not detected."

[c] (UJ) = The chemical is classified "undetected" with an expectation that the reported result is more uncertain than usual.

Table 3.4-24
Retained and Eliminated Organic Chemicals in Martin Spring Canyon Surface Water Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Amino-2,6-dinitrotoluene[4-]	Eliminated	No values above screening limit.
Amino-4,6-dinitrotoluene[2-]	Eliminated	No values above screening limit.
Amino-x,6-dinitrotoluene[x-]	Eliminated	No values above screening limit.
Dinitrobenzene[1,3-]	Eliminated	No values above screening limit.
HMX	Eliminated	No values above screening limit.
RDX	**Retained**	Maximum value exceeded screening limit.
Trinitrobenzene[1,3,5-]	Eliminated	No values above screening limit.

Table 3.4-26 (Revised)
Screening of Inorganic Chemicals Detected in Martin Spring Canyon Alluvial Groundwater Samples

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Aluminum	RE16-00-3280	Max. Detected Value	530,000	(J)[a]	37,000	36,000	5000[b,c]	50	Yes
Antimony	RE16-01-3014	Max. Detected Value	3.6	(J)	15	15	na[d]	6	No
	RE16-01-3013	Max. Undetected Value	3.2	(U)[e]	15	15	na	6	No
Arsenic	RE16-00-3280	Max. Detected Value	132		0.045	0.045	100[f]	10	Yes
	RE16-00-3124	Max. Undetected Value	4	(U)	0.045	0.045	100[f]	10	**Yes**
Barium	RE16-00-3280	Max. Detected Value	38,000	(J)	2600	2600	1000[f]	2000	Yes
Beryllium	RE16-00-3280	Max. Detected Value	78		73	73	na	4	Yes
	RE16-01-3011	Max. Undetected Value	0.22	(U)	73	73	na	4	No
Boron	RE16-00-3302	Max. Detected Value	2250		3300	7300	750[b]	na	Yes
	RE16-00-3123	Max. Undetected Value	500	(U)	3300	7300	750[b]	na	No
Cadmium	RE16-00-3280	Max. Detected Value	70	(J+)[g]	18	18	10[f]	5	Yes
	RE16-01-3011	Max. Undetected Value	0.92	(U)	18	18	10[f]	5	No
Calcium	RE16-00-3280	Max. Detected Value	130,000	(J)	na	na	na	na	na
Chloride	RE16-01-3045	Max. Detected Value	43,100		na	na	250,000[h]	250,000	No
Chromium	RE16-00-3280	Max. Detected Value	1200		110[i]	110[i]	50[f]	100	Yes
	RE16-01-3174	Max. Undetected Value	4	(U)	110[i]	110[i]	50[f]	100	No

Table 3.4-26 (Revised) (continued)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Cobalt	RE16-00-3199	Max. Detected Value	125		730	730	50[b]	na	**No**
	RE16-00-3280	Max. Undetected Value	380	(U)	730	730	50[b]	na	**No**
Copper	RE16-00-3280	Max. Detected Value	860		1400	1500	500[c]	1000	**No**
	RE16-00-3226	Max. Undetected Value	56.9	(U)	1400	1500	500[c]	1000	No
Fluoride	RE16-00-3199	Max. Detected Value	571		2200	2200	1600[f]	2000	No
Iron	RE16-00-3280	Max. Detected Value	1,100,000	(J-)[j]	11,000	11,000	1000[h]	300	Yes
Lead	RE16-00-3280	Max. Detected Value	995		15	na	50[f]	15	Yes
	RE16-00-3245	Max. Undetected Value	3.53	(U)	15	na	50[f]	15	No
Magnesium	RE16-00-3280	Max. Detected Value	80,000	(J)	na	na	na	na	na
Manganese	RE16-00-3280	Max. Detected Value	37,000	(J)	1700	880	200[h]	50	Yes
Mercury	RE16-00-3280	Max. Detected Value	4.1		11	11	0.77[k]	2	**No**
	RE16-01-3014	Max. Undetected Value	0.34	(U)	11	11	0.77[k]	2	No
Nickel	RE16-00-3280	Max. Detected Value	450		730	730	200[b]	na	**No**
	RE16-00-3124	Max. Undetected Value	40	(U)	730	730	200[b]	na	No
Nitrate-Nitrite as N	RE16-00-3226	Max. Detected Value	1600		na	na	10,000[f]	10,000	No
	RE16-01-3013	Max. Undetected Value	1000	(U)	na	na	10,000[f]	10,000	No

Table 3.4-26 (Revised) (continued)

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Perchlorate	RE16-00-3123	Max. Detected Value	17		3.70	3.60	4[l]	na	Yes
	RE16-00-3280	Max. Undetected Value	4.16	(U)	3.70	3.60	4[l]	na	Yes
Potassium	RE16-00-3280	Max. Detected Value	82,000	(J)	na	na	na	na	na
Selenium	RE16-00-3280	Max. Detected Value	29.6	(J+)	180	180	5[k]	50	**No**
	RE16-00-3123	Max. Undetected Value	8	(UJ)[m]	180	180	5[k]	50	**No**
Silver	RE16-01-3174	Max. Detected Value	28		180	180	50[f]	100	No
	RE16-00-3280	Max. Undetected Value	160	(U)	180	180	50[f]	100	**No**
Sodium	RE16-01-3045	Max. Detected Value	54,700		na	na	na	na	na
Sulfate	RE16-00-3301	Max. Detected Value	73,900		na	na	600,000[h]	250,000	No
Thallium	RE16-00-3280	Max. Detected Value	6.16		2.90[n]	2.40	na	2	Yes
	RE16-00-3199	Max. Undetected Value	3.8	(U)	2.90[n]	2.40	na	2	Yes
Uranium	RE16-00-3199	Max. Detected Value	20.4		na	7.30	5000[f]	30	**Yes**
Vanadium	RE16-00-3280	Max. Detected Value	1100		37	260	100[c]	na	Yes
	RE16-01-3174	Max. Undetected Value	8.4	(U)	37	260	100[c]	na	No
Zinc	RE16-00-3280	Max. Detected Value	6600		11,000	11,000	10,000[h]	5000	**No**
	RE16-00-3303	Max. Undetected Value	43.9	(U)	11,000	11,000	10,000[h]	5000	No

Table 3.4-26 (Revised) (concluded)

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867; California DHS 2003, 76862.

[a] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[b] NMWQCC Groundwater Standard for Irrigation Use (20 NMAC 6.2.3103).

[c] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

[d] na = Not available.

[e] (U) = The chemical is classified "undetected."

[f] NMWQCC Groundwater Human Health Standard (20 NMAC 6.2.3103).

[g] (J+) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.

[h] NMWQCC Groundwater Other Standards for Domestic Water Supply (20 NMAC 6.2.3103).

[i] Denotes Chromium VI value was used.

[j] (J-) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.

[k] NMWQCC Surface Water Standard for Wildlife Habitat (20 NMAC 6.4.900).

[l] California DHS 2003, 76862.

[m] (UJ) = The chemical is classified "undetected" with an expectation that the reported result is more uncertain than usual.

[n] Denotes Thallium Carbonate value was used.

Table 3.4-27 (Revised)
Retained and Eliminated Inorganic Chemicals in
Martin Spring Canyon Alluvial Groundwater Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Aluminum	**Retained**	Maximum value exceeds screening limit.
Antimony	Eliminated	No values above screening limit.
Arsenic	**Retained**	Maximum value exceeds screening limit.
Barium	**Retained**	Maximum value exceeds screening limit.
Beryllium	**Retained**	Maximum value exceeds screening limit.
Boron	**Retained**	Maximum value exceeds screening limit.
Cadmium	**Retained**	Maximum value exceeds screening limit.
Calcium	Eliminated	Essential nutrient.
Chloride	Eliminated	No values above screening limit.
Chromium	**Retained**	Maximum value exceeds screening limit.
Cobalt	Eliminated	No values above screening limit.
Copper	Eliminated	No values above screening limit.
Fluoride	Eliminated	No values above screening limit.
Iron	**Retained**	Maximum value exceeds screening limit.
Lead	**Retained**	Maximum value exceeds screening limit.
Magnesium	Eliminated	Essential nutrient.
Manganese	**Retained**	Maximum value exceeds screening limit.
Mercury	Eliminated	No values above screening limit.
Nickel	Eliminated	No values above screening limit.
Nitrate-Nitrite as N	Eliminated	No values above screening limit.
Perchlorate	**Retained**	Maximum value exceeds screening limit.
Potassium	Eliminated	Essential nutrient.
Selenium	Eliminated	No values above screening limit.
Silver	Eliminated	No values above screening limit.
Sodium	Eliminated	Essential nutrient.
Sulfate	Eliminated	No values above screening limit.
Thallium	**Retained**	Maximum value exceeds screening limit.

Table 3.4-27 (Revised) (concluded)

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Uranium	**Retained**	Maximum value exceeds screening limit.
Vanadium	**Retained**	Maximum value exceeds screening limit.
Zinc	Eliminated	No values above screening limit.

Table 3.4-29 (Revised)
Screening of Organic Chemicals Detected in Martin Spring Canyon Alluvial Groundwater Samples

Chemical	Sample ID	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Amino-x,6-dinitrotoluene[x-]	RE16-00-3244	Max. Detected Value	0.66	(J)[a]	37	36	na[b]	na	No
	RE16-00-3213	Max. Undetected Value	0.39	(U)[c]	37	36	na	na	No
Carbon Disulfide	RE16-00-3123	Max. Detected Value	2	(J)	1000	1000	na	na	No
	RE16-00-3199	Max. Undetected Value	5	(U)	1000	1000	na	na	No
HMX	RE16-01-3045	Max. Detected Value	3.9		1800	1800	na	na	No
	RE16-00-3305	Max. Undetected Value	13	(UJ)[d]	1800	1800	na	na	No
RDX	RE16-00-3244	Max. Detected Value	23		0.61	0.61	na	na	Yes
	RE16-01-3049	Max. Undetected Value	1	(U)	0.61	0.61	na	na	Yes
Trinitrobenzene[1,3,5-]	RE16-00-3244	Max. Detected Value	0.75		1100	1100	na	na	No
	RE16-01-3049	Max. Undetected Value	1	(U)	1100	1100	na	na	No
Trinitrotoluene[2,4,6-]	RE16-01-3045	Max. Detected Value	0.11		2.20	2.20	na	na	No
	RE16-01-3049	Max. Undetected Value	1	(U)	2.20	2.20	na	na	No

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[b] na = Not available.

[c] (U) = The chemical is classified "not detected."

[d] (UJ) = The chemical is classified "undetected" with an expectation that the reported result is more uncertain than usual.

Table 3.4-30
Retained and Eliminated Organic Chemicals in
Martin Spring Canyon Alluvial Groundwater Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Amino-x,6-dinitrotoluene[x-]	Eliminated	No values above screening limit.
Carbon Disulfide	Eliminated	No values above screening limit.
HMX	Eliminated	No values above screening limit.
RDX	**Retained**	Maximum value exceeds screening limit.
Trinitrobenzene[1,3,5-]	Eliminated	No values above screening limit.
Trinitrotoluene[2,4,6-]	Eliminated	No values above screening limit.

Table 3.4-32 (Revised)
Screening of Tritium Detected in Martin Spring Canyon Alluvial Groundwater Samples

Chemical	Sample ID	Sample Concentration (pCi/L)		EPA Region 6 Tap Water Screening Level (pCi/L)	EPA Region 9 Tap Water PRG (pCi/L)	NMWQCC Standard (pCi/L)	EPA MCL (pCi/L)	Exceeds Screening Limit
Tritium	RE16-01-3114	Max. Detected Value	195.84	na[a]	na	20,000[b]	20,000	No

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] na = Not available.

[b] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

Table 3.4-33
Retained and Eliminated Tritium in Martin Spring Canyon Alluvial Groundwater Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Tritium	Eliminated	No values above screening limit.

Table 3.4-35 (Revised)
Retained and Eliminated Inorganic Chemicals in Cañon de Valle Alluvial Sediment Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Aluminum	Eliminated	Although 2 samples exceed background, results of both the Wilcoxon Rank Sum Test and the Quantile Test indicate that the samples are statistically the same as background.[a]
Antimony	**Retained**	Maximum detected value exceeds BV.
Arsenic	Eliminated	No values above BV.
Barium	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]
Beryllium	Eliminated	No values above BV.
Boron	**Retained**	No BV is available, retained for further evaluation.
Cadmium	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]
Calcium	Eliminated	Essential nutrient.
Chromium	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]
Cobalt	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]
Copper	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]
Iron	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]
Lead	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]
Magnesium	Eliminated	Essential nutrient.
Manganese	Eliminated	Although 6 samples exceed background, results of both the Wilcoxon Rank Sum Test and the Quantile Test indicate that the samples are statistically the same as background.[a]
Mercury	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]
Nickel	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]
Potassium	Eliminated	Essential nutrient.
Selenium	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]

Table 3.4-35 (Revised) (concluded)

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Silver	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]
Sodium	Eliminated	Essential nutrient.
Thallium	**Retained**	Detection limit exceeds BV.
Vanadium	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]
Zinc	**Retained**	Maximum detected value exceeds BV, and dataset is statistically different than background.[a]

[a] See Appendix I-1 for further discussion.

Table 3.4-37
Retained and Eliminated Organic Chemicals in Cañon de Valle Alluvial Sediment Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Amino-2,6-dinitrotoluene[4-]	**Retained**	22 samples are above the detection limit.
Amino-4,6-dinitrotoluene[2-]	**Retained**	22 samples are above the detection limit.
Benzo(a)pyrene	**Retained**	1 sample is above the detection limit.
Benzoic Acid	**Retained**	3 samples are above the detection limit.
Di-n-butylphthalate	**Retained**	1 sample is above the detection limit.
Fluoranthene	**Retained**	2 samples are above the detection limit.
Hexachlorobenzene	**Retained**	1 sample is above the detection limit.
HMX	**Retained**	33 samples are above the detection limit.
Indeno(1,2,3-cd)pyrene	**Retained**	1 sample is above the detection limit.
Methylphenol[4-]	**Retained**	2 samples are above the detection limit.
Naphthalene	**Retained**	1 sample is above the detection limit.
Nitrobenzene	Eliminated	Greater than 20 analyses were taken and the number of detects comprise less than 5% of the total number of analyses.
Pyrene	**Retained**	3 samples are above the detection limit.
Pyridine	**Retained**	1 sample is above the detection limit.
RDX	**Retained**	27 samples are above the detection limit.
Trinitrobenzene[1,3,5-]	Eliminated	Greater than 20 analyses were taken and the number of detects comprise less than 5% of the total number of analyses.
Trinitrotoluene[2,4,6-]	**Retained**	20 samples are above the detection limit.

Table 3.4-39 (Revised)
Retained and Eliminated Inorganic Chemicals in Martin Spring Canyon Alluvium, Sediment, and Tuff Samples

Chemical	Media Code	Retained/ Eliminated	Rationale for Retaining/Eliminating as a COPC
Aluminum	Qal	Eliminated	Only one sample exceeds background and results of both the Wilcoxon Rank Sum Test and the Quantile Test indicate that the sample is statistically the same as background.[a]
	Qbt 4	Eliminated	No values above BV.
	Sed	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
Antimony	Qal	Eliminated	No values above BV.
	Qbt 4	**Retained**	Detection limit exceeds BV.
Arsenic	Qal	Eliminated	Only one sample exceeds background and results of both the Wilcoxon Rank Sum Test and the Quantile Test indicate that the sample is statistically the same as background.[a]
	Qbt 4	Eliminated	No values above BV.
	Sed	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
Barium	Qal	Eliminated	Only one sample exceeds background and results of both the Wilcoxon Rank Sum Test and the Quantile Test indicate that the sample is statistically the same as background.[a]
	Qbt 4	Eliminated	No values above BV.
	Sed	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
Beryllium	Qal	Eliminated	No values above BV.
	Qbt 4	Eliminated	No values above BV.
	Sed	Eliminated	No values above BV.
Boron	Qal	**Retained**	No BV is available, retained for further evaluation.
	Qbt 4	**Retained**	No BV is available, retained for further evaluation.
	Sed	**Retained**	No BV is available, retained for further evaluation.
Cadmium	Qal	Eliminated	No values above BV.
	Qbt 4	Eliminated	No values above BV.
	Sed	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]

Table 3.4-39 (Revised) (continued)

Chemical	Media Code	Retained/ Eliminated	Rationale for Retaining/Eliminating as a COPC
Calcium	Qal	Eliminated	Essential nutrient.
	Qbt 4	Eliminated	Essential nutrient.
	Sed	Eliminated	Essential nutrient.
Chromium	Qal	Eliminated	No values above BV.
	Qbt 4	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
	Sed	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
Cobalt	Qal	Eliminated	No values above BV.
	Qbt 4	Eliminated	No values above BV.
	Sed	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
Copper	Qal	Eliminated	No values above BV.
	Qbt 4	Eliminated	No values above BV.
	Sed	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
Iron	Qal	Eliminated	Only one sample exceeds background and results of both the Wilcoxon Rank Sum Test and the Quantile Test indicate that the sample is statistically the same as background.[a]
	Qbt 4	Eliminated	No values above BV.
	Sed	Eliminated	Only one sample exceeds background and results of both the Wilcoxon Rank Sum Test and the Quantile Test indicate that the sample is statistically the same as background.[a]
Lead	Qal	Eliminated	No values above BV.
	Qbt 4	Eliminated	No values above BV.
	Sed	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
Magnesium	Qal	Eliminated	Essential nutrient.
	Qbt 4	Eliminated	Essential nutrient.
	Sed	Eliminated	Essential nutrient.

Table 3.4-39 (Revised) (continued)

Chemical	Media Code	Retained/ Eliminated	Rationale for Retaining/Eliminating as a COPC
Manganese	Qal	Eliminated	No values above BV.
	Qbt 4	Eliminated	No values above BV.
	Sed	Eliminated	Only one sample exceeds background and results of both the Wilcoxon Rank Sum Test and the Quantile Test indicate that the sample is statistically the same as background.[a]
Mercury	Qal	Eliminated	No values above BV.
	Qbt 4	**Retained**	Detection limit exceeds BV.
	Sed	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
Nickel	Qal	Eliminated	No values above BV.
	Qbt 4	Eliminated	No values above BV.
	Sed	Eliminated	No values above BV.
Potassium	Qal	Eliminated	Essential nutrient.
	Qbt 4	Eliminated	Essential nutrient.
	Sed	Eliminated	Essential nutrient.
Selenium	Qal	Eliminated	Only one sample exceeds background and results of both the Wilcoxon Rank Sum Test and the Quantile Test indicate that the sample is statistically the same as background.[a]
	Qbt 4	Eliminated	No values above BV.
	Sed	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
Silver	Qal	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
	Qbt 4	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
	Sed	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
Sodium	Qal	Eliminated	Essential nutrient.
	Qbt 4	Eliminated	Essential nutrient.
	Sed	Eliminated	Essential nutrient.

Table 3.4-39 (Revised) (concluded)

Chemical	Media Code	Retained/ Eliminated	Rationale for Retaining/Eliminating as a COPC
Thallium	Qal	Eliminated	No values above BV.
	Qbt 4	Eliminated	No values above BV.
	Sed	Eliminated	No values above BV.
Uranium	Qal	Eliminated	No values above BV.
	Qbt 4	Eliminated	No values above BV.
	Sed	Eliminated	No values above BV.
Vanadium	Qal	Eliminated	No values above BV.
	Qbt 4	Eliminated	No values above BV.
	Sed	**Retained**	Maximum value exceeds BV, and dataset is statistically different than background.[a]
Zinc	Qal	Eliminated	No values above BV.
	Qbt 4	Eliminated	No values above BV.
	Sed	Eliminated	Although 7 samples exceed background, results of both the Wilcoxon Rank Sum Test and the Quantile Test indicate that the samples are statistically the same as background.[a]

[a] See Appendix I-1 for further discussion.

Table 3.4-41
Retained and Eliminated Organic Chemicals in Martin Spring Canyon Alluvium, Sediment, and Tuff Samples

Chemical	Media Code	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Amino-2,6-dinitrotoluene[4-]	Sed	**Retained**	6 samples are above the detection limit.
Amino-4,6-dinitrotoluene[2-]	Sed	**Retained**	10 samples are above the detection limit.
Benzo(a)anthracene	Sed	**Retained**	3 samples are above the detection limit.
Benzo(a)pyrene	Sed	**Retained**	3 samples are above the detection limit.
Benzo(b)fluoranthene	Sed	**Retained**	3 samples are above the detection limit.
Benzo(g,h,i)perylene	Sed	**Retained**	2 samples are above the detection limit.
Benzo(k)fluoranthene	Sed	**Retained**	2 samples are above the detection limit.
Benzoic Acid	Sed	**Retained**	1 sample is above the detection limit.
Bis(2-ethylhexyl)phthalate	Qbt 4	**Retained**	2 samples are above detection.
	Sed	**Retained**	1 sample is above the detection limit.
Chrysene	Sed	**Retained**	2 samples are above the detection limit.
Fluoranthene	Sed	**Retained**	2 samples are above the detection limit.
Indeno(1,2,3-cd)pyrene	Sed	**Retained**	2 samples are above the detection limit.
Phenanthrene	Sed	**Retained**	2 samples are above the detection limit.
Pyrene	Sed	**Retained**	3 samples are above the detection limit.
RDX	Sed	**Retained**	4 samples are above the detection limit.
Trinitrotoluene[2,4,6-]	Sed	**Retained**	8 samples are above the detection limit.

Table 3.4-44 (Revised)
Table of Retained COPCs for Cañon de Valle and Martin Spring Canyon

Chemicals Retained as COPCs for SWMU 16-021(c)-99 Alluvial System	Cañon de Valle (CdV)				Martin Spring Canyon (MSC)			
	Water		Solid Media		Water		Solid Media	
	CdV Alluvial Groundwater (see Tables 3.4-12, 3.4-15, and 3.4-18)	CdV Surface Water (see Tables 3.4-3, 3.4-6, and 3.4-9)	CdV Sediment (see Tables 3.4-35 and 3.4-37)	MSC Alluvial Groundwater (see Tables 3.4-27, 3.4-30, and 3.4-33)	MSC Surface Water (see Tables 3.4-21 and 3.4-24)	MSC Sediment (see Tables 3.4-39 and 3.4-41)	MSC Bandelier Tuff (Qbt 4) (see Tables 3.4-39 and 3.4-41)	MSC Quaternary Alluvium (Qal) (see Tables 3.4-39 and 3.4-41)
Inorganics								
Aluminum	●[b]	—[a]	—	●	—	●	—	—
Antimony	●	●	●	—	●	NA[c]	●	—
Arsenic	●	●	—	●	●	●	—	—
Barium	●	●	●	●	●	●	—	—
Beryllium	—	—	—	●	—	—	—	—
Boron	—	—	●	●	—	—	●	●
Cadmium	—	—	●	●	—	●	—	—
Cesium	●	●	NA	NA	NA	NA	NA	NA
Chromium	—	—	●	●	—	●	●	—
Cobalt	—	—	●	—	—	●	—	—
Copper	—	—	●	—	—	●	—	—
Cyanide (Total)	—	NA	NA	NA	NA	NA	NA	NA
Iron	●	●	●	●	●	●	—	—
Lead	●	●	●	●	●	●	—	—
Manganese	●	●	—	●	●	—	—	—
Mercury	—	—	●	—	—	●	●	—
Nickel	—	—	●	—	—	—	—	—
Nitrate-Nitrite as N	—	●	NA	—	—	NA	NA	NA
Perchlorate	●	●	NA	●	NA	NA	NA	NA

Table 3.4-44 (Revised) (continued)

Chemicals Retained as COPCs for SWMU 16-021(c)-99 Alluvial System	Cañon de Valle (CdV)				Martin Spring Canyon (MSC)			
	Water		Solid Media		Water		Solid Media	
	CdV Alluvial Groundwater (see Tables 3.4-12, 3.4-15, and 3.4-18)	CdV Surface Water (see Tables 3.4-3, 3.4-6, and 3.4-9)	CdV Sediment (see Tables 3.4-35 and 3.4-37)	MSC Alluvial Groundwater (see Tables 3.4-27, 3.4-30, and 3.4-33)	MSC Surface Water (see Tables 3.4-21 and 3.4-24)	MSC Sediment (see Tables 3.4-39 and 3.4-41)	MSC Bandelier Tuff (Qbt 4) (see Tables 3.4-39 and 3.4-41)	MSC Quaternary Alluvium (Qal) (see Tables 3.4-39 and 3.4-41)
Rubidium	●	NA	NA	NA	NA	NA	NA	NA
Selenium	—	—	●	—	—	●	—	—
Silver	—	●	●	—	—	●	●	●
Thallium	●	●	●	●	●	—	—	—
Uranium	●	●	NA	●	●	—	—	—
Vanadium	●	—	●	●	●	●	—	—
Zinc	—	—	●	—	—	—	—	—
Organics and HE								
Amino-2,6-dinitrotoluene [4-]	—	—	●	NA	—	●	NA	NA
Amino-4,6-dinitrotoluene[2-]	—	—	●	NA	—	●	●	●
Benzo(a)anthracene	NA	NA	NA	NA	NA	●	●	●
Benzo(a)pyrene	NA	NA	●	NA	NA	●	●	●
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	●	●	●
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA	●	●	●
Benzo(k)fluoranthene	NA	NA	NA	NA	NA	●	●	●
Benzoic Acid	NA	NA	●	NA	NA	●	●	●
Bis(2-ethylhexyl)phthalate	NA	●	NA	NA	NA	●	●	●
Chloromethane	●	NA	NA	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA	●	●	●
Di-n-butylphthalate	—	NA	●	NA	NA	NA	NA	NA

Table 3.4-44 (Revised) (concluded)

Chemicals Retained as COPCs for SWMU 16-021(c)-99 Alluvial System	Cañon de Valle (CdV)				Martin Spring Canyon (MSC)			
	Water		Solid Media		Water		Solid Media	
	CdV Alluvial Groundwater (see Tables 3.4-12, 3.4-15, and 3.4-18)	CdV Surface Water (see Tables 3.4-3, 3.4-6, and 3.4-9)	CdV Sediment (see Tables 3.4-35 and 3.4-37)	MSC Alluvial Groundwater (see Tables 3.4-27, 3.4-30, and 3.4-33)	MSC Surface Water (see Tables 3.4-21 and 3.4-24)	MSC Sediment (see Tables 3.4-39 and 3.4-41)	MSC Bandelier Tuff (Qbt 4) (see Tables 3.4-39 and 3.4-41)	MSC Quaternary Alluvium (Qal) (see Tables 3.4-39 and 3.4-41)
Dinitrobenzene[1,3-]	●	NA	NA	NA	—	NA	NA	NA
DNX	—	●	NA	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	●	NA	NA	●	NA	NA
Hexachlorobenzene	NA	NA	●	NA	NA	NA	NA	NA
HMX	—	—	●	—	—	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	●	NA	NA	●	NA	NA
Methylphenol[4-]	NA	NA	●	NA	NA	NA	NA	NA
Methylene Chloride	NA	●	NA	NA	NA	NA	NA	NA
MNX	●	●	NA	NA	NA	NA	NA	NA
Naphthalene	NA	●	●	NA	NA	NA	NA	NA
Nitrobenzene	●	NA	—	NA	NA	NA	NA	NA
Nitroglycerin	NA	●	NA	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	—	NA	NA	●	●	●
Pyrene	NA	NA	●	NA	NA	●	●	●
Pyridine	NA	NA	●	NA	NA	NA	NA	NA
RDX	●	●	●	●	●	●	●	●
Tetrachloroethene	NA	●	NA	NA	NA	NA	NA	NA
Trichloroethene	●	●	NA	NA	NA	NA	NA	NA
Trinitrotoluene[2,4,6-]	●	●	●	—	NA	●	●	●

[a] — = Chemical was analyzed for but eliminated as a COPC for this alluvial system component.

[b] ● = Chemical retained as a COPC for this alluvial system component.

[c] NA = Not analyzed.

Addendum-Section 4

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PHASE III RFI REPORT
SWMU 16-021(c)-99

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Table 4.4-2 (Revised)
Screening of Inorganic Chemicals Detected in Spring Samples

Chemical	Sample Identification	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Aluminum	RE16-01-3235	Max. Detected Value	17,100		37,000	36,000	na[a]	750[b]	5000[c,d]	50	**No**
	RE16-01-3033	Max. Undetected Value	400	(U)[e]	37,000	36,000	na	750[b]	5000[c,d]	50	**No**
Antimony	RE16-01-3041	Max. Detected Value	4.7	(J)[f]	15	15	4300	na	na	6	No
	RE16-98-3039	Max. Undetected Value	20	(U)	15	15	4300	na	na	6	Yes
Arsenic	RE16-01-3257	Max. Detected Value	10.1		0.045	0.045	24.2	340[b]	100[g]	10	Yes
	RE16-02-45252	Max. Undetected Value	5	(U)	0.045	0.045	24.2	340[b]	100[g]	10	**Yes**
Barium	RE16-00-3203	Max. Detected Value	1310		2600	2600	na	na	1000[g]	2000	**No**
Beryllium	RE16-01-3184	Max. Detected Value	1.4	(J)	73	73	na	130[b]	na	4	No
	RE16-98-3039	Max. Undetected Value	4	(U)	73	73	na	130[b]	na	4	No
Boron	RE16-01-3329	Max. Detected Value	2840		3300	7300	na	na	750[c]	na	**No**
	RE16-00-3127	Max. Undetected Value	500	(U)	3300	7300	na	na	750[c]	na	No
Cadmium	RE16-00-3260	Max. Detected Value	2.3	(J+)[h]	18	18	na	1740[b]	10[g]	5	No
	RE16-98-3039	Max. Undetected Value	5	(U)	18	18	na	1740[b]	10[g]	5	No
Calcium	RE16-00-3000	Max. Detected Value	44,000		na	na	na	na	na	na	na
Cesium	RE16-98-3012	Max. Detected Value	500		na	na	na	na	na	na	na
	RE16-98-3016	Max. Undetected Value	500	(U)	na	na	na	na	na	na	na

Table 4.4-2 (Revised) (continued)

Chemical	Sample Identification	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Chloride	RE16-00-3000	Max. Detected Value	32,000		na	na	na	na	250,000[i]	250,000	No
Chromium	RE16-99-3042	Max. Detected Value	32.7		110[j]	110[j]	na	130,000[b]	50[g]	100	No
	RE16-98-3039	Max. Undetected Value	10	(U)	110[j]	110[j]	na	130,000[b]	50[g]	100	No
Cobalt	RE16-00-3283	Max. Detected Value	11	(J)	730	730	na	na	50[c]	na	No
	RE16-98-3039	Max. Undetected Value	20	(U)	730	730	na	na	50[c]	na	No
Copper	RE16-01-3257	Max. Detected Value	43.1		1400	1500	na	6960[b]	500[d]	1000	No
	RE16-98-3039	Max. Undetected Value	20	(U)	1400	1500	na	6960[b]	500[d]	1000	No
Cyanide (Total)	RE16-98-3041	Max. Detected Value	3.2	(J)	6.2[k]	6.2[k]	220,000	22	5.2[l]	200	No
	RE16-98-3038	Max. Undetected Value	13	(U)	6.2[k]	6.2[k]	220,000	22	5.2[l]	200	Yes
Fluoride	RE16-00-3000	Max. Detected Value	890		2200	2200	na	na	1600[g]	2000	No
	RE16-01-3037	Max. Undetected Value	14	(U)	2200	2200	na	na	1600[g]	2000	No
Iron	RE16-00-3203	Max. Detected Value	10,200		11,000	11,000	na	na	1000[i]	300	**No**
	RE16-98-3073	Max. Undetected Value	293	(U)	11,000	11,000	na	na	1000[i]	300	No
Lead	RE16-00-3203	Max. Detected Value	20.2		15	na	na	-66,600[b,m]	50[g]	15	Yes
	RE16-00-3002	Max. Undetected Value	2	(U)	15	na	na	-66,600[b,m]	50[g]	15	No
Lithium	RE16-98-3063	Max. Detected Value	9.4	(J)	730	730	na	na	na	na	No

Table 4.4-2 (Revised) (continued)

Chemical	Sample Identification	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Magnesium	RE16-01-3329	Max. Detected Value	10,000		na	na	na	na	na	na	na
	RE16-98-3038	Max. Undetected Value	6800	(U)	na	na	na	na	na	na	na
Manganese	RE16-00-3203	Max. Detected Value	1080		1700	880	na	na	200[i]	50	**No**
	RE16-98-3039	Max. Undetected Value	10	(U)	1700	880	na	na	200[i]	50	No
Mercury	RE16-01-3186	Max. Detected Value	1		11	11	na	2.4[b]	0.77[k]	2	**No**
	RE16-02-45252	Max. Undetected Value	0.2	(U)	11	11	na	2.4[b]	0.77[k]	2	No
Molybdenum	RE16-98-3039	Max. Detected Value	6.4	(J)	180	180	na	na	1000[a]	na	No
	RE16-98-3041	Max. Undetected Value	4.9	(U)	180	180	na	na	1000[a]	na	No
Nickel	RE16-00-3203	Max. Detected Value	18.6		730	730	4600	128,000[b]	200[c]	na	No
	RE16-00-3125	Max. Undetected Value	40	(U)	730	730	4600	128,000[b]	200[c]	na	No
Nitrate	RE16-98-3063	Max. Detected Value	4400		10,000	10,000	na	na	10,000[g]	10,000	No
Nitrate-Nitrite as N	RE16-00-3282	Max. Detected Value	3,800,000		na	na	na	na	10,000[g]	10,000	Yes
	RE16-01-3021	Max. Undetected Value	1000	(U)	na	na	na	na	10,000[g]	10,000	No
Perchlorate	RE16-00-3145	Max. Detected Value	17.5		3.70	3.60	na	na	4[n]	na	Yes
	RE16-01-3090	Max. Undetected Value	958	(U)	3.70	3.60	na	na	4[n]	na	Yes
Potassium	RE16-01-3090	Max. Detected Value	12,400	(J)	na	na	na	na	na	na	na
	RE16-01-3186	Max. Undetected Value	2330	(U)	na	na	na	na	na	na	na

Table 4.4-2 (Revised) (continued)

Chemical	Sample Identification	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Rubidium	RE16-98-3012	Max. Detected Value	7000		na	na	na	na	na	na	na
	RE16-98-3016	Max. Undetected Value	500	(U)	na	na	na	na	na	na	na
Selenium	RE16-00-3282	Max. Detected Value	14.4	(J+)	180	180	11,000	na	5[k]	50	**No**
	RE16-01-3329	Max. Undetected Value	5	(U)	180	180	11,000	na	5[k]	50	No
Silver	RE16-00-3246	Max. Detected Value	4.5	(J)	180	180	na	na	50[g]	100	No
	RE16-98-3039	Max. Undetected Value	10	(U)	180	180	na	na	50[g]	100	No
Sodium	RE16-01-3329	Max. Detected Value	50,200		na	na	na	na	na	na	na
Strontium	RE16-98-3068	Max. Detected Value	158		22,000	22,000	na	na	na	na	No
Sulfate	RE16-00-3000	Max. Detected Value	32,000		na	na	na	na	600,000[i]	250,000	No
Thallium	RE16-00-3000	Max. Detected Value	7.1	(J)	2.90[o]	2.40	6.3	na	na	2	Yes
	RE16-98-3013	Max. Undetected Value	7.6	(U)	2.90[o]	2.40	6.3	na	na	2	Yes
Uranium	RE16-98-3063	Max. Detected Value	60		na	7.30	na	na	5000[g]	30	Yes
	RE16-98-3039	Max. Undetected Value	126	(U)	na	7.30	na	na	5000[g]	30	Yes
Vanadium	RE16-00-3246	Max. Detected Value	29		37	260	na	na	100[d]	na	No
	RE16-00-3125	Max. Undetected Value	10	(U)	37	260	na	na	100[d]	na	No
Zinc	RE16-01-3255	Max. Detected Value	74.1		11,000	11,000	69,000	32,400[b]	10,000[i]	5000	No
	RE16-01-3035	Max. Undetected Value	41	(U)	11,000	11,000	69,000	32,400[b]	10,000[i]	5000	No

Table 4.4-2 (Revised) (concluded)

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867; and California DHS 2003, 76862.

[a] na = Not available.

[b] Calculated using the minimum hardness determined, 76,000.

[c] NMWQCC Groundwater Standard for Irrigation Use (20 NMAC 6.2.3103).

[d] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

[e] (U) = The chemical is classified "undetected."

[f] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[g] NMWQCC Groundwater Human Health Standard (20 NMAC 6.2.3103).

[h] (J+) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.

[i] NMWQCC Groundwater Other Standards for Domestic Water Supply (20 NMAC 6.2.3103).

[j] Denotes Chromium VI value was used.

[k] Hydrogen cyanide value was used.

[l] NMWQCC Surface Water Standard for Wildlife Habitat (20 NMAC 6.4.900).

[m] Negative value is an artifact of hardness correction calculation.

[n] 2003 California DHS Action Level.

[o] Denotes Thallium Carbonate was used.

Table 4.4-3 (Revised)
Retained and Eliminated Inorganic Chemicals in Spring Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Aluminum	Eliminated	No values above screening limit.
Antimony	**Retained**	Detection limit exceeds screening limit.
Arsenic	**Retained**	Maximum value exceeds screening limit.
Barium	Eliminated	No values above screening limit.
Beryllium	Eliminated	No values above screening limit.
Boron	Eliminated	No values above screening limit.
Cadmium	Eliminated	No values above screening limit.
Calcium	Eliminated	Essential nutrient.
Cesium	**Retained**	No screening value available, retained for further evaluation.
Chloride	Eliminated	No values above screening limit.
Chromium	Eliminated	No values above screening limit.
Cobalt	Eliminated	No values above screening limit.
Copper	Eliminated	No values above screening limit.
Cyanide (Total)	**Retained**	Detection limit exceeds screening limit.
Fluoride	Eliminated	No values above screening limit.
Iron	Eliminated	No values above screening limit.
Lead	**Retained**	Maximum value exceeds screening limit.
Lithium	Eliminated	No values above screening limit.
Magnesium	Eliminated	Essential nutrient.
Manganese	Eliminated	No values above screening limit.
Mercury	Eliminated	No values above screening limit.
Molybdenum	Eliminated	No values above screening limit.
Nickel	Eliminated	No values above screening limit.
Nitrate	Eliminated	No values above screening limit.
Nitrate-Nitrite (as N)	**Retained**	Maximum value exceeds screening limit.
Perchlorate	**Retained**	Maximum value exceeds screening limit.
Potassium	Eliminated	Essential nutrient.

Table 4.4-3 (Revised) (concluded)

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Rubidium	**Retained**	No screening value available, retained for further evaluation.
Selenium	Eliminated	No values above screening limit.
Silver	Eliminated	No values above screening limit.
Sodium	Eliminated	Essential nutrient.
Strontium	Eliminated	No values above screening limit.
Sulfate	Eliminated	No values above screening limit.
Thallium	**Retained**	Maximum value exceeds screening limit.
Uranium	**Retained**	Maximum value exceeds screening limit.
Vanadium	Eliminated	No values above screening limit.
Zinc	Eliminated	No values above screening limit.

Table 4.4-5 (Revised)
Screening of Organic Chemicals in Spring Samples

Chemical	Sample Identification	Sample Concentration (µg/L)		EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Acetone	RE16-98-3065	Max. Detected Value	78	33,000	610	na[a]	na	na	na	No
	RE16-01-3035	Max. Undetected Value	30 (U)[b]	33,000	610	na	na	na	na	No
Amino-2,6-dinitrotoluene[4-]	RE16-99-3246	Max. Detected Value	7.8 (J)[c]	37	36	na	na	na	na	No
	RE16-00-3288	Max. Undetected Value	10 (U)	37	36	na	na	na	na	No
Amino-4,6-dinitrotoluene[2-]	RE16-00-3006	Max. Detected Value	3	37	36	na	na	na	na	No
	RE16-99-3246	Max. Undetected Value	20 (U)	37	36	na	na	na	na	No
Amino-x,6-dinitrotoluene[x-]	RE16-00-3145	Max. Detected Value	7.8	37	36	na	na	na	na	No
	RE16-98-3042	Max. Undetected Value	0.39 U	37	36	na	na	na	na	No
Butanone[2-]	RE16-98-3073	Max. Detected Value	8.1 (J)	7100	1900	na	na	na	na	No
	RE16-99-3193	Max. Undetected Value	20 (U)	7100	1900	na	na	na	na	No
Dichlorobenzene[1,4-]	RE16-01-3308	Max. Detected Value	0.41 (J)	0.47	0.50	2600	na	na	75	No
	RE16-01-3118	Max. Undetected Value	20 (U)	0.47	0.50	2600	na	na	75	**Yes**
Dinitrobenzene[1,3-]	RE16-01-3328	Max. Detected Value	1.1	3.70	3.60	na	na	na	na	No
	RE16-99-3246	Max. Undetected Value	20 (U)	3.70	3.60	na	na	na	na	Yes

Table 4.4-5 (Revised) (continued)

Chemical	Sample Identification	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Dinitrotoluene[2,4-]	RE16-98-3013	Max. Detected Value	0.098		73.0	73.0	91	na	na	na	No
	RE16-99-3246	Max. Undetected Value	20	(U)	73.0	73.0	91	na	na	na	No
Dinitrotoluene[2,6-]	RE16-02-45908	Max. Detected Value	0.2		37.0	36.0	na	na	na	na	No
	RE16-99-3246	Max. Undetected Value	20	(U)	37.0	36.0	na	na	na	na	No
DNX	RE16-01-3235	Max. Detected Value	0.45	(J-)[d]	0.61	0.61	na	na	na	na	No
	RE16-02-45255	Max. Undetected Value	0.5	(U)	0.61	0.61	na	na	na	na	No
HMX	RE16-99-3246	Max. Detected Value	32	(J+)[e]	1800	1800	na	na	na	na	No
	RE16-00-3125	Max. Undetected Value	20	(U)	1800	1800	na	na	na	na	No
MNX	RE16-01-3235	Max. Detected Value	0.43	(J)	0.61	0.61	na	na	na	na	No
	RE16-01-3308	Max. Undetected Value	0.5	(U)	0.61	0.61	na	na	na	na	No
Nitrobenzene	RE16-00-3006	Max. Detected Value	2.4	(J)	3.40	3.40	1900	na	na	na	No
	RE16-00-3288	Max. Undetected Value	200	(U)	3.40	3.40	1900	na	na	na	Yes
RDX	RE16-99-3246	Max. Detected Value	330	(J+)	0.61	0.61	na	na	na	na	Yes
	RE16-01-3092	Max. Undetected Value	91.3	(UJ)[f]	0.61	0.61	na	na	na	na	Yes

Table 4.4-5 (Revised) (continued)

Chemical	Sample Identification	Sample Concentration (µg/L)		EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Tetrachloroethene	RE16-00-3286	Max. Detected Value	3.9 (J)	0.10	0.66	88.5	na	20[g]	5	**Yes**
	RE16-98-3043	Max. Undetected Value	5 (U)	0.10	0.66	88.5	na	20[g]	5	**Yes**
TNX	RE16-02-45257	Max. Detected Value	0.43 (J)	0.61	0.61	na	na	na	na	No
	RE16-01-3316	Max. Undetected Value	0.5 (U)	0.61	0.61	na	na	na	na	No
Toluene	RE16-01-3235	Max. Detected Value	0.55 (J)	720	720	200,000	na	750[g]	1000	No
	RE16-98-3043	Max. Undetected Value	5 (U)	720	720	200,000	na	750[g]	1000	No
Trichloro-1,2,2-trifluoroethane[1,1,2-]	RE16-00-3201	Max. Detected Value	2 (J)	59,000	na	na	na	na	na	No
	RE16-98-3043	Max. Undetected Value	5 (U)	59,000	na	na	na	na	na	No
Trichloroethane[1,1,1-]	RE16-00-3286	Max. Detected Value	0.28 (J)	840	3200	na	na	60[g]	200	No
	RE16-98-3043	Max. Undetected Value	5 (U)	840	3200	na	na	60[g]	200	No
Trichloroethene	RE16-00-3286	Max. Detected Value	3.7 (J)	0.028	0.028	810	na	100[g]	5	**Yes**
	RE16-98-3043	Max. Undetected Value	5 (U)	0.028	0.028	810	na	100[g]	5	**Yes**
Trichlorofluoromethane	RE16-00-3205	Max. Detected Value	1 (J)	1300	1300	na	na	na	na	No
	RE16-99-3250	Max. Undetected Value	5 (U)	1300	1300	na	na	na	na	No

Table 4.4-5 (Revised) (concluded)

Chemical	Sample Identification	Sample Concentration (µg/L)		EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Trinitrobenzene[1,3,5-]	RE16-98-3038	Max. Detected Value	2.3	1100	1100	na	na	na	na	No
	RE16-99-3246	Max. Undetected Value	21 (U)	1100	1100	na	na	na	na	No
Trinitrotoluene[2,4,6-]	RE16-00-3147	Max. Detected Value	3	2.20	2.20	na	na	na	na	Yes
	RE16-99-3246	Max. Undetected Value	20 (U)	2.20	2.20	na	na	na	na	Yes

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] na = Not available.

[b] (U) = The chemical is classified "not detected."

[c] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[d] (J-) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.

[e] (J-) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.

[f] (UJ) = The chemical is classified "undetected" with an expectation that the reported result is more uncertain than usual.

[g] NMWQCC Groundwater Human Health Standard (20 NMAC 6.2.3103).

Table 4.4-6 (Revised)
Retained and Eliminated Organic Chemicals in Spring Samples

Analyte	Retained/ Eliminated	Rationale for Retaining/Eliminating as a COPC
Acetone	Eliminated	No values above screening limit.
Amino-2,6-dinitrotoluene[4-]	Eliminated	No values above screening limit.
Amino-4,6-dinitrotoluene[2-]	Eliminated	No values above screening limit.
Amino-x,6-dinitrotoluene[x-]	Eliminated	No values above screening limit.
Butanone[2-]	Eliminated	No values above screening limit.
Dichlorobenzene[1,4-]	**Retained**	Detection limit exceeds screening limit.
Dinitrobenzene[1,3-]	**Retained**	Less than 5% of analyses result in a detection but the detection limit exceeds the screening limit.
Dinitrotoluene[2,4-]	Eliminated	More than 20 analyses were performed and the number of detected values comprise less than 5% of the total number of analyses.
Dinitrotoluene[2,6-]	Eliminated	More than 20 analyses were performed and the number of detected values comprise less than 5% of the total number of analyses.
DNX	Eliminated	No values above screening limit.
HMX	Eliminated	No values above screening limit.
MNX	Eliminated	No values above screening limit.
Nitrobenzene	**Retained**	Less than 5% of analyses result in a detection but the detection limit exceeds the screening limit.
RDX	**Retained**	Detected value exceeds screening limit.
Tetrachloroethene	**Retained**	Detected value exceeds screening limit.
TNX	Eliminated	No values above screening limit.
Toluene	Eliminated	More than 20 analyses were performed and the number of detected values comprise less than 5% of the total number of analyses.
Trichloro-1,2,2-trifluoroethane[1,1,2-]	Eliminated	More than 20 analyses were performed and the number of detected values comprise less than 5% of the total number of analyses.
Trichloroethane[1,1,1-]	Eliminated	More than 20 analyses were performed and the number of detected values comprise less than 5% of the total number of analyses.

Table 4.4-6 (Revised) (concluded)

Analyte	Retained/ Eliminated	Rationale for Retaining/Eliminating as a COPC
Trichloroethene	**Retained**	Detected value exceeds screening limit.
Trichlorofluoromethane	Eliminated	More than 20 analyses were performed and the number of detected values comprise less than 5% of the total number of analyses.
Trinitrobenzene[1,3,5-]	Eliminated	No values above screening limit.
Trinitrotoluene[2,4,6-]	**Retained**	Detected value exceeds screening limit.

Table 4.4-8 (Revised)
Screening of Tritium in Spring Samples

Chemical	Sample Identification	Sample Concentration (pCi/L)		EPA Region 6 Tap Water Screening Level (pCi/L)	EPA Region 9 Tap Water PRG (pCi/L)	NMWQCC Human Health SW Standard (pCi/L)	NMWQCC Aquatic Life (Acute) SW Standard (pCi/L)	NMWQCC Standard (pCi/L)	EPA MCL (pCi/L)	Exceeds Screening Limit
Tritium	RE16-00-3288	Max. Detected Value	209.3	na[a]	na	na	na	20,000[b]	20,000	No
	RE16-98-3067	Max. Undetected Value	110 (U)[c]	na	na	na	na	20,000[b]	20,000	No

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] na = Not available.

[b] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

[c] (U) = The chemical is classified "undetected."

Table 4.4-9
Retained and Eliminated Tritium in Spring Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Tritium	Eliminated	No values above screening limit.

Table 4.4-11 (Revised)
Screening of Inorganic Chemicals in 90s Line Pond Samples

Chemical	Sample Identification	Sample Concentration (µg/L)		EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Aluminum	RE16-98-3047	Max. Detected Value	390,000	37,000	36,000	na[a]	750[b]	5000[c,d]	50	Yes
Antimony	RE16-02-45917	Max. Detected Value	6.44	15	15	4300	na	na	6	**No**
	RE16-98-3047	Max. Undetected Value	20 (U)[e]	15	15	4300	na	na	6	Yes
Arsenic	RE16-98-3047	Max. Detected Value	80	0.045	0.045	24.2	340[b]	100[f]	10	Yes
	RE16-98-3046	Max. Undetected Value	4 (U)	0.045	0.045	24.2	340[b]	100[f]	10	**Yes**
Barium	RE16-98-3047	Max. Detected Value	67,000	2600	2600	na	na	1000[f]	2000	Yes
Beryllium	RE16-98-3047	Max. Detected Value	24	73	73	na	130[b]	na	4	**No**
	RE16-98-3046	Max. Undetected Value	4 (U)	73	73	na	130[b]	na	4	No
Boron	RE16-98-3047	Max. Detected Value	87.8 (J)[g]	3300	7300	na	na	750[c]	na[c]	No
	RE16-00-3143	Max. Undetected Value	500 (U)	3300	7300	na	na	750[c]	na	No
Cadmium	RE16-98-3047	Max. Detected Value	5.9	18	18	na	1740[b]	10[f]	5	**No**
	RE16-98-3046	Max. Undetected Value	5 (U)	18	18	na	1740[b]	10[f]	5	No
Calcium	RE16-98-3047	Max. Detected Value	67,000	na	na	na	na	na	na	na
Chloride	RE16-98-3047	Max. Detected Value	22,000	na	na	na	na	250,000[h]	250,000	No
Chromium	RE16-99-3026	Max. Detected Value	52.8	110[i]	110[i]	na	130,000[b]	50[f]	100	**No**
	RE16-98-3047	Max. Undetected Value	180 (U)	110[i]	110[i]	na	130,000[b]	50[f]	100	Yes

Table 4.4-11 (Revised) (continued)

Chemical	Sample Identification	Sample Concentration (µg/L)		EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Cobalt	RE16-98-3047	Max. Detected Value	72	730	730	na	na	50[c]	na	**No**
	RE16-98-3046	Max. Undetected Value	20 (U)	730	730	na	na	50[c]	na	No
Copper	RE16-00-3143	Max. Detected Value	83	1400	1500	na	6960[b]	500[d]	1000	No
	RE16-98-3047	Max. Undetected Value	240 (U)	1400	1500	na	6960[b]	500[d]	1000	No
Fluoride	RE16-01-3128	Max. Detected Value	391	2200	2200	na	-66,600[b,j]	1600[f]	2000	No
Iron	RE16-98-3047	Max. Detected Value	310,000	11,000	11,000	na	-66,600[b,j]	1000[h]	300	Yes
Lead	RE16-98-3047	Max. Detected Value	520	15	na	na	na	50[f]	15	Yes
	RE16-99-3212	Max. Undetected Value	1.3 (U)	15	na	na	na	50[f]	15	No
Lithium	RE16-98-3047	Max. Detected Value	234	730	730	na	na	na	na	No
Magnesium	RE16-00-3143	Max. Detected Value	16,000	na	na	na	na	na	na	na
	RE16-98-3047	Max. Undetected Value	47,000 (U)	na	na	na	na	na	na	na
Manganese	RE16-98-3047	Max. Detected Value	3800	1700	880	na	na	200[h]	50	Yes
Mercury	RE16-98-3047	Max. Detected Value	1	11	11	na	2.4[b]	0.77[k]	2	**No**
	RE16-02-45917	Max. Undetected Value	0.2 (U)	11	11	na	2.4[b]	0.77[k]	2	No
Molybdenum	RE16-98-3047	Max. Detected Value	10 (J)	180	180	na	na	1000[c]	na	No
Nickel	RE16-98-3047	Max. Detected Value	150	730	730	4600	128,000[b]	200[c]	na	No
	RE16-98-3046	Max. Undetected Value	40 (U)	730	730	4600	128,000[b]	200[c]	na	No

Table 4.4-11 (Revised) (continued)

Chemical	Sample Identification	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Nitrate-Nitrite as N	RE16-98-3047	Max. Detected Value	4100		na	na	na	na	10,000[f]	110,000	No
Potassium	RE16-98-3047	Max. Detected Value	60,000		na	na	na	na	na	na	na
Selenium	RE16-99-3056	Max. Detected Value	3.7	(J)	180	180	11,000	20.0[b]	5[k]	50	No
	RE16-00-3143	Max. Undetected Value	8	(UJ)[k]	180	180	11,000	20.0[b]	5[k]	50	**No**
Silver	RE16-00-3143	Max. Detected Value	0.64	(J)	180	180	na	na	50[f]	100	No
	RE16-98-3047	Max. Undetected Value	10	(U)	180	180	na	na	50[f]	100	No
Sodium	RE16-98-3046	Max. Detected Value	10,000		na	na	na	na	na	na	na
Strontium	RE16-98-3047	Max. Detected Value	1360		22,000	22,000	na	na	na	na	No
Sulfate	RE16-98-3047	Max. Detected Value	18,000		na	na	na	na	600,000[h]	250,000	No
Thallium	RE16-98-3047	Max. Detected Value	5.3		2.90[m]	2.40	6.3	na	na	2	Yes
	RE16-98-3046	Max. Undetected Value	5	(U)	2.90[m]	2.40	6.3	na	na	2	Yes
Uranium	RE16-98-3075	Max. Detected Value	86.5	(J)	na	7.30	na	na	5000[f]	30	Yes
	RE16-98-3047	Max. Undetected Value	378	(U)	na	7.30	na	na	5000[f]	30	Yes
Vanadium	RE16-98-3047	Max. Detected Value	380		37	260	na	na	100[d]	na	Yes
	RE16-98-3046	Max. Undetected Value	10	(U)	37	260	na	na	100[d]	na	No

Table 4.4-11 (Revised) (concluded)

Chemical	Sample Identification	Sample Concentration (µg/L)		EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Zinc	RE16-98-3047	Max. Detected Value	670	11,000	11,000	69,000	32,300[b]	10,000[h]	5000	No
	RE16-02-45917	Max. Undetected Value	8.68 (U)	11,000	11,000	69,000	32,300[b]	10,000[h]	5000	No

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] na = Not available.

[b] Calculated using the minimum hardness determined, 76,000.

[c] NMWQCC Groundwater Standard for Irrigation Use (20 NMAC 6.2.3103).

[d] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

[e] (U) = The chemical is classified "undetected."

[f] NMWQCC Groundwater Human Health Standard (20 NMAC 6.2.3103).

[g] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[h] NMWQCC Groundwater Other Standards for Domestic Water Supply (20 NMAC 6.2.3103).

[i] Denotes Chromium VI value was used.

[j] Negative value is an artifact of hardness.

[k] NMWQCC Surface Water Standard for Wildlife Habitat (20 NMAC 6.4.900).

[l] (UJ) = The chemical is classified "undetected" with an expectation that the reported result is more uncertain than usual.

[m] Denotes Thallium Carbonate value was used.

Table 4.4-12 (Revised)
Retained and Eliminated Inorganic Chemicals in 90s Line Pond Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Aluminum	Retained	Maximum value exceeds screening limit.
Antimony	Retained	Detection limit exceeds screening limit.
Arsenic	Retained	Maximum value exceeds screening limit.
Barium	Retained	Maximum value exceeds screening limit.
Beryllium	Eliminated	No values above screening limit.
Boron	Eliminated	No values above screening limit.
Cadmium	Eliminated	No values above screening limit.
Calcium	Eliminated	Essential nutrient.
Chloride	Eliminated	No values above screening limit.
Chromium	Retained	Detection limit exceeds screening limit.
Cobalt	Eliminated	No values above screening limit.
Copper	Eliminated	No values above screening limit.
Fluoride	Eliminated	No values above screening limit.
Iron	Retained	Maximum value exceeds screening limit.
Lead	Retained	Maximum value exceeds screening limit.
Lithium	Eliminated	No values above screening limit.
Magnesium	Eliminated	Essential nutrient.
Manganese	Retained	Maximum value exceeds screening limit.
Mercury	Eliminated	No values above screening limit.
Molybdenum	Eliminated	No values above screening limit.
Nickel	Eliminated	No values above screening limit.
Nitrate-Nitrite as N	Eliminated	No values above screening limit.
Potassium	Eliminated	Essential nutrient.
Selenium	Eliminated	No values above screening limit.
Silver	Eliminated	No values above screening limit.
Sodium	Eliminated	Essential nutrient.
Strontium	Eliminated	No values above screening limit.
Sulfate	Eliminated	No values above screening limit.
Thallium	Retained	Maximum value exceeds screening limit.
Uranium	Retained	Maximum value exceeds screening limit.
Vanadium	Retained	Maximum value exceeds screening limit.
Zinc	Eliminated	No values above screening limit.

Table 4.4-14 (Revised)
Screening of Organic Chemical in 90s Line Pond Samples

Chemical	Sample Identification	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Acetone	RE16-98-3047	Max. Detected Value	89	(J-)[a]	33,000	610	na[b]	na	na	na	No
	RE16-99-3211	Max. Undetected Value	20	(U)[c]	33,000	610	na	na	na	na	No
Chloroform	RE16-99-3056	Max. Detected Value	1.3	(J)[d]	75.0	6.20	4700	na	100[e]	na	No
	RE16-99-3026	Max. Undetected Value	5	(U)	75.0	6.20	4700	na	100[e]	na	No
Dinitrotoluene [2,6-]	RE16-98-3046	Max. Detected Value	0.2		37.0	36.0	na	na	na	na	No
	RE16-99-3211	Max. Undetected Value	11	(U)	37.0	36.0	na	na	na	na	No
HMX	RE16-98-3046	Max. Detected Value	14		1800	1800	na	na	na	na	No
	RE16-99-3026	Max. Undetected Value	1	(U)	1800	1800	na	na	na	na	No
Methyl-2-pentanone[4-]	RE16-98-3075	Max. Detected Value	1.5	(J)	2000	160	na	na	na	na	No
	RE16-99-3211	Max. Undetected Value	20	(U)	2000	160	na	na	na	na	No
RDX	RE16-98-3046	Max. Detected Value	23		0.61	0.61	na	na	na	na	Yes
	RE16-99-3026	Max. Undetected Value	0.8	(U)	0.61	0.61	na	na	na	na	Yes
Toluene	RE16-98-3075	Max. Detected Value	1.7	(J)	720	720	200,000	na	750[e]	1000	No
	RE16-99-3211	Max. Undetected Value	5	(U)	720	720	200,000	na	750[e]	1000	No

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] (J-) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.

[b] na = Not available.

[c] (U) = The chemical is classified "undetected."

[d] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[e] NMWQCC Groundwater Human Health Standard (20 NMAC 6.2.3103).

Table 4.4-15
Retained and Eliminated Organic Chemicals in 90s Line Pond Samples

Chemical	Retained/ Eliminated	Rationale for Retaining/Eliminating as a COPC
Acetone	Eliminated	No values above screening limit.
Chloroform	Eliminated	No values above screening limit.
Dinitrotoluene[2,6-]	Eliminated	No values above screening limit.
HMX	Eliminated	No values above screening limit.
Methyl-2-pentanone[4-]	Eliminated	No values above screening limit.
RDX	**Retained**	Maximum value exceeds screening limit.
Toluene	Eliminated	No values above screening limit.

Table 4.4-17 (Revised)
Screening of Tritium in 90s Line Pond Samples

Chemical	Sample Identification	Sample Concentration (pCi/L)		EPA Region 6 Tap Water Screening Level pCi/L)	EPA Region 9 Tap Water PRG (pCi/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (pCi/L)	EPA MCL (pCi/L)	Exceeds Screening Limit
Tritium	RE16-01-3128	Max. Detected Value	326.4	na[a]	na	na	na	20,000[b]	20,000	No
	RE16-02-45913	Max. Undetected Value	37.12 (U)[c]	na	na	na	na	20,000[b]	20,000	No

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] na = Not available.

[b] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

[c] (U) = The chemical is classified "undetected."

Table 4.4-18
Retained and Eliminated Results Tritium in 90s Line Pond Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Tritium	Eliminated	No values above screening limit.

Table 4.4-23 (Revised)
Screening of Inorganic Chemicals in Intermediate-Depth Perched Aquifer Samples

Chemical	Sample Identification	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Aluminum	RE16-98-3024	Max. Detected Value	111,000		37,000	36,000	5000[a,b]	50	Yes
Antimony	RE16-01-3063	Max. Detected Value	20.1	(J)[c]	15	15	na[d]	6	Yes
	RE16-98-3024	Max. Undetected Value	26.6	(UJ)[e]	15	15	na	6	Yes
Arsenic	RE16-98-3024	Max. Detected Value	76.5		0.045	0.045	100[f]	10	Yes
	RE16-99-3076	Max. Undetected Value	2.7	(U)[g]	0.045	0.045	100[f]	10	**Yes**
Barium	RE16-98-3024	Max. Detected Value	1790		2600	2600	1000[f]	2000	**No**
Beryllium	RE16-98-3024	Max. Detected Value	23.3		73	73	na	4	**No**
	RE16-99-3029	Max. Undetected Value	0.78	(U)	73	73	na	4	No
Boron	RE16-99-3029	Max. Detected Value	1640		3300	7300	750[a]	na	**No**
Cadmium	RE16-01-3063	Max. Detected Value	18.2		18	18	10[f]	5	**No**
	RE16-01-3044	Max. Undetected Value	0.26	(U)	18	18	10[f]	5	No
Calcium	RE16-98-3024	Max. Detected Value	76,400		na	na	na	na	na
Chloride	RE16-99-3028	Max. Detected Value	22,000		na	na	250,000[h]	250,000	No
Chromium	RE16-98-3024	Max. Detected Value	265		110[i]	110[i]	50[f]	100	Yes
Cobalt	RE16-98-3024	Max. Detected Value	1140		730	730	50[a]	na	Yes
	RE16-00-3296	Max. Undetected Value	2.8	(U)	730	730	50[a]	na	No
Copper	RE16-98-3024	Max. Detected Value	20,200		1400	1500	500[b]	1000	Yes
Fluoride	RE16-99-3028	Max. Detected Value	560		2200	2200	1600[f]	2000	No
Iron	RE16-98-3024	Max. Detected Value	311,000		11,000	11,000	1000[h]	300	Yes
	RE16-99-3077	Max. Undetected Value	161	(U)	11,000	11,000	1000[h]	300	No
Lead	RE16-98-3024	Max. Detected Value	711		15	na	50[f]	15	Yes
	RE16-99-3076	Max. Undetected Value	1.3	(U)	15	na	50[f]	15	No

Table 4.4-23 (Revised) (concluded)

Chemical	Sample Identification	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Manganese	RE16-98-3024	Max. Detected Value	11,000		1700	880	200[h]	50	Yes
Mercury	RE16-99-3028	Max. Detected Value	0.21		11	11	0.77[j]	2	No
	RE16-01-3043	Max. Undetected Value	0.1	(U)	11	11	0.77[j]	2	No
Nickel	RE16-98-3024	Max. Detected Value	4070		730	730	200[a]	na	Yes
Nitrate	RE16-99-3076	Max. Detected Value	3800		10,000	10,000	10,000[f]	10,000	No
Nitrate-Nitrite (as N)	RE16-00-3296	Max. Detected Value	2200		na	na	10,000[f]	na	No
Potassium	RE16-98-3024	Max. Detected Value	47,900		na	na	na	na	na
Selenium	RE16-98-3024	Max. Detected Value	348		180	180	5[j]	50	Yes
	RE16-99-3076	Max. Undetected Value	2.9	(U)	180	180	5[j]	50	No
Silver	RE16-98-3024	Max. Detected Value	3000		180	180	50[f]	100	Yes
	RE16-01-3044	Max. Undetected Value	1.3	(UJ)	180	180	50[f]	100	No
Sodium	RE16-98-3024	Max. Detected Value	47,500		na	na	na	na	na
Sulfate	RE16-99-3076	Max. Detected Value	23,000		na	na	600,000[h]	250,000	No
Thallium	RE16-98-3024	Max. Detected Value	290		2.90[k]	2.40	na	2	Yes
	RE16-99-3077	Max. Undetected Value	4.5	(U)	2.90[k]	2.40	na	2	Yes
Uranium	RE16-99-3028	Max. Detected Value	10.53		na	7.30	5000[f]	30	**Yes**
Vanadium	RE16-98-3024	Max. Detected Value	94.5		37	260	100[b]	na	**Yes**
Zinc	RE16-98-3024	Max. Detected Value	23,900		11,000	11,000	10,000[h]	5000	Yes

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] NMWQCC Groundwater Standard for Irrigation Use (20 NMAC 6.2.3103).

[b] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

[c] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[d] na = Not available.

[e] (UJ) = The chemical is classified "undetected" with an expectation that the reported result is more uncertain than usual.

[f] NMWQCC Groundwater Human Health Standard (20 NMAC 6.2.3103).

[g] (U) = The chemical is classified "undetected."

[h] NMWQCC Groundwater Other Standards for Domestic Water Supply (20 NMAC 6.2.3103).

[i] Denotes Chromium VI value was used.

[j] NMWQCC Surface Water Standard for Wildlife Habitat (20 NMAC 6.4.900).

[k] Denotes Thallium Carbonate value was used.

Table 4.4-24 (Revised)
Retained and Eliminated Inorganic Chemicals in Intermediate-Depth Perched Aquifer Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Aluminum	Retained	Maximum value exceeds screening limit.
Antimony	Retained	Maximum value exceeds screening limit.
Arsenic	Retained	Maximum value exceeds screening limit.
Barium	Eliminated	No values above screening limit.
Beryllium	Eliminated	No values above screening limit.
Boron	Eliminated	No values above screening limit.
Cadmium	Eliminated	No values above screening limit.
Calcium	Eliminated	Essential nutrient.
Chloride	Eliminated	No values above screening limit.
Chromium	Retained	Maximum value exceeds screening limit.
Cobalt	Retained	Maximum value exceeds screening limit.
Copper	Retained	Maximum value exceeds screening limit.
Fluoride	Eliminated	No values above screening limit.
Iron	Retained	Maximum value exceeds screening limit.
Lead	Retained	Maximum value exceeds screening limit.
Magnesium	Eliminated	Essential nutrient.
Manganese	Retained	Maximum value exceeds screening limit.
Mercury	Eliminated	No values above screening limit.
Nickel	Retained	Maximum value exceeds screening limit.
Nitrate	Eliminated	No values above screening limit.
Nitrate-Nitrite (as N)	Eliminated	No values above screening limit.
Potassium	Eliminated	Essential nutrient.
Selenium	Retained	Maximum value exceeds screening limit.
Silver	Retained	Maximum value exceeds screening limit.
Sodium	Eliminated	Essential nutrient.
Sulfate	Eliminated	No values above screening limit.
Thallium	Retained	Maximum value exceeds screening limit.
Uranium	Retained	Maximum value exceeds screening limit.
Vanadium	Retained	Maximum value exceeds screening limit.
Zinc	Retained	Maximum value exceeds screening limit.

Table 4.4-26 (Revised)
Screening of Organic Chemicals in Intermediate-Depth Perched Aquifer Samples

Chemical	Sample Identification	Sample Concentration (µg/L)			EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Acetone	RE16-98-3026	Max. Detected Value	51		33,000	610	na[a]	na	No
	RE16-00-3296	Max. Undetected Value	30	(U)[b]	33,000	610	na	na	No
Amino-2,6-dinitrotoluene[4-]	RE16-98-3026	Max. Detected Value	15		37	36	na	na	No
	RE16-99-3076	Max. Undetected Value	2.5	(U)	37	36	na	na	No
Amino-4,6-dinitrotoluene[2-]	RE16-98-3026	Max. Detected Value	3.44		37	36	na	na	No
	RE16-99-3076	Max. Undetected Value	2.5	(U)	37	36	na	na	No
Amino-x,6-dinitrotoluene[x-]	RE16-98-3022	Max. Detected Value	11	(J-)[c]	37	36	na	na	No
Dichloroethane[1,2-]	RE16-98-3026	Max. Detected Value	3.2		0.12	0.12	10[d]	5	**Yes**
	RE16-99-3028	Max. Undetected Value	5	(U)	0.12	0.12	10[d]	5	**Yes**
Dinitrotoluene[2,4-]	0316-98-0420	Max. Detected Value	4.03		73.0	73.0	n/a	na	No
	RE16-99-3076	Max. Undetected Value	2.5	(U)	73.0	73.0	n/a	na	No
Dinitrotoluene[2,6-]	RE16-98-3022	Max. Detected Value	1.1		37.0	36.0	na	na	No
	RE16-99-3076	Max. Undetected Value	2.5	(U)	37.0	36.0	na	na	No
HMX	0316-98-0420	Max. Detected Value	21		1800	1800	na	na	No
Methylene Chloride	RE16-99-3028	Max. Detected Value	1.6	(J)[e]	4.30	4.30	100[d]	5	No
	RE16-99-3076	Max. Undetected Value	18	(U)	4.30	4.30	100[d]	5	Yes
RDX	RE16-98-3026	Max. Detected Value	2490		0.61	0.61	na	na	Yes
Tetrachloroethene	RE16-99-3028	Max. Detected Value	1.1	(J)	0.10	0.66	20[d]	5	**Yes**
	RE16-00-3296	Max. Undetected Value	5	(U)	0.10	0.66	20[d]	5	**Yes**
Trichloroethene	RE16-99-3028	Max. Detected Value	15		0.028	0.028	100[d]	5	Yes
	RE16-98-3026	Max. Undetected Value	3	(U)	0.028	0.028	100[d]	5	**Yes**
Trinitrobenzene[1,3,5-]	RE16-98-3022	Max. Detected Value	0.7		1100	1100	na	na	No
	RE16-99-3076	Max. Undetected Value	2.6	(U)	1100	1100	na	na	No

Table 4.4-26 (Revised) (concluded)

Chemical	Sample Identification	Sample Concentration (µg/L)		EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Trinitrotoluene[2,4,6-]	0316-98-0420	Max. Detected Value	1.27	2.20	2.20	na	na	No
	RE16-99-3076	Max. Undetected Value	2.5 (U)	2.20	2.20	na	na	Yes

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] na = Not available.

[b] (U) = The chemical is classified "not detected."

[c] (J-) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.

[d] NMWQCC Groundwater Human Health Standard (20 NMAC 6.2.3103).

[e] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

Table 4.4-27 (Revised)
Retained and Eliminated Organic Chemicals in Intermediate-Depth Perched Aquifer Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Acetone	Eliminated	No values above screening limit.
Amino-2,6-dinitrotoluene[4-]	Eliminated	No values above screening limit.
Amino-4,6-dinitrotoluene[2-]	Eliminated	No values above screening limit.
Amino-x,6-dinitrotoluene[x-]	Eliminated	No values above screening limit.
Dichloroethane[1,2-]	Retained	Maximum value exceeds screening limit.
Dinitrotoluene[2,4-]	Eliminated	No values above screening limit.
Dinitrotoluene[2,6-]	Eliminated	No values above screening limit.
HMX	Eliminated	No values above screening limit.
Methylene Chloride	Retained	Maximum value exceeds screening limit.
RDX	Retained	Maximum value exceeds screening limit.
Tetrachloroethene	Retained	Maximum value exceeds screening limit.
Trichloroethene	Retained	Maximum value exceeds screening limit.
Trinitrobenzene[1,3,5-]	Eliminated	No values above screening limit.
Trinitrotoluene[2,4,6-]	Retained	Maximum value exceeds screening limit.

Table 4.4-29 (Revised)
Screening of Tritium Detected in Intermediate-Depth Wells Perched Aquifer Samples

Chemical	Sample Identification	Sample Concentration (pCi/L)		EPA Region 6 Tap Water Screening Level (pCi/L)	EPA Region 9 Tap Water PRG (pCi/L)	NMWQCC Standard (pCi/L)	EPA MCL (pCi/L)	Exceeds Screening Limit
Tritium	RE16-00-3296	Max. Detected Value	103.4	na[a]	na	20,000[b]	20,000	No

Sources:
20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867.

[a] na = Not available.

[b] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

Table 4.4-30
Retained and Eliminated Tritium in Intermediate-Depth Perched Aquifer Samples

Chemical	Retained/Eliminated	Rationale for Retaining/Eliminating as a COPC
Tritium	Eliminated	No values above screening limit.

Supplemental Table 4.1
Screening of Inorganic Chemicals Detected in Spring Samples

Chemical	Sample Identification	Sample Concentration (µg/L)		Maximum Background Concentration (µg/L)	Maximum Exceeds Background Concentration	EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Aluminum	RE16-01-3235	Max. Detected Value	17,100	1,400	Yes	37,000	36,000	na[a]	750[b]	5000[c,d]	50	No
	RE16-01-3033	Max. Undetected Value	400 (U)[e]	<200e	Yes	37,000	36,000	na	750[b]	5000[a,b]	50	No
Antimony	RE16-01-3041	Max. Detected Value	4.7 (J)[f]	0	Yes	15	15	4300	na	na	6	No
	RE16-98-3039	Max. Undetected Value	20 (U)	<100	No	15	15	4300	na	na	6	Yes
Arsenic	RE16-01-3257	Max. Detected Value	10.1	0	Yes	0.045	0.045	24.2	340[b]	100[g]	10	Yes
	RE16-02-45252	Max. Undetected Value	5 (U)	<50	No	0.045	0.045	24.2	340[b]	100[f]	10	Yes
Barium	RE16-00-3203	Max. Detected Value	1310	100	Yes	2600	2600	na	na	1000[f]	2000	No
Beryllium	RE16-01-3184	Max. Detected Value	1.4 (J)	n/a	n/a	73	73	na	130[b]	na	4	No
	RE16-98-3039	Max. Undetected Value	4 (U)	<10	No	73	73	na	130[b]	na	4	No
Boron	RE16-01-3329	Max. Detected Value	2840	730	Yes	3300	7300	na	na	750[a]	na[h]	No
	RE16-00-3127	Max. Undetected Value	500 (U)	<100	Yes	3300	7300	na	na	750[a]	na	No
Cadmium	RE16-00-3260	Max. Detected Value	2.3 (J+)[h]	3	No	18	18	na	1740[b]	10[f]	5	No
	RE16-98-3039	Max. Undetected Value	5 (U)	<30	No	18	18	na	1740[b]	10[f]	5	No
Calcium	RE16-00-3000	Max. Detected Value	44,000	21,000	Yes	na	na	na	na	na	na	na

Supplemental Table 4.1 (continued)

Chemical	Sample Identification	Sample Concentration (µg/L)		Maximum Background Concentration (µg/L)	Maximum Exceeds Background Concentration	EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Cesium	RE16-98-3012	Max. Detected Value	500	6	Yes	na	na	na	na	na	na	na
	RE16-98-3016	Max. Undetected Value	500 (U)	<5	Yes	na	na	na	na	na	na	na
Chloride	RE16-00-3000	Max. Detected Value	32,000	8,000	Yes	na	na	na	na	250,000[i]	250,000	No
Chromium	RE16-99-3042	Max. Detected Value	32.7	11	Yes	110[j]	110[j]	na	130,000[b]	50[f]	100	No
	RE16-98-3039	Max. Undetected Value	10 (U)	<30	No	110[a]	110[a]	na	130,000[b]	50[f]	100	No
Cobalt	RE16-00-3283	Max. Detected Value	11 (J)	59	No	730	730	na	na	50[a]	na	No
	RE16-98-3039	Max. Undetected Value	20 (U)	<60	No	730	730	na	na	50[a]	na	No
Copper	RE16-01-3257	Max. Detected Value	43.1	30	Yes	1400	1500	na	6960[b]	500[b]	1000	No
	RE16-98-3039	Max. Undetected Value	20 (U)	<40	No	1400	1500	na	6960[b]	500[b]	1000	No
Cyanide (Total)	RE16-98-3041	Max. Detected Value	3.2 (J)	na	n/a	6.2 [b]	6.2 [b]	220,000	22	5.2[k]	200	No
	RE16-98-3038	Max. Undetected Value	13 (U)	na	n/a	6.2 [b]	6.2 [b]	220,000	22	5.2[k]	200	Yes
Fluoride	RE16-00-3000	Max. Detected Value	890	300	Yes	2200	2200	na	na	1600[f]	2000	No
	RE16-01-3037	Max. Undetected Value	14 (U)	<500	No	2200	2200	na	na	1600[f]	2000	No
Iron	RE16-00-3203	Max. Detected Value	10,200	4,170	Yes	11,000	11,000	na	na	1000[i]	300	No
	RE16-98-3073	Max. Undetected Value	293 (U)	<100	Yes	11,000	11,000	na	na	1000[i]	300	No

Supplemental Table 4.1 (continued)

Chemical	Sample Identification	Sample Concentration (µg/L)		Maximum Background Concentration (µg/L)	Maximum Exceeds Background Concentration	EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Lead	RE16-00-3203	Max. Detected Value	20.2	460	No	15	na	na	-66,600[b,l]	50[f]	15	Yes
	RE16-00-3002	Max. Undetected Value	2 (U)	<20	No	15	na	na	-66,600[b,l]	50[f]	15	No
Lithium	RE16-98-3063	Max. Detected Value	9.4 (J)	50	No	730	730	na	na	na	na	No
Magnesium	RE16-01-3329	Max. Detected Value	10,000	4,860	Yes	na	na	na	na	na	na	na
	RE16-98-3038	Max. Undetected Value	6800 (U)	n/a	n/a	na	na	na	na	na	na	na
Manganese	RE16-00-3203	Max. Detected Value	1080	70	Yes	1700	880	na	na	200[i]	50	No
	RE16-98-3039	Max. Undetected Value	10 (U)	<20	No	1700	880	na	na	200[i]	50	No
Mercury	RE16-01-3186	Max. Detected Value	1	n/a	n/a	11	11	na	2.4[b]	0.77[j]	2	No
	RE16-02-45252	Max. Undetected Value	0.2 (U)	<100	No	11	11	na	2.4[b]	0.77[j]	2	No
Molybdenum	RE16-98-3039	Max. Detected Value	6.4 (J)	9	No	180	180	na	na	1000[a]	na	No
	RE16-98-3041	Max. Undetected Value	4.9 (U)	<100	No	180	180	na	na	1000[a]	na	No
Nickel	RE16-00-3203	Max. Detected Value	18.6	20	No	730	730	4600	128,000[b]	200[a]	na	No
	RE16-00-3125	Max. Undetected Value	40 (U)	<20	Yes	730	730	4600	128,000[b]	200[a]	na	No
Nitrate	RE16-98-3063	Max. Detected Value	4400	1,550	Yes	10,000	10,000	na	na	10,000[f]	10,000	No
Nitrate-Nitrite as N	RE16-00-3282	Max. Detected Value	3,800,000	76,000	Yes	na	na	na	na	10,000[f]	10,000	Yes
	RE16-01-3021	Max. Undetected Value	1000 (U)	n/a	n/a	na	na	na	na	10,000[f]	10,000	No

Supplemental Table 4.1 (continued)

Chemical	Sample Identification	Sample Concentration (µg/L)		Maximum Background Concentration (µg/L)	Maximum Exceeds Background Concentration	EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Perchlorate	RE16-00-3145	Max. Detected Value	17.5	NA	n/a	3.70	3.60	na	na	4[m]	na	Yes
	RE16-01-3090	Max. Undetected Value	958 (U)	NA	n/a	3.70	3.60	na	na	4[k]	na	Yes
Potassium	RE16-01-3090	Max. Detected Value	12,400 (J)	9,000	Yes	na	na	na	na	na	na	na
	RE16-01-3186	Max. Undetected Value	2330 (U)	n/a	n/a	na	na	na	na	na	na	na
Rubidium	RE16-98-3012	Max. Detected Value	7000	10	Yes	na	na	na	na	na	na	na
	RE16-98-3016	Max. Undetected Value	500 (U)	<100	Yes	na	na	na	na	na	na	na
Selenium	RE16-00-3282	Max. Detected Value	14.4 (J+)	n/a	n/a	180	180	11,000	na	5[j]	50	No
	RE16-01-3329	Max. Undetected Value	5 (U)	<100	No	180	180	11,000	na	5[j]	50	No
Silver	RE16-00-3246	Max. Detected Value	4.5 (J)	n/a	n/a	180	180	na	na	50[f]	100	No
	RE16-98-3039	Max. Undetected Value	10 (U)	<30	No	180	180	na	na	50[f]	100	No
Sodium	RE16-01-3329	Max. Detected Value	50,200	14,000	Yes	na	na	na	na	na	na	na
Strontium	RE16-98-3068	Max. Detected Value	158	110	Yes	22,000	22,000	na	na	na	na	No
Sulfate	RE16-00-3000	Max. Detected Value	32,000	66,000	No	na	na	na	na	600,000[i]	250,000	No
Thallium	RE16-00-3000	Max. Detected Value	7.1 (J)	1	Yes	2.90[n]	2.40	6.3	na	na	2	Yes
	RE16-98-3013	Max. Undetected Value	7.6 (U)	<100	No	2.90[n]	2.40	6.3	na	na	2	Yes

Supplemental Table 4.1 (concluded)

Chemical	Sample Identification	Sample Concentration (µg/L)		Maximum Background Concentration (µg/L)	Maximum Exceeds Background Concentration	EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)	EPA MCL (µg/L)	Exceeds Screening Limit
Uranium	RE16-98-3063	Max. Detected Value	60	5	Yes	na	7.30	na	na	5000[f]	30	Yes
	RE16-98-3039	Max. Undetected Value	126 (U)	<100	Yes	na	7.30	na	na	5000[f]	30	Yes
Vanadium	RE16-00-3246	Max. Detected Value	29	70	No	37	260	na	na	100[b]	na	No
	RE16-00-3125	Max. Undetected Value	10 (U)	<20	No	37	260	na	na	100[b]	na	No
Zinc	RE16-01-3255	Max. Detected Value	74.1	130	No	11,000	11,000	69,000	32,400[b]	10,000[i]	5000	No
	RE16-01-3035	Max. Undetected Value	41 (U)	<500	No	11,000	11,000	69,000	32,400[b]	10,000[i]	5000	No

Sources: 20 NMAC 6.2.3103 "Standards for groundwater of 10,000 mg/l TDS concentration or less," Parts A, B, and C; 20 NMAC 6.4.900 "Standards applicable to attainable or designated uses unless otherwise specified in 20.6.4.101 through 20.6.4.899 NMAC," Parts K, L, and M; EPA 2002, 76871; EPA 2003, 76867; and California DHS 2003, 76862.

[a] na = Not available.

[b] Calculated using the minimum hardness determined, 76,000.

[c] NMWQCC Groundwater Standard for Irrigation Use (20 NMAC 6.2.3103).

[d] NMWQCC Surface Water Standard for Livestock Watering (20 NMAC 6.4.900).

[e] (U) = The chemical is classified "undetected."

[f] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[g] NMWQCC Groundwater Human Health Standard (20 NMAC 6.2.3103).

[h] (J+) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.

[i] NMWQCC Groundwater Other Standards for Domestic Water Supply (20 NMAC 6.2.3103).

[j] Denotes Chromium VI value was used.

[k] NMWQCC Surface Water Standard for Wildlife Habitat (20 NMAC 6.4.900).

[l] Negative value is an artifact of hardness correction calculation.

[m] 2003 California DHS Action Level.

[n] Denotes Thallium Carbonate was used.

Table 4.4-17 (a)
Major and Minor Constituents in TA-16 Springs — Historic Data

Sample ID	Description	Date	Boron (ppm)	Bromine (ppm)	Calcium (ppm)	Chloride (ppm)	Fluoride (ppm)	Bicarbonate (ppm)	Lithium (ppm)	Magnesium (ppm)	Potassium (ppm)	Sodium (ppm)	Silicate (ppm) calc	Sulfate (ppm)	Strontium (ppm)	Total dissolved solvents (ppm)	Cation sum	Anion Sum
Springs																		
PP94-50	Burning Ground Spring	4/15/94	0.01	0.08	18.7	21.8	0.20	87.4	<0.01	4.86	3.30	21.4	49.86	8.31	0.14	220.5	2.461	2.279
NMED	Burning Ground Spring	8/12/94	<0.1	NA[a]	20	15	0.2	92	NA	4.9	5	19	NC[b]	10	0.1	NC	NC	NC
NMED	Burning Ground Spring	3/17/95	<0.01	<0.4	14	19	<0.5	85	<0.01	4.5	3	25	NC	30	<0.01	180	NC	NC
SSite96-5	Burning Ground Spring	3/01/96	0.021	0.09	17.5	16.6	0.16	104	<0.01	5.03	3.33	25.4	47.72	9.84	0.11	206.8	0.121	4.851
SSite96-17	Burning Ground Spring	4/10/96	0.021	0.07	16.4	14.3	0.14	100	<0.01	4.71	3.26	24.0	46.44	9.02	0.11	223.8	2.396	2.313
NMED	Martin Spring	5/12/95	1.4	<0.5	24	19	<0.5	104	<0.01	6	3	22	NC	20	0.12	200	NC	NC
PP95-132	Martin Spring	7/21/95	1.58	0.13	24.6	20.2	0.61	122	0.01	5.71	3.31	30.9	47.08	17.9	0.13	290.2	3.164	3.298
SSite96-4	Martin Spring	3/01/96	1.81	0.16	28.1	20.6	0.70	130	0.01	6.45	2.89	34.1	51.36	20.7	0.14	275.3	0.552	6.047
SSite96-15	Martin Spring	4/10/96	1.81	0.16	28.1	20.3	0.67	137	0.01	6.47	2.85	36.4	52.00	21.0	0.16	325.9	3.618	3.675
PP94-74	SWSC Spring	8/12/94	0.026	0.09	18.4	17.3	0.18	92.9	<0.01	4.97	3.04	20.2	45.37	10.2	0.13	219	2.318	2.322
NMED	SWSC Spring	8/12/94	<0.1	NA	18	15	0.2	90	NA	5.4	5	19	NC	10	0.1	NC	NC	NC
NMED	SWSC Spring	3/17/95	<0.01	<0.4	16	19	<0.5	80	<0.01	4.8	3	24	NC	31	<0.01	174	NC	NC
SSite96-18	SWSC Spring	4/10/96	0.029	0.09	16.3	14.3	0.13	100	<0.01	4.83	3.26	24.8	46.44	9.18	0.11	225.2	2.419	2.324
SSite96-6	SWSC Spring	3/01/96	0.033	0.10	18.2	16.8	0.16	104	<0.01	5.19	3.38	25.4	44.94	10.1	0.12	206.6	0.132	4.851

[a] NA = Not analyzed.

[b] NC = Not calculated.

Table 4.4-17 (b)
Major and Minor Constituents in TA-16 Springs–Historic Data

Sample ID	Description	Date	Silver (ppm)	Aluminum (ppm)	Arsenic (ppm)	Barium (ppm)	Cadmium (ppm)	Chromium (ppm)	Cesium (ppm)	Copper (ppm)	Iron (ppm)	Mercury (ppm)	Iodine (ppm)	Manganese (ppm)	Molybdenum (ppm)	Ammonium (ppm)	Nickel (ppm)	Nitrite (ppm)	Nitrate (ppm)	Lead (ppm)	Phosphate (ppm)	Rubidium (ppm)	Antimony (ppm)	Selenium (ppm)	Zinc (ppm)
Springs																									
PP94-50	Burning Ground Spring	4/15/94	<0.0005	0.75	0.0006	0.29	0.0003	<0.002	<0.002	0.004	0.31	0.0002	<0.01	<0.01	<0.002	0.10	0.005	<0.02	2.91	0.003	<0.05	0.005	<0.0002	<0.0002	0.01
NMED	Burning Ground Spring	8/12/94	<0.1	0.4	0.0005	0.3	<0.001	0.002	NA[a]	<0.01	0.3	<0.0005	NA	<0.05	<0.001	NA	<0.1	NA	1.1	<0.001	NA	NA	NA	<0.005	<0.1
NMED	Burning Ground Spring	3/17/95	<0.01	0.4	<0.005	0.3	<0.005	<0.01	NA	<0.01	0.1	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.003	NA	NA	<0.06	<0.005	<0.02
SSite96-5	Burning Ground Spring	3/01/96	0.0004	0.55	0.0035	0.23	<0.001	<0.002	<0.002	0.004	0.22	0.0002	<0.01	<0.01	0.002	0.05	<0.002	<0.02	3.91	<0.002	0.44	0.005	<0.0002	<0.0002	0.01
SSite96-17	Burning Ground Spring	4/10/96	<0.0002	0.41	0.0009	0.21	<0.0002	<0.002	0.003	<0.002	0.16	<0.0002	<0.01	<0.01	0.003	0.05	0.002	<0.01	4.08	<0.002	0.42	0.006	<0.0001	<0.0001	<0.01
NMED	Martin Spring	5/12/95	<0.01	<0.2	<0.01	0.2	<0.005	<0.01	NA	<0.01	<0.1	<0.003	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.003	NA	NA	<0.02	<0.005	<0.02
PP95-132	Martin Spring	7/21/95	<0.0005	0.16	0.0013	0.17	<0.0002	<0.002	<0.002	<0.002	0.06	<0.0002	<0.01	<0.01	0.007	0.19	<0.002	0.04	15.2	<0.002	0.21	0.003	<0.0002	<0.0002	0.01
SSite96-4	Martin Spring	3/01/96	<0.0002	0.08	0.0019	0.19	<0.001	<0.002	<0.002	0.005	0.04	0.0006	0.04	<0.01	0.009	0.10	0.003	<0.02	18.3	<0.002	0.28	0.002	<0.0002	<0.0002	0.01
SSite96-15	Martin Spring	4/10/96	<0.0002	0.16	0.0018	0.19	<0.0002	0.002	0.002	<0.002	0.01	<0.0002	0.03	<0.01	0.010	0.03	<0.002	<0.01	18.3	<0.002	0.21	0.004	0.0001	<0.0001	<0.01
PP94-74	SWSC Spring	8/12/94	<0.0005	0.09	<0.0005	0.32	0.0006	<0.002	<0.002	0.018	0.07	<0.0002	<0.01	0.06	<0.002	0.15	0.003	<0.01	5.32	<0.002	0.09	0.002	<0.0002	<0.0002	0.10
NMED	SWSC Spring	8/12/94	<0.1	0.3	0.001	0.3	<0.001	<0.001	NA	<0.01	0.2	<0.0005	NA	<0.001	<0.1	NA	<0.1	NA	1	<0.001	NA	NA	NA	<0.005	0.02
NMED	SWSC Spring	3/17/95	<0.01	0.9	<0.005	0.3	<0.005	<0.01	NA	<0.01	0.4	<0.0002	NA	<0.01	<0.01	NA	<0.02	NA	NA	<0.003	NA	NA	<0.06	<0.005	0.04
Ssite96-18	SWSC Spring	4/10/96	<0.0002	0.29	0.0016	0.27	<0.0002	<0.002	0.002	<0.002	0.10	<0.0002	<0.01	<0.01	0.003	0.04	<0.002	<0.01	4.60	<0.002	0.41	0.005	<0.0001	<0.0001	<0.01
SSite96-6	SWSC Spring	3/01/96	0.0003	0.52	0.0016	0.28	<0.001	<0.002	<0.002	0.003	0.22	<0.0002	<0.01	<0.01	0.002	0.07	0.004	0.07	4.31	<0.002	0.33	0.006	<0.0002	<0.0002	0.01

[a] NA = Not analyzed.

Addendum-Appendix I-1

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The following tables and figures represent responses in accordance with the NMED comments. Tables with revisions are indicated by the word "Revised" in the table title and shading to indicate changes from the last published version.

Table I1-1	Results of WRS Test Distribution Comparison of Inorganic COPCs at the Source Area with Maximum Concentrations Greater Than Background Levels
Table I1-2	Results of WRS Test Distribution Comparison of Inorganic COPCs at the Cañon de Valle Alluvial Area with Maximum Concentrations Greater Than Background Levels
Table I1-3	Quantile Test Results for Those Inorganic COPCs in Soil and Tuff at the Source Area with Maximum Values Greater Than Background Levels
Table I1-4	Quantile Test Results for Those Inorganic COPCs in Sediment at the Cañon de Valle Alluvial Area with Maximum Values Greater Than Background Levels
Table I1-5	Background Comparison Summary for the Source Area
Table I1-6	Background Comparison Summary for the Cañon de Valle Alluvial Area
Table I1-7	Statistical Analysis of COPCs in Soil and Tuff at the Source Area
Table I1-8	Statistical Analysis of COPCs in Sediment at the Cañon de Valle Alluvial Area
Table I1-9	Statistical Analysis of COPCs in Surface Water at the Cañon de Valle Alluvial Area
Supp. Figure 1	Box-and-whisker plot comparison for iron in soil and tuff at the source area
Supp. Figure 2	Box-and-whisker plot comparison for iron in sediment at the Cañon de Valle alluvial area

Addendum-Appendix I-1, Attachment

Table 1	Results of WRS Test Distribution Comparison Results of Inorganic COPCs for the Cañon de Valle Alluvial Area with Maximum Concentrations Greater Than Background Levels
Table 2	Results of WRS Test Distribution Comparison Results of Inorganic COPCs at the Martin Spring Canyon Alluvial Area with Maximum Concentrations Greater Than Background Levels
Table 3	WRS Test Distribution Comparison Results of Inorganic COPCs for the Martin Spring Area with Maximum Values Greater Than Background Levels (Qal)
Table 4	WRS Test Distribution Comparison Results of Inorganic COPCs for the Martin Spring Area with Maximum Values Greater Than Background Levels (Qbt4)
Table 5	Quantile Test Results Those Inorganic COPCs in Sediment for the Cañon de Valle Alluvial Area with Maximum Values Greater Than Background Levels
Table 6	Quantile Test Results for Those Inorganic COPCs in Sediment at the Martin Spring Canyon Alluvial Area with Maximum Values Greater Than Background Levels
Table 7	Quantile Test Results for Those Inorganic COPCs in Sediment for the Martin Spring Canyon with Maximum Values Greater Than Background Levels (Qal)

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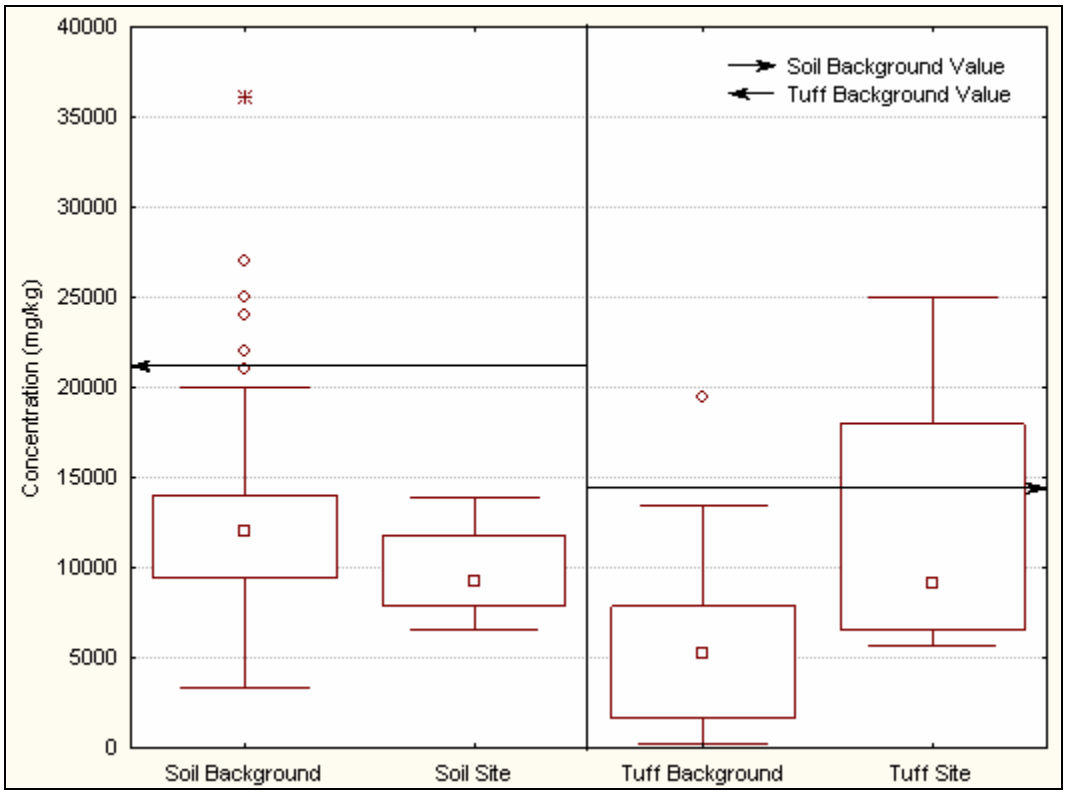
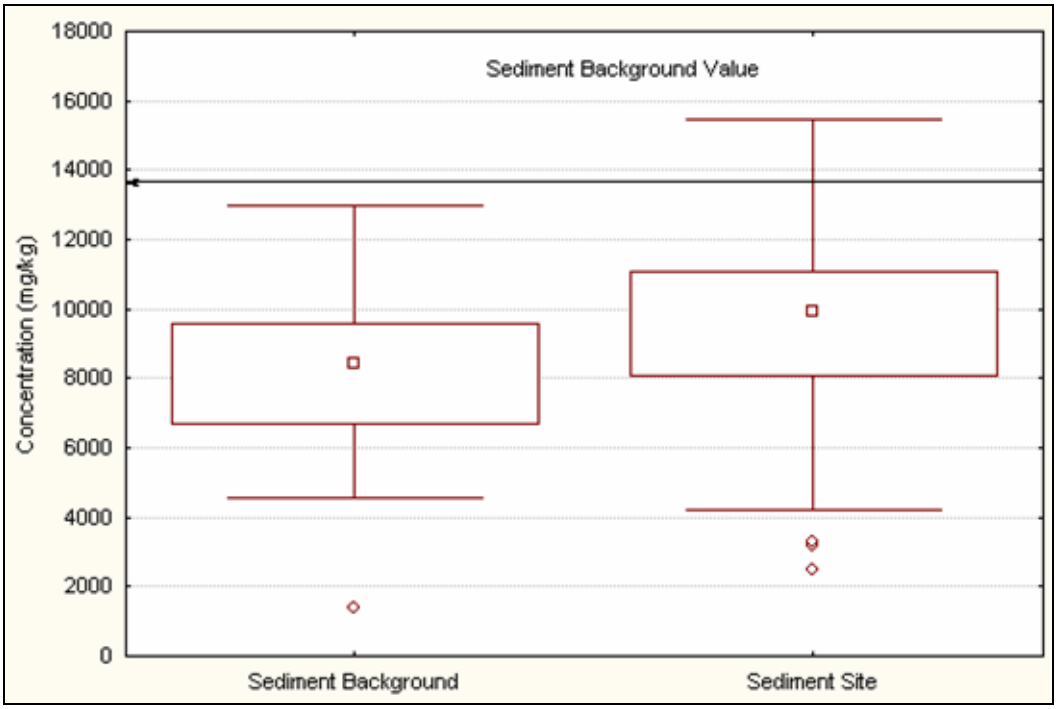
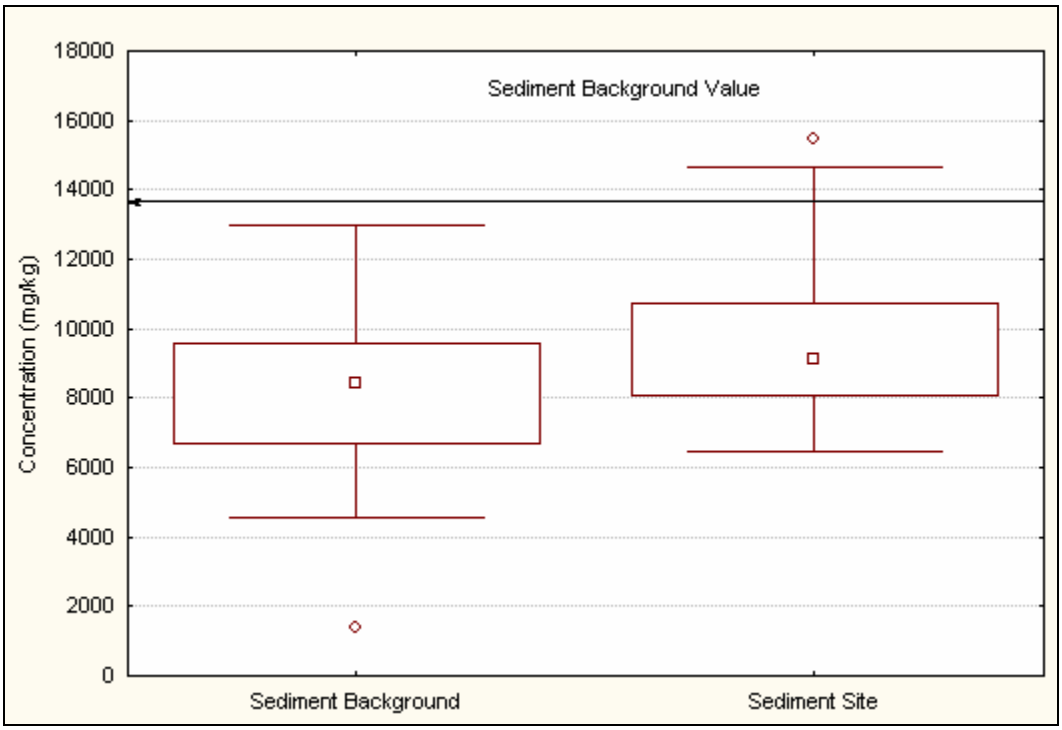
Table 8	Quantile Test Results for Those Inorganic COPCs in Sediment for the Martin Spring Area with Maximum Values Greater Than Background Levels (Qbt4)
Table 9	Background Comparison Summary for the Cañon de Valle Alluvial Area, Post-1998 Sampling
Table 10	Background Comparison Summary for the Martin Spring Canyon Alluvial Area
Table 11	Background Comparison Summary for the Martin Spring Area (Qal)
Table 12	Background Comparison Summary for the Martin Spring Area (Qbt4)
Table 13	Statistical Analysis of COPCs in Sediment at the Martin Spring Canyon Area
Table 14	Statistical Analysis of COPCs in Surface Water at the Martin Spring Canyon Area
Supp. Figure 3	Box-and-whisker plot comparison for iron in sediment at the Cañon de Valle alluvial area, post-1998 sampling
Supp. Figure 4	Box-and-whisker plot comparison for iron in sediment at the Martin Spring Canyon alluvial area



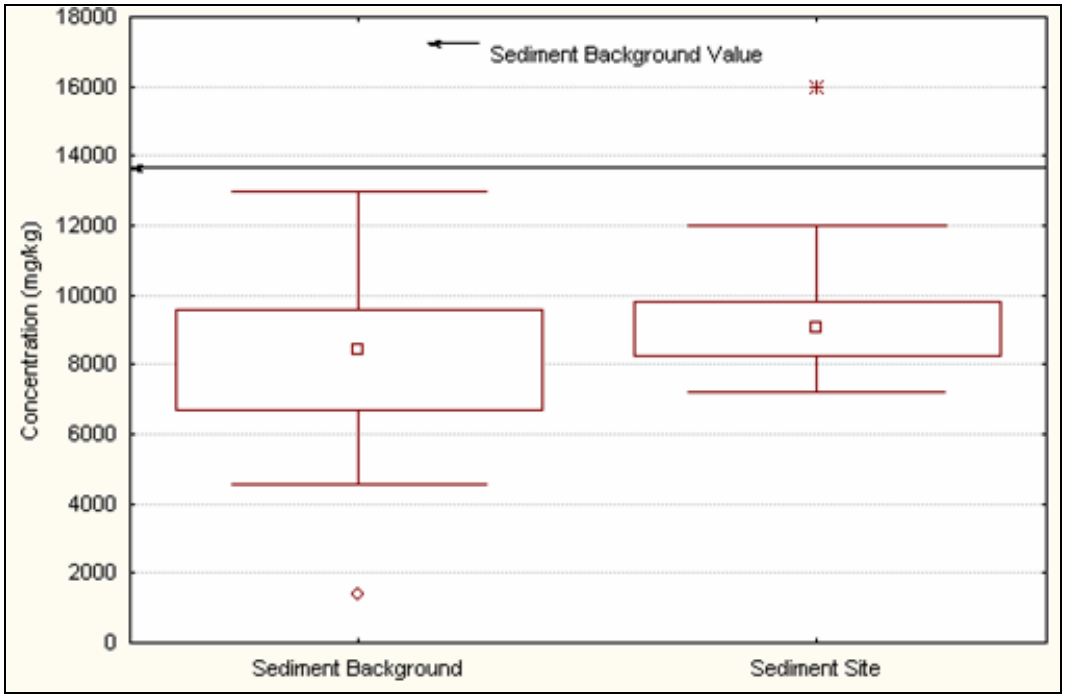
Supplemental Figure 1. Box-and-whisker plot comparison for iron in soil and tuff at the source area



Supplemental Figure 2. Box-and-whisker plot comparison for iron in sediment at the Cañon de Valle alluvial area



Supplemental Figure 3. Box-and-whisker plot comparison for iron in sediment at the Cañon de Valle alluvial area, post-1998 sampling



Supplemental Figure 4. Box-and-whisker plot comparison for iron in sediment at the Martin Spring Canyon alluvial area

Table 1 (Revised)
Results of WRS Test Distribution Comparison Results of Inorganic COPCs for the Cañon de Valle Alluvial Area with Maximum Concentrations Greater Than Background Levels

Chemical	Media	Valid *N* for Background Data Set[a]	Valid *N* for Data Set	Adjusted Z Value	Adjusted *p*-Level[b]	Pass/Fail Test[b]
Aluminum	Sediment	25	44	1.05	0.292	Pass
Antimony	Sediment	na[c]	44	na	na	na
Barium	Sediment	31	44	7.08	0.000	Fail
Cadmium	Sediment	24	44	-2.58	0.01	Fail
Chromium	Sediment	31	44	1.7	0.09	Pass
Cobalt	Sediment	31	44	5.66	0.000	Fail
Copper	Sediment	31	44	6.25	0.000	Fail
Iron	Sediment	31	44	2.15	0.032	Fail
Lead	Sediment	31	44	5.96	0.000	Fail
Manganese	Sediment	31	44	1.45	0.145	Pass
Mercury	Sediment	24	44	0.83	0.409	Pass
Nickel	Sediment	31	44	4.74	0.000	Fail
Selenium	Sediment	23	44	6.82	0.000	Fail
Silver	Sediment	18	44	6.15	0.000	Fail
Thallium	Sediment	na	44	na	na	na
Vanadium	Sediment	31	44	4.25	0.000	Fail
Zinc	Sediment	31	44	2.34	0.019	Fail

[a] N = Number of samples.
[b] p-level ≥ 0.05 = Pass, indicating the distributions are not statistically different at the 95% confidence level.
[c] na = Not available.

Table 2 (Revised)
Results of WRS Test Distribution Comparison Results of Inorganic COPCs at the Martin Spring Canyon Alluvial Area with Maximum Concentrations Greater Than Background Levels

Chemical	Media	Valid *N* for Background Data Set[a]	Valid *N* for Data Set	Adjusted Z Value	Adjusted *p*-Level[b]	Pass/Fail Test[b]
Aluminum	Sediment	25	20	4.75	0.000	Fail
Arsenic	Sediment	31	20	5.6	0.000	Fail
Barium	Sediment	31	20	5.17	0.000	Fail
Cadmium	Sediment	24	20	-0.64	0.520	Pass
Chromium	Sediment	31	20	3.32	0.001	Fail
Cobalt	Sediment	31	20	3.36	0.001	Fail
Copper	Sediment	31	20	4.33	0.000	Fail
Iron	Sediment	31	20	1.67	0.095	Pass
Lead	Sediment	31	20	4.64	0.000	Fail
Manganese	Sediment	31	3	0.52	0.606	Pass
Mercury	Sediment	24	20	6.11	0.000	Fail
Selenium	Sediment	23	23	6.09	0.000	Fail
Silver	Sediment	18	20	5.48	0.000	Fail
Vanadium	Sediment	31	20	3.14	0.002	Fail
Zinc	Sediment	31	20	0.27	0.787	Pass

[a] N = Number of samples.
[b] p-level ≥ 0.05 = Pass, indicating the distributions are not statistically different at the 95% confidence level.

Table 3 (Revised)
WRS Test Distribution Comparison Results of Inorganic COPCs for the Martin Spring Area with Maximum Values Greater Than Background Levels

Chemical	Media	Valid *N* for Background Data Set[a]	Valid *N* for Data Set	Adjusted Z Value	Adjusted *p*-Level[b]	Pass/Fail Test[b]
Aluminum	Qal	25	3	1.52	0.128	Pass
Arsenic	Qal	31	3	1.8	0.073	Pass
Barium	Qal	31	3	1.58	0.114	Pass
Boron	Qal	na[c]	3	na	na	na
Iron	Qal	31	3	1.49	0.137	Pass
Selenium	Qal	23	3	-1.66	0.096	Pass
Silver	Qal	18	3	3.63	0	Fail

[a] N = Number of samples.
[b] p-level ≥ 0.05 = Pass, indicating the distributions are not statistically different at the 95% confidence level.
[c] na = Not available.

Table 4
WRS Test Distribution Comparison Results of Inorganic COPCs for the Martin Spring Area with Maximum Values Greater Than Background Levels

Chemical	Media	Valid N for Background Data Set[a]	Valid N for Data Set	Adjusted Z Value	Adjusted p-Level[b]	Pass/Fail Test[b]
Antimony	Qbt4	64	3	3.09	0.002	Fail
Boron	Qbt4	na[c]	3	na	na	na
Chromium	Qbt4	64	3	1.59	0.111	Pass
Mercury	Qbt4	na	3	na	na	na
Silver	Qbt4	64	3	3.69	0	Fail

[a] N = Number of samples.
[b] p-level ≥ 0.05 = Pass, indicating the distributions are not statistically different at the 95% confidence level.
[c] na = Not available.

Table 5 (Revised)
Quantile Test Results Those Inorganic COPCs in Sediment for the Cañon de Valle Alluvial Area with Maximum Values Greater Than Background Levels

Analyte	Media	Valid *N* for Background Data Set[a]	Valid *N* for Data Set	Table k[b]	Observed k	Pass/Fail Test[c]
Aluminum	Sediment	25	44	10	5	Pass
Antimony	Sediment	na[d]	44	na	na	na
Barium	Sediment	31	44	6	43	Fail
Cadmium	Sediment	24	44	10	11	Fail
Chromium	Sediment	31	44	6	7	Fail
Cobalt	Sediment	31	44	6	28	Fail
Copper	Sediment	31	44	6	31	Fail
Iron	Sediment	31	44	6	2	Pass
Lead	Sediment	31	44	6	28	Fail
Manganese	Sediment	31	44	6	5	Pass
Mercury	Sediment	24	44	10	16	Fail
Nickel	Sediment	31	44	6	22	Fail
Selenium	Sediment	23	44	10	44	Fail
Silver	Sediment	18	44	8	41	Fail
Thallium	Sediment	na	44	na	na	na
Vanadium	Sediment	31	44	6	7	Fail
Zinc	Sediment	31	44	6	8	Fail

[a] N = Number of samples.
[b] EPA 1994, 73793; k = exceedance of site data.
[c] Pass = Quantile test determined the background and site data set distribution upper tails are not different.
[d] na = Not available.

Table 6 (Revised)
Quantile Test Results for Those Inorganic COPCs in Sediment at the Martin Spring Canyon Alluvial Area with Maximum Values Greater Than Background Levels

Chemical	Media	Valid *N* for Background Data Set[a]	Valid *N* for Data Set	Table k[b]	Observed k	Pass/Fail Test[c]
Aluminum	Sediment	25	20	5	3	Pass
Arsenic	Sediment	31	20	3	11	Fail
Barium	Sediment	31	20	3	10	Fail
Cadmium	Sediment	24	20	5	7	Fail
Chromium	Sediment	31	20	3	7	Fail
Cobalt	Sediment	31	20	3	3	Fail
Copper	Sediment	31	20	3	7	Fail
Iron	Sediment	31	20	3	1	Pass
Lead	Sediment	31	20	3	8	Fail
Manganese	Sediment	31	3	2	1	Pass
Mercury	Sediment	24	20	5	20	Fail
Selenium	Sediment	23	23	4	20	Fail
Silver	Sediment	18	20	4	20	Fail
Vanadium	Sediment	31	20	3	3	Fail
Zinc	Sediment	31	20	3	7	Pass

[a] N = Number of samples.
[b] EPA 1994, 73793; k = exceedance of site data.
[c] Pass = Quantile test determined the background and site data set distribution upper tails are not different.

Table 7 (Revised)
Quantile Test Results for Those Inorganic COPCs in Sediment for the Martin Spring Canyon with Maximum Values Greater Than Background Levels

Chemical	Media	Valid *N* for Background Data Set[a]	Valid *N* for Data Set	Table k[b]	Observed k	Pass/Fail Test[c]
Aluminum	Qal	25	3	3	1	Pass
Arsenic	Qal	31	3	2	1	Pass
Barium	Qal	31	3	2	1	Pass
Boron	Qal	na[d]	3	na	na	na
Iron	Qal	31	3	2	1	Pass
Selenium	Qal	23	3	3	1	Pass
Silver	Qal	18	3	3	3	Fail

[a] N = Number of samples.
[b] EPA 1994, 73793; k = exceedance of site data.
[c] Pass = Quantile test determined the background and site data set distribution upper tails are not different.
[d] na = Not available.

Table 8
Quantile Test Results for Those Inorganic COPCs in Sediment for the Martin Spring Area with Maximum Values Greater Than Background Levels

Chemical	Media	Valid *N* for Background Data Set[a]	Valid *N* for Data Set	Table k[b]	Observed k	Pass/Fail Test[c]
Antimony	Qbt4	64	3	0	3	Fail
Boron	Qbt4	na[d]	3	na	na	na
Chromium	Qbt4	64	3	0	1	Fail
Mercury	Qbt4	na	3	na	na	na
Silver	Qbt4	64	3	0	3	Fail

[a] N = Number of samples.
[b] EPA 1994, 73793; k = exceedance of site data.
[c] Pass = Quantile test determined the background and site data set distribution upper tails are not different.
[d] na = Not available.

Table 9 (Revised)
Background Comparison Summary for the Cañon de Valle Alluvial Area, Post-1998 Sampling

Chemical	Media	Above/Below Background	WRS Pass/Fail	Quantile Pass/Fail	COPC
Aluminum	Sediment	Above	Pass	Pass	No
Antimony	Sediment	na[a]	na	na	Yes
Arsenic	Sediment	Below	—[b]	—	No
Barium	Sediment	Above	Fail	Fail	Yes
Beryllium	Sediment	Below	—	—	No
Cadmium	Sediment	Above	Fail[c]	Fail	Yes
Chromium	Sediment	Above	Pass	Fail	Yes
Cobalt	Sediment	Above	Fail	Fail	Yes
Copper	Sediment	Above	Fail	Fail	Yes
Iron	Sediment	Above	Fail	Pass	Yes
Lead	Sediment	Above	Fail	Fail	Yes
Manganese	Sediment	Above	Pass	Pass	No
Mercury	Sediment	Above	Pass	Fail	Yes
Nickel	Sediment	Above	Fail	Fail	Yes
Selenium	Sediment	Above	Fail	Fail	Yes
Silver	Sediment	Above	Fail	Fail	Yes
Thallium	Sediment	na	na	na	Yes
Vanadium	Sediment	Above	Fail	Fail	Yes
Zinc	Sediment	Above	Fail	Fail	Yes

[a] na = Not available.
[b] — = Analyte was not evaluated for this test.
[c] WRS failed due to the fact that the site median was statistically less than the background median.

Table 10
Background Comparison Summary for the Martin Spring Canyon Alluvial Area

Chemical	Media	Above/Below Background	WRS Pass/Fail	Quantile Pass/Fail	COPC
Aluminum	Sediment	Above	Fail	Pass	Yes
Arsenic	Sediment	Above	Fail	Fail	Yes
Barium	Sediment	Above	Fail	Fail	Yes
Beryllium	Sediment	Below	—[a]	—	No
Cadmium	Sediment	Above	Pass	Fail	Yes
Chromium	Sediment	Above	Fail	Fail	Yes
Cobalt	Sediment	Above	Fail	Fail	Yes
Copper	Sediment	Above	Fail	Fail	Yes
Iron	Sediment	Above	Pass	Pass	No
Lead	Sediment	Above	Fail	Fail	Yes
Manganese	Sediment	Above	Pass	Pass	No
Mercury	Sediment	Above	Fail	Fail	Yes
Nickel	Sediment	Below	—	—	No
Selenium	Sediment	Above	Fail	Fail	Yes
Silver	Sediment	Above	Fail	Fail	Yes
Thallium	Sediment	Below	—	—	No
Uranium	Sediment	Below	—	—	No
Vanadium	Sediment	Above	Fail	Fail	Yes
Zinc	Sediment	Above	Pass	Pass	No

[a] — = Test was not performed because analyte was below background values.

Table 11 (Revised)
Background Comparison Summary for the Martin Spring Area (Qal)

Chemical	Media	Above/Below Background	WRS Pass/Fail	Quantile Pass/Fail	COPC
Aluminum	Qal	Above	Pass	Pass	No
Antimony	Qal	Below	—[a]	—	No
Arsenic	Qal	Above	Pass	Pass	No
Barium	Qal	Above	Pass	Pass	No
Beryllium	Qal	Below	—	—	No
Boron	Qal	na[b]	na	na	Yes
Cadmium	Qal	Below	—	—	No
Chromium	Qal	Below	—	—	No
Cobalt	Qal	Below	—	—	No
Copper	Qal	Below	—	—	No
Iron	Qal	Above	Pass	Pass	No
Lead	Qal	Below	—	—	No
Manganese	Qal	Below	—	—	No
Mercury	Qal	Below	—	—	No
Nickel	Qal	Below	—	—	No
Selenium	Qal	Above	Pass	Pass	No
Silver	Qal	Above	Fail	Fail	Yes
Thallium	Qal	Below	—	—	No
Uranium	Qal	Below	—	—	No
Vanadium	Qal	Below	—	—	No
Zinc	Qal	Below	—	—	No

[a] — = Test was not performed because analyte was below background values.
[b] na = Not available.

Table 12 (Revised)
Background Comparison Summary for the Martin Spring Area (Qbt4)

Chemical	Media	Above/Below Background	WRS Pass/Fail	Quantile Pass/Fail	COPC
Aluminum	Qbt4	Below	—[a]	—	No
Antimony	Qbt4	Above	Fail	Fail	Yes
Arsenic	Qbt4	Below	—	—	No
Barium	Qbt4	Below	—	—	No
Beryllium	Qbt4	Below	—	—	No
Boron	Qbt4	na[b]	na	na	Yes
Cadmium	Qbt4	Below	—	—	No
Chromium	Qbt4	Above	Pass	Fail	Yes
Cobalt	Qbt4	Below	—	—	No
Copper	Qbt4	Below	—	—	No
Iron	Qbt4	Below	—	—	No
Lead	Qbt4	Below	—	—	No
Manganese	Qbt4	Below	—	—	No
Mercury	Qbt4	na	na	na	Yes
Nickel	Qbt4	Below	—	—	No
Selenium	Qbt4	Below	—	—	No
Silver	Qbt4	Above	Fail	Fail	Yes
Thallium	Qbt4	Below	—	—	No
Uranium	Qbt4	Below	—	—	No
Vanadium	Qbt4	Below	—	—	No
Zinc	Qbt4	Below	—	—	No

[a] — = Test was not performed because analyte was below background values.
[b] na = Not available.

Table 13 (Revised)
Statistical Analysis of COPCs in Sediment at the Martin Spring Canyon Area

Chemical	Number of Analyses	Distribution Type	Minimum Concentration (mg/kg)	Maximum Concentration (mg/kg)	Mean Concentration (mg/kg)	Standard Deviation (mg/kg)	95% UCL (mg/kg)[a]
Aluminum	21	Nonparametric	8,500	17,000	10,938	2,166	12,998
Arsenic	21	Nonparametric	2.60	10.0	4.76	2.36	7.00
Barium	21	Nonparametric	86.0	1,700	416	457	851
Chromium	21	Nonparametric	5.20	30.0	10.5	6.94	17.1
Lead	21	Nonparametric	11.0	120	39.2	36.5	73.9
Manganese	4	Lognormal	130	870	415	318	645[b]
Mercury	21	Nonparametric	0.04	2.30	0.55	0.72	1.23
Uranium	6	Lognormal	0.81	1.79	1.27	0.35	1.69
Benzo(a)pyrene	6	Lognormal	0.02	0.39	0.11	0.14	0.30

[a] 95% UCL = 95% upper confidence limit of the mean concentration.

[b] Standard bootstrapping procedure used to calculate UCL, lognormal and Chebyshev calculation of UCL yielded a UCL larger than the maximum value shown.

Table 14 (Revised)
Statistical Analysis of COPCs in Surface Water at the Martin Spring Canyon Area

Chemical	Number of Analyses	Distribution Type	Minimum Concentration (µg/L)	Maximum Concentration (µg/L)	Mean Concentration (µg/L)	Standard Deviation (µg/L)	95% UCL (µg/L)[a]
Arsenic	49	Nonparametric	0.22	75.1	3.58	10.6	10.2
Barium	49	Nonparametric	125	8,560	390	1,194	1133
Cesium[b]	1	na[c]	250	250	250	na	na
Iron	49	Lognormal	2.30	98,800	3316	14,055	10,661
Lead	49	Lognormal	0.09	46.1	2.82	7.10	3.69
Manganese	49	Nonparametric	0.48	66,800	1,444	9,535	7,381
Rubidium[b]	1	na	600	600	600	na	na
Thallium	49	Nonparametric	0.02	22.5	1.60	3.29	3.65
Uranium	23	Nonparametric	0.12	63.0	10.8	17.8	27.0
Vanadium	49	Nonparametric	1.70	111	8.77	15.7	18.6
Dinitrobenzene[1,3-]	47	Nonparametric	0.02	10.0	0.84	1.65	1.89
Nitrate-Nitrite as N	42	Nonparametric	25.0	3,800,000	162,389	728,228	652,190
Nitrobenzene	50	Nonparametric	0.03	100	8.05	21.0	21.0
Perchlorate	34	Nonparametric	2.00	479	17.0	81.7	78.1
RDX	47	Nonparametric	0.42	330	125	72.1	171
Tetrachloroethene	18	Nonparametric	0.41	2.50	1.84	0.97	2.20[d]
Trichloroethene	18	Nonparametric	0.50	2.50	1.79	0.92	2.13[d]
TNT	46	Nonparametric	0.02	10.0	0.97	1.79	2.12

Table 14 (Revised) (concluded)

[a]95% UCL = 95% upper confidence limit of the mean concentration.
[b]The 95% UCL could not be calculated because there were too few samples; therefore, the maximum value was used in its place.
[c]na = Not applicable; there were too few samples to calculate the standard deviation and to determine the distribution type.
[d]Standard bootstrapping procedure used to calculate UCL, Chebyshev calculation of UCL yielded a UCL larger than the maximum value shown.
RDX = Cyclotrimethylenetrinitramine.
TNT = Trinitrotoluene[2,4,6-].

Table I1-1 (Revised)
Results of WRS Test Distribution Comparison of Inorganic COPCs at the Source Area with Maximum Concentrations Greater Than Background Levels

Chemical	Media	Valid *N* for Background Data Set[a]	Valid *N* for Site Data Set	Adjusted Z Value	Adjusted *p*-Level[b]	Pass/Fail Test[b]
Aluminum	Tuff	63	4	-2.978	0.003	Fail
Arsenic	Soil	150	16	1.484	0.14	Pass
Arsenic	Tuff	64	4	-3.258	0.001	Fail
Barium	Soil	173	16	-6.275	0.000	Fail
	Tuff	63	4	-3.337	0.001	Fail
Beryllium	Tuff	64	4	1.499	0.134	Pass
Chromium	Tuff	64	4	2.31	0.021	Fail
Cobalt	Tuff	11	4	1.828	0.068	Pass
Copper	Tuff	64	4	3.056	0.002	Fail
Iron	Soil	174	16	-2.675	0.007	Fail
	Tuff	64	4	1.825	0.068	Pass
Lead	Tuff	63	4	1.628	0.104	Pass
Manganese	Soil	173	16	-1.438	0.15	Pass
	Tuff	64	4	-1.186	0.24	Pass
Nickel	Tuff	63	4	3.141	0.002	Fail
Selenium	Tuff	15	4	3.639	0.000	Fail
Silver	Soil	na[c]	16	na	na	na
Thallium	Soil	173	16	3.411	0.001	Fail
Uranium	Soil	162	16	0.282	0.778	Pass
Vanadium	Tuff	64	4	2.191	0.028	Fail
Zinc	Soil	172	16	-1.586	0.113	Pass
	Tuff	64	4	-0.156	0.876	Pass

[a] N = number of samples.
[b] p-level ≥ 0.05 = pass, indicating that the distributions are not statistically different at the 95% confidence level.
[c] na = not available.

Table I1-2 (Revised)
Results of WRS Test Distribution Comparison of Inorganic COPCs at the Cañon de Valle Alluvial Area with Maximum Concentrations Greater Than Background Levels

Chemical	Media	Valid *N* for Background Data Set[a]	Valid *N* for Data Set	Adjusted Z Value	Adjusted *p*-Level[b]	Pass/Fail Test[b]
Aluminum	Sediment	25	89	0.31	0.761	Pass
Antimony	Sediment	na[c]	89	na	na	na
Arsenic	Sediment	31	88	3.24	0.001	Fail
Barium	Sediment	31	89	7.8	0.000	Fail
Cadmium	Sediment	24	89	-1.65	0.099	Pass
Chromium	Sediment	31	89	0.53	0.596	Pass
Cobalt	Sediment	31	88	5.28	0.000	Fail
Copper	Sediment	31	88	5.89	0.000	Fail
Iron	Sediment	31	89	1.526	0.127	Pass
Lead	Sediment	31	89	5.59	0.000	Fail
Manganese	Sediment	31	88	0.854	0.393	Pass
Mercury	Sediment	24	89	3.91	0.000	Fail
Nickel	Sediment	31	89	3.98	0.000	Fail
Selenium	Sediment	23	89	7.41	0.000	Fail
Silver	Sediment	18	89	6.62	0.000	Fail
Thallium	Sediment	na	89	na	na	na
Uranium	Sediment	31	21	5.68	0.000	Fail
Vanadium	Sediment	31	89	3.39	0.001	Fail
Zinc	Sediment	31	89	1.33	0.184	Pass

[a] *N* = number of samples.
[b] *p*-level ≥ 0.05 = pass, indicating that the distributions are not statistically different at the 95% confidence level.
[c] na = not available.

Table I1-3 (Revised)
Quantile Test Results for Those Inorganic COPCs in Soil and Tuff at the Source Area with Maximum Values Greater Than Background Levels

Chemical	Media	Valid *N* for Background Data Set[a]	Valid *N* for Site Data Set	Table *k*[b,c]	Observed *k*	Pass/Fail Test[d]
Aluminum	Tuff	63	4	0	2	Fail
Arsenic	Soil	150	16	1	1	Fail
	Tuff	64	4	0	4	Fail
Barium	Soil	173	16	1	15	Fail
	Tuff	63	4	0	4	Fail
Beryllium	Tuff	64	4	0	1	Fail
Chromium	Tuff	64	4	0	1	Fail
Cobalt	Tuff	11	4	1	1	Fail
Copper	Tuff	64	4	0	1	Fail
Iron	Soil	174	16	1	0	Pass
	Tuff	64	4	0	1	Fail
Lead	Tuff	63	4	0	1	Fail
Manganese	Soil	173	16	1	1	Fail
	Tuff	64	4	0	1	Fail
Nickel	Tuff	63	4	0	1	Fail
Selenium	Tuff	15	4	0	4	Fail
Silver	Soil	na[e]	16	1	na	na
Thallium	Soil	173	16	1	0	Pass
Uranium	Soil	162	16	1	0	Pass
Vanadium	Tuff	64	4	0	0	Pass
Zinc	Soil	172	16	1	0	Pass
	Tuff	64	4	0	1	Fail

[a] N = number of samples.
[b] EPA 1994, 73793.
[c] k = exceedance of site data.
[d] A chemical passed the quantile test because it was determined that the background and site data sets have upper tail distributions that are not different.
[e] na = Not available.

Table I1-4 (Revised)
Quantile Test Results for Those Inorganic COPCs in Sediment at the Cañon de Valle Alluvial Area with Maximum Values Greater Than Background Levels

Chemical	Media	Valid *N* for Background Data Set[a]	Valid *N* for Data Set	Table *k*[b,c]	Observed *k*	Pass/Fail Test[d]
Aluminum	Sediment	25	89	11	5	Pass
Antimony	Sediment	na[e]	89	na	na	na
Arsenic	Sediment	31	88	10	14	Fail
Barium	Sediment	31	89	10	85	Fail
Cadmium	Sediment	24	89	11	30	Fail
Chromium	Sediment	31	89	10	10	Fail
Cobalt	Sediment	31	88	10	52	Fail
Copper	Sediment	31	88	10	48	Fail
Iron	Sediment	31	89	10	4	Pass
Lead	Sediment	31	89	10	40	Fail
Manganese	Sediment	31	88	10	11	Fail
Mercury	Sediment	24	89	11	59	Fail
Nickel	Sediment	31	89	10	40	Fail
Selenium	Sediment	23	89	11	89	Fail
Silver	Sediment	18	89	14	81	Fail
Thallium	Sediment	na	89	na	na	na
Uranium	Sediment	31	21	3	10	Fail
Vanadium	Sediment	31	89	10	11	Fail
Zinc	Sediment	31	89	10	13	Fail

[a] N = number of samples.
[b] EPA 1994, 73793.
[c] k = exceedance of site data.
[d] An analyte passed the quantile test determined the background and site data set distribution upper tails are not different.
[e] na = Not available.

Table I1-5 (Revised)
Background Comparison Summary for the Source Area

Chemical	Media	Above/Below BV	WRS Pass/Fail	Quantile Pass/Fail	COPC
Aluminum	Soil	Below	—[a]	—	Yes
	Tuff	Above	Fail	Fail	
Antimony	Soil	Below	—	—	No
	Tuff	Below	—	—	
Arsenic	Soil	Above	Pass	Fail	Yes
	Tuff	Above	Fail	Fail	
Barium	Soil	Above	Fail	Fail	Yes
	Tuff	Above	Fail	Fail	
Beryllium	Soil	Below	—	—	Yes
	Tuff	Above	Pass	Fail	
Cadmium	Soil	Below	—	—	No
	Tuff	Below	—	—	
Chromium	Soil	Below	—	—	Yes
	Tuff	Above	Fail	Fail	
Cobalt	Soil	Below	—	—	Yes
	Tuff	Above	Pass	Fail	
Copper	Soil	Below	—	—	Yes
	Tuff	Above	Fail	Fail	
Iron	Soil	Above	Fail	Pass	Yes
	Tuff	Above	Pass	Fail	
Lead	Soil	Below	—	—	Yes
	Tuff	Above	Pass	Fail	
Manganese	Soil	Above	Pass	Fail	Yes
	Tuff	Above	Pass	Fail	
Mercury	Soil	Below	—	—	No
	Tuff	Below	—	—	
Nickel	Soil	Below	—	—	Yes
	Tuff	Above	Fail	Fail	

Table I1-5 (Revised) (concluded)

Chemical	Media	Above/Below BV	WRS Pass/Fail	Quantile Pass/Fail	COPC
Selenium	Soil	Below	—	—	Yes
	Tuff	Above	Fail	Fail	
Silver	Soil	Above	Not Available	Not Available	Yes
	Tuff	Below	—	—	
Thallium	Soil	Above	Fail	Pass	Yes
	Tuff	Below	—	—	
Uranium	Soil	Above	Pass	Pass	No
	Tuff	Below	—	—	
Vanadium	Soil	Below	—	—	Yes
	Tuff	Above	Fail	Pass	
Zinc	Soil	Above	Pass	Pass	Yes
	Tuff	Above	Pass	Fail	

[a] — = Analyte was not evaluated for this test.

Table I1-6 (Revised)
Background Comparison Summary for the Cañon de Valle Alluvial Area

Chemical	Media	Above/Below BV	WRS Pass/Fail	Quantile Pass/Fail	COPC
Aluminum	Sediment	Above	Pass	Pass	No
Antimony	Sediment	na[a]	na	na	Yes
Arsenic	Sediment	Above	Fail	Fail	Yes
Barium	Sediment	Above	Fail	Fail	Yes
Beryllium	Sediment	Below	—[b]	—	No
Cadmium	Sediment	Above	Pass	Fail	Yes
Chromium	Sediment	Above	Pass	Fail	Yes
Cobalt	Sediment	Above	Fail	Fail	Yes
Copper	Sediment	Above	Fail	Fail	Yes
Iron	Sediment	Above	Pass	Pass	No
Lead	Sediment	Above	Fail	Fail	Yes
Manganese	Sediment	Above	Pass	Fail	Yes
Mercury	Sediment	Above	Fail	Fail	Yes
Nickel	Sediment	Above	Fail	Fail	Yes
Selenium	Sediment	Above	Fail	Fail	Yes
Silver	Sediment	Above	Fail	Fail	Yes
Thallium	Sediment	na	na	na	Yes
Uranium	Sediment	Above	Fail	Fail	Yes
Vanadium	Sediment	Above	Fail	Fail	Yes
Zinc	Sediment	Above	Pass	Fail	Yes

[a] na = Not available.
[b] — = Test was not performed because analyte was determined to be below background concentrations.

Table I1-7 (Revised)
Statistical Analysis of COPCs in Soil and Tuff at the Source Area

Chemical	Number of Analyses	Distribution Type	Minimum Concentration (mg/kg)	Maximum Concentration (mg/kg)	Mean Concentration (mg/kg)	Standard Deviation (mg/kg)	95% UCL (mg/kg)
Aluminum	20	Nonparametric	3,400	52,000	9,772	11,030	20,522
Arsenic	20	Nonparametric	1.90	9.30	3.55	1.98	5.48
Barium	20	Lognormal	148	8,200	2,960	2,607	6,864
Iron	20	Lognormal	5,700	25,000	10,285	4,178	11,817
Manganese	20	Lognormal	160	1,200	424	256	549
Thallium	20	Nonparametric	0.09	0.58	0.22	0.11	0.32
Uranium	20	Lognormal	0.31	3.12	1.11	0.76	1.61
HMX[a]	20	Lognormal	1.10	2,000	428	596	1009[b]
RDX[c]	20	Lognormal	0.50	1,200	157	301	451[b]
TNT[d]	20	Lognormal	0.13	330	43.6	91.8	133[b]

[a] HMX = Cyclotetramethylenetetranitramine.
[b] Chebyshev procedure was used to calculate UCL, Lognormal calculations of UCL yielded a UCL larger than the maximum value shown.
[c] RDX = Cyclotrimethylenetrinitramine.
[d] TNT = Trinitrotoluene [2,4,6-].

Table I1-8 (Revised)
Statistical Analysis of COPCs in Sediment at the Cañon de Valle Alluvial Area

Chemical	Number of Analyses	Distribution Type	Minimum Concentration (mg/kg)	Maximum Concentration (mg/kg)	Mean Concentration (mg/kg)	Standard Deviation (mg/kg)	95% UCL (mg/kg)
Antimony	89	Nonparametric	0.03	11.0	1.29	2.24	2.33
Arsenic	88	Normal	0.75	4.20	2.19	0.72	2.32
Barium	89	Nonparametric	6.30	40,300	5,183	7,739	8,758
Chromium	89	Nonparametric	1.10	33.1	6.51	4.89	8.77
Lead	89	Lognormal	3.80	163	29.1	25.0	35.0
Manganese	88	Nonparametric	75.2	1,600	354	243	467
Silver	89	Lognormal	0.08	167	7.85	24.0	10.6
Thallium	89	Nonparametric	0.02	3.60	0.51	0.52	0.75
Uranium	21	Lognormal	1.05	3.91	2.07	0.71	2.41
Benzo(a)pyrene	43	Nonparametric	0.02	0.70	0.32	0.18	0.45
Dinitrobenzene [1,3-]	89	Nonparametric	0.04	2.50	0.14	0.27	0.26
Hexachlorobenzene	42	Nonparametric	0.08	0.70	0.35	0.14	0.44
Indeno(1,2,3-cd)pyrene	42	Nonparametric	0.02	0.70	0.32	0.18	0.44
Nitrobenzene	122	Nonparametric	0.04	2.60	0.21	0.27	0.32
RDX[a]	89	Nonparametric	0.04	42.0	1.26	4.59	3.38
TNT[b]	89	Nonparametric	0.04	2.50	0.20	0.30	0.34

[a] RDX = Cyclotrimethylenetrinitramine.
[b] TNT = Trinitrotoluene[2,4,6-].

Table I1-9 (Revised)
Statistical Analysis of COPCs in Surface Water at the Cañon de Valle Alluvial Area

Chemical	Number of Analyses	Distribution Type	Minimum Concentration (µg/L)	Maximum Concentration (µg/L)	Mean Concentration (µg/L)	Standard Deviation (µg/L)	95% UCL (µg/L)
Arsenic	178	Nonparametric	0.07	27.0	1.90	3.44	3.03
Barium	176	Nonparametric	62.3	16,300	2,065	2,427	2,862
Cesium[a]	3	na[b]	250	700	400	na	na
Iron	179	Lognormal	2.30	12,500	1172	1955	1659
Lead	179	Nonparametric	0.03	24.1	2.33	4.50	3.79
Manganese	179	Lognormal	0.11	2,200	106	274	174
Rubidium[a]	3	na	250	600	367	na	na
Silver	178	Nonparametric	0.03	61.6	2.52	6.10	4.51
Thallium	179	Nonparametric	0.005	7.40	1.26	1.00	1.59
Uranium	80	Nonparametric	0.06	63.0	6.69	16.4	14.2
Amino-2,6-dinitrotoluene[4-]	141	Nonparametric	0.04	53.2	3.92	7.89	6.82
Amino-4,6-dinitrotoluene[2-]	142	Nonparametric	0.04	43.2	3.51	7.01	6.08
Bis(2-ethylhexyl) phthalate	59	Nonparametric	0.50	13.0	4.73	1.54	5.60
Bromomethane	92	Nonparametric	0.13	5.00	4.35	1.53	4.61[c]
Chloromethane	92	Nonparametric	0.28	30.0	4.69	3.18	6.13
Dichloroethane[1,2-]	92	Nonparametric	0.17	7.00	2.33	1.07	2.82
Dinitro-2-methylphenol[4,6-]	59	Nonparametric	5.00	50.0	24.6	6.75	28.5
Dinitrobenzene[1,3-]	152	Nonparametric	0.01	10.0	0.70	1.96	1.40
Dinitrotoluene[2,6-]	205	Nonparametric	0.02	23.5	1.96	3.43	3.01
DNX[d]	19	Nonparametric	0.10	1.30	0.32	0.25	0.57
Methylene chloride	92	Nonparametric	0.19	19.0	2.60	2.05	3.53
MNX[e]	19	Nonparametric	0.18	0.97	0.29	0.17	0.47
Naphthalene	105	Nonparametric	0.70	9.00	3.96	1.42	4.57
Nitrate-Nitrite as N	98	Nonparametric	10.0	3,380,000	35,592	341,348	185,892

Table I1-9 (Revised) (concluded)

Chemical	Number of Analyses	Distribution Type	Minimum Concentration (µg/L)	Maximum Concentration (µg/L)	Mean Concentration (µg/L)	Standard Deviation (µg/L)	95% UCL (µg/L)
Nitrobenzene	205	Nonparametric	0.03	50.0	2.95	5.01	4.48
Nitrotoluene[4-]	151	Nonparametric	0.05	50.0	2.93	6.52	5.24
Perchlorate	85	Nonparametric	2.00	17.1	3.26	3.27	4.81
RDX[f]	174	Nonparametric	0.27	818	82.4	135	127
Tetrachloroethene	98	Nonparametric	0.10	3.90	2.24	0.64	2.52
Trichloroethene	98	Nonparametric	0.50	3.70	2.26	0.61	2.53
TNT[g]	165	Nonparametric	0.02	17.5	1.19	3.36	2.33
Americium-241[h]	27 (12)	Lognormal	-7.75	7.30	3.34[i]	2.22[i]	4.32[c,i]
Ruthenium-106[h]	27 (12)	Lognormal	-20.2	33.0	8.54[i]	8.97[i]	20.4[i]

[a] The 95% UCL could not be calculated because there were too few samples; therefore, the maximum value was used in its place.
[b] na = Not applicable, there were too few samples to calculate the standard deviation and to determine the distribution type.
[c] Standard bootstrapping procedure used to calculate UCL, Chebyshev calculation of UCL yielded a UCL larger than the maximum value shown.
[d] DNX = dinitrosodimethylamine.
[e] MNX = mononitrosodimethylamine.
[f] RDX = cyclotrimethylenetrinitramine.
[g] TNT = trinitrotoluene[2,4,6-].
[h] Concentrations for this analyte are in pCi/L.
[i] Statistical analysis calculation based on positive activities only.
(12) = the number of samples used to calculate the statistics shown.

Addendum-Appendix K

Supplemental Table K-1a
ILCR to Trail User from Potential Exposure to Sediment and Surface Water
SWMU 16-021(c)-99 Martin Spring Canyon, Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical	Sediment Ingestion Cancer Risk (ILCR)		Sediment Dermal Cancer Risk (ILCR)		Sediment Inhalation Cancer Risk (ILCR)		Surface Water Ingestion Cancer Risk (ILCR)		Surface Water Dermal Cancer Risk (ILCR)	
	CTE	RME	CTE	RME	CTE	RME	CTE	RME	CTE	RME
Aluminum	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	†	†	†	†
Arsenic	1.12E-08	3.67E-07	0.00E+00	0.00E+00	1.37E-11	3.57E-10	1.69E-08	1.07E-06	2.70E-09	1.41E-07
Barium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cesium	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chromium	6.93E-07	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	†	†	†	†
Iron	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Lead	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mercury	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	†	†	†	†
Rubidium	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Vanadium	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Benzo(a)pyrene	1.26E-09	7.65E-08	2.10E-08	5.25E-07	0.00E+00	0.00E+00	†	†	†	†
Dinitrobenzene[1,3-]	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nitrate-Nitrite as N	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Supplemental Table K-1a (concluded)

Chemical	Sediment Ingestion Cancer Risk (ILCR)		Sediment Dermal Cancer Risk (ILCR)		Sediment Inhalation Cancer Risk (ILCR)		Surface Water Ingestion Cancer Risk (ILCR)		Surface Water Dermal Cancer Risk (ILCR)	
	CTE	RME	CTE	RME	CTE	RME	CTE	RME	CTE	RME
Nitrobenzene	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Perchlorate	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RDX	†	†	†	†	†	†	4.32E-08	1.31E-06	6.92E-09	1.74E-07
Tetrachloroethene	†	†	†	†	†	†	3.12E-09	8.30E-08	5.00E-10	1.10E-08
Trichloroethene	†	†	†	†	†	†	2.25E-09	5.95E-08	3.60E-10	7.86E-09
TNT	†	†	†	†	†	†	9.15E-11	4.45E-09	7.32E-10	2.93E-08
Total Pathway ILCR	7.06E-07	2.55E-05	2.10E-08	5.25E-07	1.37E-11	3.57E-10	6.56E-08	2.53E-06	1.12E-08	3.63E-07
Total CTE ILCR for All Pathways and All Media[a]	8E-07									
Total RME ILCR for All Pathways and All Media[a]	3E-05									

[a] Total ILCR reported to one significant figure.
† = Analyte is not a risk driver for this media.

Supplemental Table K-1b
Noncancer Hazard to Trail User from Potential Exposure to Sediment and Surface Water
SWMU 16-021(c)-99 Martin Spring Canyon, Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical	Sediment Ingestion HQ		Sediment Dermal HQ		Sediment Inhalation HQ		Surface Water Ingestion HQ		Surface Water Dermal HQ	
	CTE	RME	CTE	RME	CTE	RME	CTE	RME	CTE	RME
Aluminum	1.34E-04	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	†	†	†	†
Arsenic	1.94E-04	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-04	2.34E-03	4.67E-05	8.78E-04
Barium	7.27E-05	5.81E-04	0.00E+00	0.00E+00	4.42E-06	5.79E-05	1.36E-04	1.09E-03	2.18E-05	4.18E-04
Cesium	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chromium	8.56E-08	6.85E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	†	†	†	†
Iron	†	†	†	†	†	†	2.70E-04	2.16E-03	4.33E-05	9.18E-04
Lead	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	3.63E-05	2.90E-04	0.00E+00	0.00E+00	4.41E-05	4.38E-04	2.52E-04	2.02E-03	4.04E-05	1.36E-03
Mercury	2.24E-05	1.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	†	†	†	†
Rubidium	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	†	†	†	†	†	†	4.89E-04	3.91E-03	7.83E-05	1.18E-03
Uranium	5.18E-06	4.14E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.81E-05	7.05E-04	1.41E-05	2.32E-04
Vanadium	†	†	†	†	†	†	2.15E-04	1.72E-03	3.43E-05	4.80E-04
Benzo(a)pyrene	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	†	†	†	†
Dinitrobenzene[1,3-]	†	†	†	†	†	†	2.05E-04	1.64E-03	3.29E-05	4.88E-04
Nitrate-Nitrite as N	†	†	†	†	†	†	2.48E-03	1.99E-02	3.97E-04	1.05E-02
Nitrobenzene	†	†	†	†	†	†	3.94E-04	3.15E-03	6.30E-05	1.08E-03
Perchlorate	†	†	†	†	†	†	4.16E-03	3.33E-02	6.65E-04	2.02E-02

Supplemental Table K-1b (concluded)

Chemical	Sediment Ingestion HQ		Sediment Dermal HQ		Sediment Inhalation HQ		Surface Water Ingestion HQ		Surface Water Dermal HQ	
	CTE	RME	CTE	RME	CTE	RME	CTE	RME	CTE	RME
RDX	†	†	†	†	†	†	1.02E-03	8.15E-03	0.00E+00	0.00E+00
Tetrachloroethene	†	†	†	†	†	†	4.50E-06	3.60E-05	7.20E-07	5.68E-06
Trichloroethene	†	†	†	†	†	†	1.46E-04	1.17E-03	0.00E+00	0.00E+00
TNT	†	†	†	†	†	†	4.75E-05	3.80E-04	3.80E-04	5.48E-03
Pathway HI	4.64E-04	3.72E-03	0.00E+00	0.00E+00	4.85E-05	4.96E-04	1.02E-02	8.16E-02	1.82E-03	4.32E-02
Total CTE HI for All Pathways and All Media[a]	1E-02									
Total RME HI for All Pathways and All Media[a]	1E-01									

[a] Total ILCR reported to one significant figure.
† = Analyte is not a risk driver for this media.

Table 2
Comparison of Chemical Concentrations versus SALs for Sediment at the Martin Springs Canyon, SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical Name	Number of Detections	Number of Nondetections	Sample Value (mg/kg)[a]		Location ID	Sample ID	SAL (mg/kg)	0.1 SAL (mg/kg)	Number of Detections Above Screening Limit	Number of Nondetections Above Screening Limit	Chemical Retained as a COPC[b]?
Aluminum	21	0	Max. Detected Value	17,000	16-06600	RE16-00-0358	74,000	7400	21	na[c]	**Yes**
Amino-2,6-dinitrotoluene[4-]	6	15	Max. Detected Value	0.36	16-06599	RE16-00-0357	61	6.1	0	0	No
			Max. Undetected Value	0.35 (U)[d]	16-06605	RE16-00-0364					
Amino-4,6-dinitrotoluene[2-]	10	11	Max. Detected Value	0.37	16-06599	RE16-00-0357	61	6.1	0	0	No
			Max. Undetected Value	0.28 (U)	16-06603	RE16-00-0361					
Arsenic	21	0	Max. Detected Value	10	16-06600	RE16-00-0358	0.39	---	21	na	**Yes**
Barium	21	0	Max. Detected Value	1700 (J-)[e]	16-06602	RE16-00-0360	5200	520	7	na	**Yes**
Benzo(a)anthracene	4	2	Max. Detected Value	0.31 (J-)	16-06596	RE16-00-0354	0.62	---	4	0	**Yes**
			Max. Undetected Value	0.065 (U)	16-06603	RE16-00-0361					
Benzo(a)pyrene	4	2	Max. Detected Value	0.39 (J)[f]	16-06596	RE16-00-0354	0.062	---	0	0	No
			Max. Undetected Value	0.058 (UJ)[g]	16-06603	RE16-00-0361					
Benzo(b)fluoranthene	4	2	Max. Detected Value	0.43 (J)	16-06596	RE16-00-0354	0.62	---	0	0	No
			Max. Undetected Value	0.063 (U)	16-06603	RE16-00-0361					

Table 2 (continued)

Chemical Name	Number of Detections	Number of Nondetections	Sample Value (mg/kg)[a]		Location ID	Sample ID	SAL (mg/kg)	0.1 SAL (mg/kg)	Number of Detections Above Screening Limit	Number of Nondetections Above Screening Limit	Chemical Retained as a COPC[b]?
Benzo(g,h,i)perylene	3	3	Max. Detected Value	0.15 (J)	16-06596	RE16-00-0354	1800	180	0	0	No
			Max. Undetected Value	0.082 (U)	16-06603	RE16-00-0361					
Benzo(k)fluoranthene	3	3	Max. Detected Value	0.37 (J)	16-06596	RE16-00-0354	6.2	---	0	0	No
			Max. Undetected Value	0.076 (U)	16-06603	RE16-00-0361					
Benzoic Acid	2	4	Max. Detected Value	0.044 (J)	16-06593	RE16-00-0372	100,000	10,000	0	0	No
			Max. Undetected Value	0.044 (UJ)	16-06606	RE16-00-0365					
Beryllium	21	0	Max. Detected Value	1	16-06600	RE16-00-0358	150	15	0	na	No
Bis(2-ethylhexyl)phthalate	1	5	Max. Detected Value	0.041 (J)	16-06593	RE16-00-0371	35	---	0	0	No
			Max. Undetected Value	0.089 (U)	16-06603	RE16-00-0361					
Boron	19	2	Max. Detected Value	43	16-06603	RE16-00-0361	5500	550	0	0	No
			Max. Undetected Value	0.077 (U)	16-06598	RE16-00-0356					
Cadmium	21	0	Max. Detected Value	1	16-06600	RE16-00-0358	70	7	0	na	No
Chromium	21	0	Max. Detected Value	30	16-06600	RE16-00-0358	210	---	1	na	**Yes**
Chrysene	3	3	Max. Detected Value	0.37 (J-)	16-06596	RE16-00-0354	61	---	0	0	No
			Max. Undetected Value	0.091 (U)	16-06603	RE16-00-0361					

Table 2 (continued)

Chemical Name	Number of Detections	Number of Nondetections	Sample Value (mg/kg)[a]		Location ID	Sample ID	SAL (mg/kg)	0.1 SAL (mg/kg)	Number of Detections Above Screening Limit	Number of Nondetections Above Screening Limit	Chemical Retained as a COPC[b]?
Cobalt	21	0	Max. Detected Value	5.8	16-06601	RE16-00-0359	4500	450	0	na	No
Copper	21	0	Max. Detected Value	100 (J-)	16-06600	RE16-00-0358	2800	280	0	na	No
Fluoranthene	3	3	Max. Detected Value	0.69 (J-)	16-06596	RE16-00-0354	2300	230	0	0	No
			Max. Undetected Value	0.063 (U)	16-06603	RE16-00-0361					
Indeno(1,2,3-cd)pyrene	3	3	Max. Detected Value	0.16 (J)	16-06596	RE16-00-0354	0.62	---	0	0	No
			Max. Undetected Value	0.081 (UJ)	16-06606	RE16-00-0365					
Lead	21	0	Max. Detected Value	120	16-06602	RE16-00-0360	400	40	7	na	**Yes**
Manganese	4	0	Max. Detected Value	870 (J-)	16-06600	RE16-00-0358	7800	780	1	na	**Yes**
Mercury	21	0	Max. Detected Value	2.3	16-06598	RE16-00-0356	6.5	0.65	7	na	**Yes**
Nickel	21	0	Max. Detected Value	9	16-06600	RE16-00-0358	1500	150	0	na	No
Phenanthrene	3	3	Max. Detected Value	0.4 (J-)	16-06596	RE16-00-0354	1800	180	0	0	No
			Max. Undetected Value	0.098 (U)	16-06603	RE16-00-0361					
Pyrene	4	2	Max. Detected Value	0.89 (J-)	16-06596	RE16-00-0354	1800	180	0	0	No
			Max. Undetected Value	0.068 (U)	16-06603	RE16-00-0361					

Table 2 (concluded)

Chemical Name	Number of Detections	Number of Nondetections	Sample Value (mg/kg)[a]		Location ID	Sample ID	SAL (mg/kg)	0.1 SAL (mg/kg)	Number of Detections Above Screening Limit	Number of Nondetections Above Screening Limit	Chemical Retained as a COPC[b]?
RDX[h]	4	17	Max. Detected Value	0.92	16-06606	RE16-00-0365	4.4	---	0	0	No
			Max. Undetected Value	0.33 (U)	16-06597	RE16-00-0355					
Selenium	21	0	Max. Detected Value	1.58	16-06600	RE16-00-0358	380	38	0	na	No
Silver	21	0	Max. Detected Value	2.2	16-06600	RE16-00-0358	380	38	0	na	No
Thallium	21	0	Max. Detected Value	0.318 (J+)[i]	16-06600	RE16-00-0358	6.1	0.61	0	na	No
TNT[j]	8	13	Max. Detected Value	1	16-06600	RE16-00-0358	3.1	---	0	0	No
			Max. Undetected Value	0.35 (U)	16-06605	RE16-00-0364					
Uranium	6	0	Max. Detected Value	1.79	16-06593	RE16-00-0371	16	1.6	1	na	**Yes**
Vanadium	21	0	Max. Detected Value	36	16-06600	RE16-00-0358	530	53	0	na	No
Zinc	21	0	Max. Detected Value	180	16-06600	RE16-00-0358	23,000	2300	0	na	No

The hierarchy of the sources for the SALs is:
NMED 2000, 68554.
EPA 2002, 76867.
EPA 2002, 76866.
LANL 1998, 59891

[a] (mg/kg) = Milligrams per kilogram.

[b] COPC = Chemical of potential concern.

[c] na = Not applicable.

[d] (U) = The chemical is classified "not detected."

[e] (J-) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.

[f] (J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.

[g] (UJ) = The chemical is classified "not detected" with an expectation that the reported result is more uncertain than usual.

[h] RDX = Cyclotrimethylenetrinitramine.

[I] (J+) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.

[j] TNT =Trinitrotoluene [2,4,6-].

Table 3 (Revised)
Comparison of Chemical Concentrations versus Water Quality Standards for Surface Water at Martin Spring Canyon, SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)[a]	EPA MCL (µg/L)	Chemical Retained as a COPC?
Acetone	1	0	Filtered	Max. Detected Value	28	(J-)	16-02650	RE16-98-3012	WGSg	33,000	610	na	na	na	na	No
	4	12	Unfiltered	Max. Detected Value	47		16-02650	RE16-98-3063	WGS							
				Max. Undetected Value	30	(U)	16-02650	RE16-01-3178	WGS							
Aluminum	22	26	Filtered	Max. Detected Value	18,100		16-05920	RE16-01-3135	WSk	37,000	36,000	na	750	5000	50	**No**
				Max. Undetected Value	175	(U)	16-02650	RE16-98-3012	WGS							
	39	10	Unfiltered	Max. Detected Value	21,600	(J+)	16-05988	RE16-99-3062	WS							
				Max. Undetected Value	400	(U)	16-02650	RE16-01-3033	WGS							
Amino-2,6-dinitrotoluene[4-]	2	2	Filtered	Max. Detected Value	2.2		16-05920	RE16-98-3100	WS	37	36	na	na	na	na	No
				Max. Undetected Value	5	(U)	16-02650	RE16-98-3062	WGS							
	20	19	Unfiltered	Max. Detected Value	7.8	(J)	16-02650	RE16-99-3246	WGS							
				Max. Undetected Value	10	(U)	16-02650	RE16-00-3288	WGS							
Amino-4,6-dinitrotoluene[2-]	2	2	Filtered	Max. Detected Value	1.92		16-02650	RE16-98-3012	WGS	37	36	na	na	na	na	No
				Max. Undetected Value	5	(U)	16-02650	RE16-98-3062	WGS							
	18	21	Unfiltered	Max. Detected Value	3		16-02650	RE16-00-3006	WGS							
				Max. Undetected Value	20	(U)	16-02650	RE16-99-3246	WGS							
Amino-x,6-dinitrotoluene[x-]	1	0	Filtered	Max. Detected Value	6.6		16-02650	RE16-98-3038	WGS	37	36	na	na	na	na	No
	7	1	Unfiltered	Max. Detected Value	7.8		16-02650	RE16-00-3145	WGS							
				Max. Undetected Value	0.39	(U)	16-02650	RE16-00-3201	WGS							
Antimony	7	40	Filtered	Max. Detected Value	3.3	(J)	16-02650	RE16-01-3042	WGS	15	15	4300	na	na	6	**No**
				Max. Undetected Value	33	(U)	16-05921	RE16-98-3102	WS							
	8	40	Unfiltered	Max. Detected Value	5.3	(J)	16-05988	RE16-99-3062	WS							
				Max. Undetected Value	33	(U)	16-05920	RE16-98-3101	WS							

Table 3 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)[a]	EPA MCL (µg/L)	Chemical Retained as a COPC?
Arsenic	15	33	Filtered	Max. Detected Value	2.94	(J)	16-02650	RE16-02-45910	WGS	0.045	0.045	24.2	340	100	10	Yes
				Max. Undetected Value	5	(U)	16-02650	RE16-02-45252	WGS							
	21	28	Unfiltered	Max. Detected Value	75.1		16-05988	RE16-99-3062	WS							
				Max. Undetected Value	5	(U)	16-02650	RE16-01-3328	WGS							
Barium	48	0	Filtered	Max. Detected Value	512		16-05988	RE16-99-3063	WS	2600	2600	na	na	1000	2000	Yes
	49	0	Unfiltered	Max. Detected Value	8560		16-05988	RE16-99-3062	WS							
Beryllium	5	43	Filtered	Max. Detected Value	1.4	(J)	16-05920	RE16-01-3135	WS	73	73	na	130	na	4	No
				Max. Undetected Value	4	(U)	16-02650	RE16-98-3038	WGS							
	13	36	Unfiltered	Max. Detected Value	2.3	(J)	16-05988	RE16-99-3062	WS							
				Max. Undetected Value	4	(U)	16-02650	RE16-00-3125	WGS							
Boron	46	0	Filtered	Max. Detected Value	2840		16-02650	RE16-01-3329	WGS	3300	7300	na	na	750	na	**No**
	46	0	Unfiltered	Max. Detected Value	2750		16-02650	RE16-01-3328	WGS							
Butanone[2-]	0	1	Filtered	Max. Undetected Value	20	(UJ)	16-02650	RE16-98-3012	WGS	7100	1900	na	na	na	na	No
	1	16	Unfiltered	Max. Detected Value	2.2	(J)	16-02650	RE16-98-3071	WGS							
				Max. Undetected Value	20	(U)	16-02650	RE16-99-3246	WGS							
Cadmium	10	38	Filtered	Max. Detected Value	0.97	(J+)	16-02650	RE16-00-3283	WGS	18	18	na	1740	10	5	No
				Max. Undetected Value	5	(U)	16-02650	RE16-98-3038	WGS							
	11	38	Unfiltered	Max. Detected Value	1.6		16-02650	RE16-01-3328	WGS							
				Max. Undetected Value	5	(U)	16-02650	RE16-98-3039	WGS							
Cesium	1	0	Filtered	Max. Detected Value	500		16-02650	RE16-98-3012	WGS	na	na	na	na	na	na	Yes
	0	1	Unfiltered	Max. Undetected Value	500	(U)	16-02650	RE16-98-3013	WGS							
Chromium	30	18	Filtered	Max. Detected Value	15.5		16-05920	RE16-01-3135	WS	110	110	na	130,000[b]	50	100	No
				Max. Undetected Value	10	(U)	16-02650	RE16-98-3038	WGS							
	32	17	Unfiltered	Max. Detected Value	25.6		16-05988	RE16-99-3062	WS							
				Max. Undetected Value	10	(U)	16-02650	RE16-98-3039	WGS							

Table 3 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)[a]	EPA MCL (µg/L)	Chemical Retained as a COPC?
Cobalt	20	28	Filtered	Max. Detected Value	11	(J)	16-02650	RE16-00-3283	WGS	730	730	na	na	50	na	**No**
				Max. Undetected Value	20	(U)	16-02650	RE16-00-3126	WGS							
	11	38	Unfiltered	Max. Detected Value	136		16-05988	RE16-99-3062	WS							
				Max. Undetected Value	20	(U)	16-02650	RE16-00-3125	WGS							
Copper	20	28	Filtered	Max. Detected Value	28.9		16-05920	RE16-01-3135	WS	1400	1500	na	6960[b]	500	1000	No
				Max. Undetected Value	20	(U)	16-02650	RE16-98-3038	WGS							
	24	25	Unfiltered	Max. Detected Value	45.6		16-05988	RE16-99-3062	WS							
				Max. Undetected Value	20	(U)	16-02650	RE16-98-3039	WGS							
Dinitrobenzene[1,3-]	1	4	Filtered	Max. Detected Value	0.66		16-05920	RE16-98-3100	WS	3.70	3.60	na	na	na	na	Yes
				Max. Undetected Value	5	(U)	16-02650	RE16-98-3062	WGS							
	5	42	Unfiltered	Max. Detected Value	1.1		16-02650	RE16-01-3328	WGS							
				Max. Undetected Value	20	(U)	16-02650	RE16-99-3246	WGS							
DNX	1	4	Unfiltered	Max. Detected Value	0.091	(J)	16-02650	RE16-02-45253	WGS	0.61	0.61	na	na	na	na	No
				Max. Undetected Value	0.5	(U)	16-02650	RE16-02-45908	WGS							
HMX	4	1	Filtered	Max. Detected Value	20		16-05920	RE16-98-3100	WS	1800	1800	na	na	na	na	No
				Max. Undetected Value	20	(U)	16-02650	RE16-98-3062	WGS							
	39	8	Unfiltered	Max. Detected Value	32	(J+)	16-02650	RE16-99-3246	WGS							
				Max. Undetected Value	20	(U)	16-02650	RE16-00-3282	WGS							
Iron	27	21	Filtered	Max. Detected Value	12,200	(J-)	16-05920	RE16-01-3135	WS	11,000	11,000	na	na	1000	300	**Yes**
				Max. Undetected Value	156	(U)	16-02650	RE16-99-3011	WGS							
	40	9	Unfiltered	Max. Detected Value	98,800	(J+)	16-05988	RE16-99-3062	WS							
				Max. Undetected Value	210	(U)	16-02650	RE16-99-3242	WGS							
Lead	10	38	Filtered	Max. Detected Value	21.1		16-05920	RE16-01-3135	WS	15	na	na	-66,600[b,c]	50	15	Yes
				Max. Undetected Value	2.3	(U)	16-05920	RE16-00-3181	WS							
	25	24	Unfiltered	Max. Detected Value	46.1		16-05988	RE16-99-3062	WS							
				Max. Undetected Value	2	(U)	16-02650	RE16-00-3006	WGS							

Table 3 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)[a]	EPA MCL (µg/L)	Chemical Retained as a COPC?
Lithium	3	0	Filtered	Max. Detected Value	8.5	(J)	16-02650	RE16-98-3068	WGS	730	730	na	na	na	na	No
	3	0	Unfiltered	Max. Detected Value	9.4	(J)	16-02650	RE16-98-3063	WGS							
Manganese	36	12	Filtered	Max. Detected Value	2420		16-05988	RE16-99-3063	WS	1700	880	na	na	200	50	Yes
				Max. Undetected Value	10	(U)	16-02650	RE16-98-3038	WGS							
	40	9	Unfiltered	Max. Detected Value	66,800		16-05988	RE16-99-3062	WS							
				Max. Undetected Value	10	(U)	16-02650	RE16-98-3039	WGS							
Mercury	1	47	Filtered	Max. Detected Value	0.05	(J)	16-02650	RE16-99-3011	WGS	11	11	0.012	2.4	0.77	2	**No**
				Max. Undetected Value	0.2	(U)	16-02650	RE16-02-45901	WGS							
	5	44	Unfiltered	Max. Detected Value	1.1		16-05988	RE16-99-3062	WS							
				Max. Undetected Value	0.2	(U)	16-02650	RE16-98-3039	WGS							
MNX	2	3	Unfiltered	Max. Detected Value	0.35	(J)	16-02650	RE16-02-45253	WGS	0.61	0.61	na	na	na	na	No
				Max. Undetected Value	0.5	(U)	16-02650	RE16-02-45908	WGS							
Molybdenum	2	1	Filtered	Max. Detected Value	5.5	(J)	16-02650	RE16-98-3038	WGS	180	180	na	na	1000	na	No
				Max. Undetected Value	4.3	(U)	16-02650	RE16-98-3068	WGS							
	2	1	Unfiltered	Max. Detected Value	6.4	(J)	16-02650	RE16-98-3039	WGS							
				Max. Undetected Value	4.3	(U)	16-02650	RE16-98-3063	WGS							
Nickel	21	27	Filtered	Max. Detected Value	5.2	(J)	16-05991	RE16-00-3308	WS	730	730	4600	128,000[b]	200	na	No
				Max. Undetected Value	40	(U)	16-02650	RE16-00-3126	WGS							
	24	25	Unfiltered	Max. Detected Value	28.9	(J)	16-05988	RE16-99-3062	WS							
				Max. Undetected Value	40	(U)	16-02650	RE16-98-3039	WGS							
Nitrate	2	0	Filtered	Max. Detected Value	4400		16-02650	RE16-98-3062	WGS	10,000	10,000	na	na	10,000	10,000	No
	5	1	Unfiltered	Max. Detected Value	4400		16-02650	RE16-98-3063	WGS							
				Max. Undetected Value	200	(U)	16-05988	RE16-99-3062	WS							
Nitrate-Nitrite as N	3	0	Filtered	Max. Detected Value	5000		16-05920	RE16-98-3100	WS	na	na	na	na	10,000	na	Yes
	39	3	Unfiltered	Max. Detected Value	4.00E+06		16-02650	RE16-00-3282	WGS							
				Max. Undetected Value	500	(U)	16-05921	RE16-00-3309	WS							

Table 3 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)[a]	EPA MCL (µg/L)	Chemical Retained as a COPC?
Nitrobenzene	0	6	Filtered	Max. Undetected Value	20	(U)	16-02650	RE16-98-3062	WGS	3.40	3.40	1900	na	na	na	Yes
	1	49	Unfiltered	Max. Detected Value	2.4	(J)	16-02650	RE16-00-3006	WGS							
				Max. Undetected Value	200	(U)	16-02650	RE16-00-3288	WGS							
Perchlorate	2	32	Unfiltered	Max. Detected Value	17.5		16-02650	RE16-00-3145	WGS	3.70	3.60	na	na	4	na	Yes
				Max. Undetected Value	958	(U)	16-02650	RE16-01-3090	WGS							
RDX	5	0	Filtered	Max. Detected Value	160		16-02650	RE16-98-3062	WGS	0.61	0.61	na	na	na	na	Yes
	44	3	Unfiltered	Max. Detected Value	330	(J+)	16-02650	RE16-99-3246	WGS							
				Max. Undetected Value	1	(U)	16-05991	RE16-00-3307	WS							
Rubidium	1	0	Filtered	Max. Detected Value	7000		16-02650	RE16-98-3012	WGS	na	na	na	na	na	na	Yes
	1	0	Unfiltered	Max. Detected Value	600		16-02650	RE16-98-3013	WGS							
Selenium	12	36	Filtered	Max. Detected Value	3.9	(J)	16-02650	RE16-00-3007	WGS	180	180	11,000	20.0	5	50	**No**
				Max. Undetected Value	5	(U)	16-02650	RE16-02-45910	WGS							
	20	29	Unfiltered	Max. Detected Value	38.3		16-05988	RE16-99-3062	WS							
				Max. Undetected Value	5	(U)	16-02650	RE16-02-45894	WGS							
Silver	6	42	Filtered	Max. Detected Value	3.6	(J)	16-02650	RE16-00-3259	WGS	180	180	na	311,000[b]	50	100	No
				Max. Undetected Value	10	(U)	16-02650	RE16-98-3038	WGS							
	8	41	Unfiltered	Max. Detected Value	5.5	(J)	16-05988	RE16-99-3062	WS							
				Max. Undetected Value	10	(U)	16-02650	RE16-98-3039	WGS							
Strontium	3	0	Filtered	Max. Detected Value	158		16-02650	RE16-98-3068	WGS	22,000	22,000	na	na	na	na	No
	3	0	Unfiltered	Max. Detected Value	157		16-02650	RE16-98-3063	WGS							
Sulfate	5	0	Filtered	Max. Detected Value	23,400		16-05920	RE16-98-3100	WS	na	na	na	na	600,000	250,000	No
	42	0	Unfiltered	Max. Detected Value	70,300		16-05921	RE16-00-3309	WS							
Tetrachloroethene	0	1	Filtered	Max. Undetected Value	5	(UJ)	16-02650	RE16-98-3012	WGS	0.10	0.66	88.5	na	20	5	**Yes**
	2	15	Unfiltered	Max. Detected Value	0.62	(J)	16-02650	RE16-01-3217	WGS							
				Max. Undetected Value	5	(U)	16-02650	RE16-98-3071	WGS							

Table 3 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)[a]	EPA MCL (µg/L)	Chemical Retained as a COPC?
Thallium	13	35	Filtered	Max. Detected Value	3.4	(J)	16-02650	RE16-00-3001	WGS	2.90	2.4	6.3	na	na	2	Yes
				Max. Undetected Value	6	(U)	16-02650	RE16-98-3012	WGS							
	13	36	Unfiltered	Max. Detected Value	7.1	(J)	16-02650	RE16-00-3000	WGS							
				Max. Undetected Value	45	(U)	16-05988	RE16-99-3062	WS							
TNX	1	4	Unfiltered	Max. Detected Value	0.23	(J)	16-02650	RE16-02-45253	WGS	0.61	0.61	na	na	na	na	No
				Max. Undetected Value	0.5	(U)	16-02650	RE16-02-45908	WGS							
Trichloro-1,2,2-trifluoroethane[1,1,2-]	0	1	Filtered	Max. Undetected Value	5	(UJ)	16-02650	RE16-98-3012	WGS	59,000	na	na	na	na	na	No
	1	12	Unfiltered	Max. Detected Value	2	(J)	16-02650	RE16-00-3201	WGS							
				Max. Undetected Value	5	(U)	16-02650	RE16-99-3040	WGS							
Trichloroethene	0	1	Filtered	Max. Undetected Value	5	(UJ)	16-02650	RE16-98-3012	WGS	0.028	0.028	810	na	100	5	**Yes**
	6	11	Unfiltered	Max. Detected Value	0.85	(J)	16-02650	RE16-99-3010	WGS							
				Max. Undetected Value	5	(U)	16-02650	RE16-99-3193	WGS							
Trinitrobenzene[1,3,5-]	3	2	Filtered	Max. Detected Value	2.3		16-02650	RE16-98-3038	WGS	1100	1100	na	na	na	na	No
				Max. Undetected Value	5.2	(U)	16-02650	RE16-98-3062	WGS							
	19	28	Unfiltered	Max. Detected Value	2.1		16-02650	RE16-98-3039	WGS							
				Max. Undetected Value	21	(U)	16-02650	RE16-99-3246	WGS							
TNT	0	5	Filtered	Max. Undetected Value	5	(U)	16-02650	RE16-98-3062	WGS	2.2	2.2	na	na	na	na	Yes
	1	45	Unfiltered	Max. Detected Value	0.86	(J)	16-02650	RE16-00-3246	WGS							
				Max. Undetected Value	20	(U)	16-02650	RE16-99-3246	WGS							
Tritium	18	3	Unfiltered	Max. Detected Value	209.3		16-02650	RE16-00-3288	WGS	na	na	na	na	20,000	20,000	No
				Max. Undetected Value	110	(U)	16-02650	RE16-98-3071	WGS							
Uranium	0	3	Filtered	Max. Undetected Value	126	(U)	16-02650	RE16-98-3038	WGS	na	7.3	na	na	5000	30	Yes
	21	2	Unfiltered	Max. Detected Value	60		16-02650	RE16-98-3063	WGS							
				Max. Undetected Value	126	(U)	16-02650	RE16-98-3039	WGS							

Table 3 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	EPA Region 6 Tap Water Screening Level (µg/L)	EPA Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQCC Standard (µg/L)[a]	EPA MCL (µg/L)	Chemical Retained as a COPC?
Vanadium	40	8	Filtered	Max. Detected Value	27.9	(J)	16-05920	RE16-01-3135	WS	37	260	na	na	100	na	Yes
				Max. Undetected Value	10	(U)	16-02650	RE16-98-3038	WGS							
	43	6	Unfiltered	Max. Detected Value	111		16-05988	RE16-99-3062	WS							
				Max. Undetected Value	10	(U)	16-02650	RE16-00-3125	WGS							
Zinc	25	23	Filtered	Max. Detected Value	59.6		16-05920	RE16-01-3135	WS	11,000	11,000	69,000	32,300[b]	10,000	5000	No
				Max. Undetected Value	24.9	(U)	16-05991	RE16-00-3308	WS							
	35	14	Unfiltered	Max. Detected Value	183		16-05988	RE16-99-3062	WS							
				Max. Undetected Value	31.7	(U)	16-05920	RE16-00-3311	WS							

[a] The hierarchy of the sources for the toxicity factors is:
20 NMAC 6.2.3103
20 NMAC 6.4.900
EPA 2002, 76871
EPA 2002, 76867
California DHS 2003, 76862.

[b] Denotes calculated using the minimum hardness determined, 76,000 µg/L.

[c] Denotes negative value is an artifact of hardness correction calculation.

(J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.
(J+) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.
(J-) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.
(U) = The chemical is classified “undetected” or "not detected."
na = Not applicable.
WGS = Groundwater, springs.
WS = Surface Water.

Table 4 (Revised)
Comparison of COPCs in Sediment at the Cañon de Valle and Martin Spring Areas, SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Analyte	Number of Analyses		Mean Concentration (mg/kg)		95% UCL (mg/kg)		Maximum Concentration (mg/kg)	
	Cañon de Valle	Martin Springs	Cañon de Valle	Martin Springs	Cañon de Valle	Martin Springs	Cañon de Valle	Martin Springs
Aluminum	89	21	6,260	**10,938**	7,919	**12,998**	21,710	17,000
Antimony	89	Not a COPC	1.29	Not a COPC	2.33	Not a COPC	11.0 (2.6)	Not a COPC
Arsenic	88	21	2.19	**4.76**	2.32	**7.00**	4.20	**10.0**
Barium	89	21	5,183	416	8,758	851	40,300	1700
Chromium	89	21	6.51	**10.5**	8.77	**17.1**	33.1	30
Lead	89	21	29.1	**39.2**	35.0	**73.9**	163	120
Manganese	88	4	354	**415**	467	**645**	1,600	870
Mercury	Not a COPC	21	Not a COPC	0.55	Not a COPC	1.23	Not a COPC	2.30
Silver	89	Not a COPC	7.85	Not a COPC	10.6	Not a COPC	167	Not a COPC
Thallium	89	Not a COPC	0.51	Not a COPC	0.75	Not a COPC	3.60	Not a COPC
Uranium	21	6	2.07	1.27	2.41	1.69	3.91	1.79
Zinc	Not a COPC	21	Not a COPC	54.5	Not a COPC	95.9	Not a COPC	180
Benzo(a)pyrene	43	6	0.32	0.11	0.45	0.30	0.70 (0.26)	0.39
Dinitrobenzene[1,3-]	89	Not a COPC	0.14	Not a COPC	0.26	Not a COPC	2.50	Not a COPC
Hexachlorobenzene	42	Not a COPC	0.35	Not a COPC	0.44	Not a COPC	0.70	Not a COPC
Indeno(1,2,3-cd)pyrene	42	Not a COPC	0.32	Not a COPC	0.44	Not a COPC	0.70	Not a COPC

Table 4 (Revised) (concluded)

Analyte	Number of Analyses		Mean Concentration (mg/kg)		95% UCL (mg/kg)		Maximum Concentration (mg/kg)	
	Cañon de Valle	Martin Springs	Cañon de Valle	Martin Springs	Cañon de Valle	Martin Springs	Cañon de Valle	Martin Springs
Nitrobenzene	122	Not a COPC	0.21	Not a COPC	0.32	Not a COPC	2.60	Not a COPC
RDX	89	Not a COPC	1.26	Not a COPC	3.38	Not a COPC	42.0	Not a COPC
TNT	89	Not a COPC	0.20	Not a COPC	0.34	Not a COPC	2.50	Not a COPC

(#) = maximum value shown is based upon a non-detected value. Number in parentheses is the maximum detected value.
Note: Bold indicates Martin Spring value exceeds Cañon de Valle value.

Table 5 (Revised)
Comparison of COPCs in Surface Water at the Cañon de Valle and Martin Spring Canyon, SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Analyte	Number of Analyses		Mean Concentration (µg/L)		95% UCL (µg/L)		Maximum Concentration (µg/L)	
	Cañon de Valle	Martin Spring	Cañon de Valle	Martin Spring	Cañon de Valle	Martin Spring	Cañon de Valle	Martin Spring
Arsenic	178	49	1.90	**3.58**	3.03	**10.2**	27.0	**75.1**
Barium	176	49	2065	390	2,862	1133	16,300	8560
Cesium	3	1	400	250	na	na	700	250
Iron	179	49	1172	3316	1659	10,661	12,500	98,800
Lead	179	49	2.33	**2.82**	3.79	3.69	24.1	**46.1**
Manganese	179	49	106	**1444**	174	**7,381**	2200	**66,800**
Rubidium	3	1	367	**600**	na	na	600	600
Silver	178	Not a COPC	2.52	Not a COPC	4.51	Not a COPC	61.6	Not a COPC
Thallium	179	49	1.26	**1.60**	1.59	**3.65**	7.40	22.5 (7.10)
Uranium	80	23	6.69	**10.8**	14.2	**27.0**	63.0 (5.62)	63.0 **(60.0)**
Vanadium	Not a COPC	49	Not a COPC	8.77	Not a COPC	18.6	Not a COPC	111
Amino-2,6-dinitrotoluene[4-]	141	Not a COPC	3.92	Not a COPC	6.82	Not a COPC	53.2	Not a COPC
Amino-4,6-dinitrotoluene[2-]	142	Not a COPC	3.51	Not a COPC	6.08	Not a COPC	43.2	Not a COPC
Bis(2-ethyhexyl) phthalate	59	Not a COPC	4.73	Not a COPC	5.60	Not a COPC	13.0	Not a COPC
Bromomethane	92	Not a COPC	4.35	Not a COPC	4.61	Not a COPC	5.00	Not a COPC
Chloromethane	92	Not a COPC	4.69	Not a COPC	6.13	Not a COPC	30.0	Not a COPC
Dichloroethane[1,2-]	92	Not a COPC	2.33	Not a COPC	2.82	Not a COPC	7.00	Not a COPC
Dinitro-2-methylphenol[4,6-]	59	Not a COPC	24.6	Not a COPC	28.5	Not a COPC	50.0	Not a COPC
Dinitrobenzene[1,3-]	152	47	0.70	**0.84**	1.40	**1.89**	10.0	10.0
Dinitrotoluene[2,6-]	205	Not a COPC	1.96	Not a COPC	3.01	Not a COPC	23.5	Not a COPC

Table 5 (Revised) (concluded)

Analyte	Number of Analyses		Mean Concentration (µg/L)		95% UCL (µg/L)		Maximum Concentration (µg/L)	
	Cañon de Valle	Martin Spring	Cañon de Valle	Martin Spring	Cañon de Valle	Martin Spring	Cañon de Valle	Martin Spring
DNX	19	Not a COPC	0.32	Not a COPC	0.57	Not a COPC	1.30	Not a COPC
Methylene Chloride	92	Not a COPC	2.60	Not a COPC	3.53	Not a COPC	19.0	Not a COPC
MNX	19	Not a COPC	0.29	Not a COPC	0.47	Not a COPC	0.97	Not a COPC
Naphthalene	105	Not a COPC	3.96	Not a COPC	4.57	Not a COPC	9	Not a COPC
Nitrate-Nitrite as N	98	42	35,592	**162,389**	185,892	**652,190**	3,380,000	**3,800,000**
Nitrobenzene	205	50	2.95	**8.05**	4.48	21.0	50.0	**100**
Nitrotoluene[4-]	151	Not a COPC	2.93	Not a COPC	5.24	Not a COPC	50.0	Not a COPC
Perchlorate	85	34	3.26	**17.0**	4.81	**78.1**	17.1	479 **(17.5)**
RDX	174	47	82.4	**125**	127	**171**	818	330
Tetrachloroethene	98	18	2.24	1.84	2.52	**2.2**	3.90	2.50
Trichloroethene	98	18	2.26	1.79	2.53	2.13	3.70	2.50
TNT	165	46	1.19	0.97	2.33	2.12	17.5 (7.41)	10.0 (0.86)
Americium-241	12	Not a COPC	3.34	Not a COPC	4.32	Not a COPC	7.30	Not a COPC
Ruthenium-106	12	Not a COPC	8.54	Not a COPC	20.4	Not a COPC	33.0	Not a COPC

(#) = maximum value shown is based upon a non-detected value. Number in parentheses is the maximum detected value.
Note: Bold indicates Martin Spring value exceeds Cañon de Valle value.

Table K-1 (Revised)
Comparison of Chemical Concentrations versus SALs SWMU 16-021(c)-99 Source Area
Los Alamos National Laboratory, Los Alamos, New Mexico

Analyte	Surrogate Compound[a]	Location ID	Sample ID	Maximum Concentration (mg/kg)	Data Qualifier	Media Code[b]	Sample Depth (ft)	SAL (mg/kg)	0.1 SAL[c] (mg/kg)	Number of Detected Values Above Screening	Chemical Retained as a COPC?
Metals											
Aluminum		16-06403	RE16-00-0047	52,000		QBT3	5.00-5.50	74,000	7400	3	**Yes**
Arsenic		16-06411	RE16-00-0044	9.3		ALLH	3.00-3.50	0.39	NA	3	**Yes**
Barium		16-06420	RE16-00-0043	8200		ALLH	1.50-2.00	5200	520	19	**Yes**
Beryllium		16-06403	RE16-00-0047	4.4		QBT3	5.00-5.50	150	15	0	No
Chromium		16-06403	RE16-00-0047	17		QBT3	5.00-5.50	210	NA	0	No
Cobalt		16-06403	RE16-00-0047	3.7		QBT3	5.00-5.50	4500	450	0	No
Copper		16-06403	RE16-00-0047	17	(J)	QBT3	5.00-5.50	2800	280	0	No
Iron		16-06403	RE16-00-0047	25,000		QBT3	5.00-5.00	23,000	2300	20	**Yes**
Lead		16-06403	RE16-00-0047	32		QBT3	5.00-5.50	400	40	0	No
Manganese		16-06416	RE16-00-0041	1200	(J-)	ALLH	0.00-0.50	7800	780	1	**Yes**
Nickel		16-06403	RE16-00-0047	20		QBT3	5.00-5.50	1500	150	0	No
Selenium		16-06403	RE16-00-0047	1.41		QBT3	5.00-5.50	380	38	0	No
Silver		16-06388	RE16-00-0035	2.1		ALLH	0.00-0.50	380	38	0	No
Thallium		16-06416	RE16-00-0041	0.87	(UJ)	ALLH	0.00-0.50	6.1	0.61	1	**Yes**

Table K-1 (Revised) (continued)

Analyte	Surrogate Compound[a]	Location ID	Sample ID	Maximum Concentration (mg/kg)	Data Qualifier	Media Code[b]	Sample Depth (ft)	SAL (mg/kg)	0.1 SAL[c] (mg/kg)	Number of Detected Values Above Screening	Chemical Retained as a COPC?
Uranium		16-06416	RE16-00-0041	3.12	(J-)	ALLH	0.00-0.50	16	1.6	3	**Yes**
Vanadium		16-06403	RE16-00-0047	20		QBT3	5.00-5.50	530	53	0	No
Zinc		16-06403	RE16-00-0047	84	(J-)	QBT3	5.00-5.50	23,000	2300	0	No
Organic Chemicals											
Amino-2,6-dinitrotoluene[4-]	2,6 DNT	16-06402	RE16-00-0046	2.2	(J+)	QBT3	2.00-3.50	61	6.1	0	No
Amino-4,6-dinitrotoluene[2-]	2,6 DNT	16-06403	RE16-01-0038	0.945		ALLH	1.60-2.00	61	6.1	0	No
Anthracene		16-06379	RE16-00-0037	0.26	(J)	QBT3	2.00-2.50	16,000	1600	0	No
Aroclor-1254		16-06378	RE16-01-0039	0.041	(J)	ALLH	2.00-2.60	0.22	NA	0	No
Aroclor-1260		16-06378	RE16-01-0039	0.043		ALLH	2.00-2.60	0.22	NA	0	No
Benzoic Acid		16-06419	RE16-00-0042	0.022	(J)	ALLH	0.25-0.75	100,000	10,000	0	No
Bis(2-ethylhexyl)phthalate		16-06405	RE16-00-0040	0.79		ALLH	6.00-6.50	35	NA	0	No
Butanone[2-]		16-06390	RE16-00-0039	0.0075	(J)	ALLH	2.00-2.50	37,000	3700	0	No
Di-n-butylphthalate		16-06409	RE16-00-0045	0.086	(J)	ALLH	0.50-1.00	6100	610	0	No
Dinitrotoluene[2,4-]		16-06405	RE16-00-0040	0.33	(J)	ALLH	6.00-6.50	120	12	0	No
Dinitrotoluene[2,6-]		16-06379	RE16-00-0037	0.066	(J)	QBT3	2.00-2.50	61	6.1	0	No
HMX		16-06409	RE16-00-0045	2000		ALLH	0.50-1.00	3100	310	8	**Yes**
Isopropyltoluene[4-]		16-06390	RE16-00-0039	0.0013	(J)	ALLH	2.00-2.50	370	37	0	No

Table K-1 (Revised) (concluded)

Analyte	Surrogate Compound[a]	Location ID	Sample ID	Maximum Concentration (mg/kg)	Data Qualifier	Media Code[b]	Sample Depth (ft)	SAL (mg/kg)	0.1 SAL[c] (mg/kg)	Number of Detected Values Above Screening	Chemical Retained as a COPC?
Methylene Chloride		16-06385	RE16-00-0036	0.0013	(J)	ALLH	0.00-0.50	6.5	NA	0	No
Naphthalene		16-06416	RE16-00-0041	0.052	(J)	ALLH	0.00-0.50	53	5.3	0	No
RDX		16-06379	RE16-00-0037	1200		QBT3	2.00-2.50	4.4	NA	10	**Yes**
Tetryl		16-06402	RE16-00-0046	0.98	(J+)	QBT3	2.00-3.50	610	61	0	No
Toluene		16-06390	RE16-00-0039	0.0019	(J)	ALLH	2.00-2.50	180	18	0	No
Trichlorobenzene[1,2,4-]		16-06405	RE16-00-0040	0.4	(J)	ALLH	6.00-6.50	520	52	0	No
Trichlorofluoromethane		16-06388	RE16-00-0035	0.018		ALLH	0.00-0.50	390	39	0	No
Trinitrobenzene[1,3,5-]		16-06403	RE16-01-0038	0.216		ALLH	1.60-2.00	1800	180	0	No
TNT		16-06379	RE16-00-0037	330		QBT3	2.00-2.50	3.1	NA	8	**Yes**

The hierarchy of the sources for the SALs is:
NMED 2000, 68554.
EPA 2002, 76866.
EPA 2002, 76867.
[a]No screening value is available. Screening level for surrogate compound shown is used.
[b]Medium code definitions are as follows: ALLH = All soil types QBT3 = Unit 3 of the Tshirege member of the Bandelier tuff.
[c]Adjusted screening level = 1/10th of the screening level for noncarcinogens.
NA = Analyte is a carcinogen and therefore 1/10th of the screening action level is not used.
(J) = The analyte was positively identified, and the associated numerical value is estimated to be more uncertain than would normally be expected for this analysis.
(J-) = The analyte was positively identified, and the result is likely to be biased low.
(J+) = The analyte was positively identified, and the result is likely to be biased high.
(UJ) = The analyte was not positively identified in the sample and the associated value is an estimate of the sample specific detection limit.

Table K-3 (Revised)
Comparison of Chemical Concentrations versus SALs for Sediment at the Cañon de Valle, SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical Name	Number of Detections	Number of Nondetections	Sample Value (mg/kg)		Location ID	Sample ID	SAL (mg/kg)	0.1 SAL[a] (mg/kg)	Number of Detections Above Screening Limit	Number of Nondetections Above Screening Limit	Chemical Retained as a COPC?
Acetone	1	10	Max. Detected Value	0.048 (J)	16-02682	0316-97-0470	1600	160	0	0	No
			Max. Undetected Value	0.072 (U)	16-01002	AAB1610					
Aluminum[b]	89	0	Max. Detected Value	21,710	16-06710	RE16-02-45989	74,000	7400	22	na	**Yes**
Amino-2,6-dinitrotoluene[4-]	33	32	Max. Detected Value	1.6	16-06127	RE16-99-0097	61	6.1	0	0	No
			Max. Undetected Value	5 (U)	16-06125	RE16-99-0093					
Amino-4,6-dinitrotoluene[2-]	26	39	Max. Detected Value	1.3	16-06127	RE16-99-0097	61	6.1	0	0	No
			Max. Undetected Value	5 (U)	16-06125	RE16-99-0093					
Amino-x,6-dinitrotoluene[x-]	3	15	Max. Detected Value	0.79	16-02685	0316-97-0473	61	6.1	0	0	No
			Max. Undetected Value	2.5 (U)	16-02687	0316-97-0475					
Antimony[c]	12	77	Max. Detected Value	2.6 (J)	16-06133	RE16-99-0107	30	3	0	12	**Yes**
			Max. Undetected Value	22 (U)	16-02671	0316-97-0441					
Arsenic[c]	67	21	Max. Detected Value	4.2 (J-)	16-02671	0316-97-0441	0.39	---	67	21	**Yes**
			Max. Undetected Value	4.7 (U)	16-02778	0816-96-0090					

Table K-3 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Sample Value (mg/kg)		Location ID	Sample ID	SAL (mg/kg)	0.1 SAL[a] (mg/kg)	Number of Detections Above Screening Limit	Number of Nondetections Above Screening Limit	Chemical Retained as a COPC?
Barium[c]	89	0	Max. Detected Value	40,300 (J)	16-02757	0816-96-0068	5200	520	68	na	**Yes**
Benzo(a)pyrene[b]	1	42	Max. Detected Value	0.258	16-02762	RE16-02-46399	0.062	---	0	34	**Yes**
			Max. Undetected Value	1.4 (U)	16-02761	0816-96-0072					
Benzoic Acid	5	38	Max. Detected Value	0.904 (J)	16-02762	RE16-02-46399	100,000	10,000	0	0	No
			Max. Undetected Value	13 (U)	16-02757	0816-96-0068					
Beryllium	30	59	Max. Detected Value	1.3 (J)	16-06125	RE16-99-0094	150	15	0	0	No
			Max. Undetected Value	1.1 (U)	16-02778	0816-96-0090					
Bis(2-ethylhexyl) phthalate	12	31	Max. Detected Value	0.74 (J)	16-02778	0816-96-0090	35	---	0	0	No
			Max. Undetected Value	1.4 (U)	16-02761	0816-96-0072					
Boron	17	27	Max. Detected Value	10.6 (J)	16-06124	RE16-99-0092	5500	550	0	0	No
			Max. Undetected Value	7.18 (U)	16-02766	RE16-02-46400					
Cadmium	25	64	Max. Detected Value	1.98	16-02777	RE16-02-46404	70	7	0	0	No
			Max. Undetected Value	0.718 (U)	16-02766	RE16-02-46400					
Cesium-137[d]	8	13	Max. Detected Value	0.421	16-02763	0816-96-0074	5.3	---	na	na	No
			Max. Undetected Value	0.07 (U)	16-02758	0816-96-0069					

Table K-3 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Sample Value (mg/kg)		Location ID	Sample ID	SAL (mg/kg)	0.1 SAL[a] (mg/kg)	Number of Detections Above Screening Limit	Number of Nondetections Above Screening Limit	Chemical Retained as a COPC?
Chromium[c]	87	2	Max. Detected Value	33.1	16-06133	RE16-99-0107	210	---	2	0	**Yes**
			Max. Undetected Value	3.6 (U)	16-02672	0316-97-0442					
Cobalt	86	2	Max. Detected Value	23.9	16-02687	0316-97-0475	4500	450	0	0	No
			Max. Undetected Value	1.4 (U)	16-02681	0316-97-0459					
Copper	86	2	Max. Detected Value	232	16-02777	RE16-02-46404	2800	280	0	0	No
			Max. Undetected Value	6 (U)	16-02672	0316-97-0442					
Cyanide (total)	2	36	Max. Detected Value	1.9 (J-)	16-02670	0316-97-0440	1200	120	0	0	No
			Max. Undetected Value	2.1 (UJ)	16-02771	0816-96-0083					
Dichlorodifluoromethane	3	8	Max. Detected Value	0.005 (J)	16-02687	0316-97-0475	90	9	0	0	No
			Max. Undetected Value	0.026 (U)	16-01002	AAB1610					
Diethylphthalate	4	39	Max. Detected Value	0.47 (J)	16-02773	0816-96-0085	49,000	4900	0	0	No
			Max. Undetected Value	1.4 (U)	16-02761	0816-96-0072					
Di-n-butylphthalate	21	21	Max. Detected Value	3.9	16-02761	0816-96-0072	6100	610	0	0	No
			Max. Undetected Value	1 (U)	16-02759	0816-96-0070					

Table K-3 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Sample Value (mg/kg)		Location ID	Sample ID	SAL (mg/kg)	0.1 SAL[a] (mg/kg)	Number of Detections Above Screening Limit	Number of Nondetections Above Screening Limit	Chemical Retained as a COPC?
Dinitrobenzene[1,3-][e]	1	88	Max. Detected Value	0.25	16-02680	0316-97-0458	6.1	0.61	0	8	**Yes**
			Max. Undetected Value	5 (U)	16-06125	RE16-99-0093					
Fluoranthene	3	39	Max. Detected Value	0.06 (J)	16-06123	RE16-00-0117	2300	230	0	0	No
			Max. Undetected Value	1.4 (U)	16-02761	0816-96-0072					
Hexachlorobenzene[b]	1	41	Max. Detected Value	0.076 (J)	16-02762	RE16-02-46399	0.3	0.03	1	41	**Yes**
			Max. Undetected Value	1.4 (U)	16-02761	0816-96-0072					
HMX	49	40	Max. Detected Value	290	16-06125	RE16-99-0093	3100	310	0	0	No
			Max. Undetected Value	5.5 (U)	16-01002	AAB1610					
Indeno(1,2,3-cd)pyrene[b]	1	41	Max. Detected Value	0.385	16-02762	RE16-02-46399	0.62	0.062	1	33	**Yes**
			Max. Undetected Value	1.4 (U)	16-02761	0816-96-0072					
Isopropyltoluene[4-]	1	11	Max. Detected Value	0.059	16-02682	0316-97-0470	370	37	0	0	No
			Max. Undetected Value	0.013 (U)	16-01002	AAB1610					
Lead[c]	89	0	Max. Detected Value	163 (J)	16-02770	RE16-02-46402	400	40	20	na	**Yes**
Manganese[c]	88	0	Max. Detected Value	1600	16-01005	AAB1613	7800	780	5	na	**Yes**

Table K-3 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Sample Value (mg/kg)		Location ID	Sample ID	SAL (mg/kg)	0.1 SAL[a] (mg/kg)	Number of Detections Above Screening Limit	Number of Nondetections Above Screening Limit	Chemical Retained as a COPC?
Mercury	54	35	Max. Detected Value	0.39	16-02771	0816-96-0083	23	2.3	0	0	No
			Max. Undetected Value	0.22 (U)	16-02671	0316-97-0441					
Nickel	85	4	Max. Detected Value	67.5 (J-)	16-02756	0816-96-0067	1500	150	0	0	No
			Max. Undetected Value	2.8 (U)	16-02681	0316-97-0459					
Nitrate - Nitrite (as N)	5	15	Max. Detected Value	7.7	16-02756	0816-96-0067	6100	610	0	0	No
			Max. Undetected Value	0.5 (U)	16-02765	0816-96-0076					
Nitrobenzene[c]	3	119	Max. Detected Value	0.25	16-02680	0316-97-0458	17	1.7	0	1	**Yes**
			Max. Undetected Value	5.2 (U)	16-06125	RE16-99-0093					
Pyrene	4	38	Max. Detected Value	0.07 (J)	16-02762	RE16-02-46399	1800	180	0	0	No
			Max. Undetected Value	1.4 (U)	16-02761	0816-96-0072					
RDX[c]	38	51	Max. Detected Value	42	16-02687	0316-97-0475	4.4	---	4	1	**Yes**
			Max. Undetected Value	20 (U)	16-06125	RE16-99-0093					
Selenium	21	68	Max. Detected Value	3	16-01002	AAB1610	380	38	0	0	No
			Max. Undetected Value	2.2 (UJ)	16-02671	0316-97-0441					

Table K-3 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Sample Value (mg/kg)		Location ID	Sample ID	SAL (mg/kg)	0.1 SAL[a] (mg/kg)	Number of Detections Above Screening Limit	Number of Nondetections Above Screening Limit	Chemical Retained as a COPC?
Silver[c]	64	25	Max. Detected Value	167	16-06709	RE16-01-3275	380	38	3	0	**Yes**
			Max. Undetected Value	4.4 (U)	16-02671	0316-97-0441					
Thallium[c]	23	66	Max. Detected Value	3.6	16-02760	0816-96-0071	6.1	0.61	8	49	**Yes**
			Max. Undetected Value	1.4 (U)	16-06131	RE16-99-0104					
Toluene	4	8	Max. Detected Value	0.036 (J)	16-02687	0316-97-0475	180	18	0	0	No
			Max. Undetected Value	0.013 (U)	16-01002	AAB1610					
Trichloro-1,2,2-trifluoroethane[1,1,2-]	1	11	Max. Detected Value	0.003 (J)	16-02685	0316-97-0473	5600	560	0	0	No
			Max. Undetected Value	0.013 (U)	16-01002	AAB1610					
Trichlorofluoromethane	2	10	Max. Detected Value	0.003 (J)	16-02683	0316-97-0471	390	39	0	0	No
			Max. Undetected Value	0.026 (U)	16-01002	AAB1610					
TNT[c]	27	62	Max. Detected Value	1.1	16-02683	0316-97-0471	3.1	---	0	1	**Yes**
			Max. Undetected Value	5 (U)	16-06125	RE16-99-0093					
Uranium[e]	21	0	Max. Detected Value	3.91 (J-)	16-02778	0816-96-0090	16	1.6	17	na	**Yes**
Vanadium	89	0	Max. Detected Value	33.7	16-06710	RE16-02-45989	530	53	0	na	No
Zinc	89	0	Max. Detected Value	259	16-06133	RE16-99-0107	23,000	2300	0	na	No

Table K-3 (Revised) (concluded)

The hierarchy of the sources for the SALs is:

NMED 2000, 68554.
EPA 2002, 76867.
EPA 2002, 76866.
LANL 1998, 59891.
LANL 2001, 69683.1.

--- = Chemical is a carcinogen, therefore 0.1 SAL is not used.

[a] Adjusted screening level = 1/10th of the screening level for noncarcinogens.

[b] COPC was detected in Post-1998 data only.

[c] COPC was detected in both Pre-and Post-1998 data.

[d] Analyte is radionuclide and all values are in pCi/g.

[e] COPC was detected in Pre-1998 data only.

(J) = The chemical is classified as "detected," but the reported concentration value is expected to be more uncertain than usual.

(J-) = The chemical is classified as "detected," but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.

(U) = The chemical is classified as "undetected" or "not detected."

(UJ) = The chemical is classified as "undetected" with an expectation that the reported result is more uncertain than usual.

Table K-4 (Revised)
Comparison of Chemical Concentrations versus Water Quality Criteria for Surface Water at the Cañon de Valle, SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	Region 6 Tap Water Screening Level (µg/L)	Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQC Standard[a] (µg/L)	EPA MCL (µg/L)	Chemical Retained as a COPC?
Acetone	3	3	Filtered	Max. Detected Value	25		16-02653	RE16-98-3018	WS	33,000	610	na	na	na	na	No
				Max. Undetected Value	26	(U)	16-02651	0316-97-3187	WGS							
	17	75	Unfiltered	Max. Detected Value	78		16-02651	RE16-98-3065	WGS							
				Max. Undetected Value	39	(U)	16-02688	0316-97-3032	WS							
Aluminum[b]	86	54	Filtered	Max. Detected Value	4310		16-06121	RE16-01-3141	WS	37,000	36,000	na	750	5000	50	**No**
				Max. Undetected Value	1500	(U)	16-02675	0316-97-0455	WS							
	163	16	Unfiltered	Max. Detected Value	22,700		16-02653	RE16-01-3231	WS							
				Max. Undetected Value	11,000	(U)	16-02675	0316-97-0465	WS							
Americium-241	2	2	Filtered	Max. Detected Value	5.49		16-01001	AAB1597	WS	na	na	na	na	na	15	Yes
				Max. Undetected Value	19.4	(U)	16-01003	AAB1599	WS							
	3	24	Unfiltered	Max. Detected Value	4.22		16-01001	AAB1603	WS							
				Max. Undetected Value	14.6	(U)	16-02762	0816-96-0096	WS							
Amino-2,6-dinitrotoluene[4-][b]	13	6	Filtered	Max. Detected Value	8.3		16-05923	RE16-98-3106	WS	37	36	na	na	na	na	Yes
				Max. Undetected Value	2.5	(U)	16-02651	0316-97-3109	WGS							
	91	50	Unfiltered	Max. Detected Value	53.2	(J-)	16-02759	0816-96-0093	WS							
				Max. Undetected Value	5	(U)	16-02651	RE16-00-3284	WGS							
Amino-4,6-dinitrotoluene[2-][b]	13	6	Filtered	Max. Detected Value	9.5		16-05923	RE16-98-3106	WS	37	36	na	na	na	na	Yes
				Max. Undetected Value	2.5	(U)	16-02651	0316-97-3109	WGS							
	89	53	Unfiltered	Max. Detected Value	43.2	(J-)	16-02759	0816-96-0093	WS							
				Max. Undetected Value	5	(U)	16-02651	RE16-00-3284	WGS							

Table K-4 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	Region 6 Tap Water Screening Level (µg/L)	Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQC Standard[a] (µg/L)	EPA MCL (µg/L)	Chemical Retained as a COPC?
Amino-x,6-dinitrotoluene[x-]	4	5	Filtered	Max. Detected Value	4.9		16-02671	0316-97-0451	WS	37	36	na	na	na	na	No
				Max. Undetected Value	3.9	(U)	16-02651	0316-97-3187	WGS							
	13	13	Unfiltered	Max. Detected Value	9.4		16-02653	RE16-00-3207	WS							
				Max. Undetected Value	3.9	(U)	16-02652	0316-97-3190	WGS							
Antimony[b]	28	108	Filtered	Max. Detected Value	6.4	(J)	16-05929	RE16-99-3075	WS	15	15	4300	na	na	6	Yes
				Max. Undetected Value	33	(U)	16-05926	RE16-98-3112	WS							
	15	160	Unfiltered	Max. Detected Value	3.5	(J)	16-02653	RE16-00-3150	WS							
				Max. Undetected Value	50	(U)	16-02652	0316-96-3000	WGS							
Arsenic[c]	26	113	Filtered	Max. Detected Value	30		16-02652	0316-97-3105	WGS	0.045	0.045	24.2	340	100	10	Yes
				Max. Undetected Value	15	(U)	16-01005	AAB1601	WS							
	38	140	Unfiltered	Max. Detected Value	27		16-02651	0316-97-3108	WGS							
				Max. Undetected Value	10	(U)	16-02670	0316-97-0460	WS							
Barium[b]	137	0	Filtered	Max. Detected Value	12,900	(J+)	16-05993	RE16-01-3073	WS	2600	2600	na	na	1000	2000	Yes
	176	0	Unfiltered	Max. Detected Value	16,300		16-05993	RE16-01-3072	WS							
Beryllium	6	134	Filtered	Max. Detected Value	4		16-02675	0316-97-0455	WS	73	73	na	130	na	4	No
				Max. Undetected Value	4	(U)	16-02653	RE16-00-3132	WS							
	27	152	Unfiltered	Max. Detected Value	1.4	(J)	16-02651	RE16-01-3184	WGS							
				Max. Undetected Value	4	(U)	16-02653	RE16-00-3131	WS							
Bis(2-ethylhexyl)phthalate[b]	0	18	Filtered	Max. Undetected Value	10	(U)	16-02653	RE16-98-3018	WS	4.80	4.80	59.0	na	na	6	Yes
	4	55	Unfiltered	Max. Detected Value	13		16-02769	0816-96-0104	WS							
				Max. Undetected Value	11	(U)	16-02652	RE16-99-3197	WGS							

Table K-4 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	Region 6 Tap Water Screening Level (µg/L)	Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQC Standard[a] (µg/L)	EPA MCL (µg/L)	Chemical Retained as a COPC?
Boron	82	33	Filtered	Max. Detected Value	102	(J)	16-02651	RE16-01-3121	WGS	3300	7300	na	na	750	na	No
				Max. Undetected Value	500	(U)	16-02653	RE16-00-3132	WS							
	84	38	Unfiltered	Max. Detected Value	210		16-02652	RE16-00-3010	WGS							
				Max. Undetected Value	500	(U)	16-02653	RE16-00-3131	WS							
Bromomethane	0	6	Filtered	Max. Undetected Value	10	(U)	16-02653	RE16-98-3018	WS	8.70	8.70	na	na	na	na	Yes
	1	91	Unfiltered	Max. Detected Value	4	(J)	16-02652	0316-96-3000	WGS							
				Max. Undetected Value	10	(U)	16-02653	RE16-00-3131	WS							
Butanone[2-]	0	6	Filtered	Max. Undetected Value	20	(U)	16-02653	RE16-98-3018	WS	7100	1900	na	na	na	na	No
	6	86	Unfiltered	Max. Detected Value	8.1	(J)	16-02652	RE16-98-3073	WGS							
				Max. Undetected Value	20	(U)	16-02653	RE16-98-3019	WS							
Cadmium[b]	23	117	Filtered	Max. Detected Value	3.6	(J)	16-02747	0816-96-0045	WS	18	18	na	1740[d]	10	5	**No**
				Max. Undetected Value	5	(U)	16-05995	RE16-00-3316	WS							
	28	151	Unfiltered	Max. Detected Value	5.2	(J)	16-02747	0816-96-0047	WS							
				Max. Undetected Value	5	(U)	16-02652	RE16-98-3043	WGS							
Cesium	1	2	Filtered	Max. Detected Value	800		16-02653	RE16-98-3018	WS	na	na	na	na	na	na	Yes
				Max. Undetected Value	500	(U)	16-02651	RE16-98-3014	WGS							
	1	2	Unfiltered	Max. Detected Value	700		16-02653	RE16-98-3019	WS							
				Max. Undetected Value	500	(U)	16-02652	RE16-98-3017	WGS							
Cesium-137	2	2	Filtered	Max. Detected Value	1.88		16-01004	AAB1600	WS	na	na	na	na	na	200	No
				Max. Undetected Value	5.3	(U)	16-01003	AAB1599	WS							
	3	24	Unfiltered	Max. Detected Value	-0.551		16-01006	AAB1608	WS							
				Max. Undetected Value	3.75	(U)	16-02770	0816-96-0105	WS							

Table K-4 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	Region 6 Tap Water Screening Level (µg/L)	Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQC Standard[a] (µg/L)	EPA MCL (µg/L)	Chemical Retained as a COPC?
Chloromethane[e]	0	6	Filtered	Max. Undetected Value	10	(U)	16-02653	RE16-98-3018	WS	1.50	1.50	na	na	na	na	Yes
	3	89	Unfiltered	Max. Detected Value	30		16-02652	0316-96-3000	WGS							
				Max. Undetected Value	10	(U)	16-02653	RE16-00-3207	WS							
Chromium	69	71	Filtered	Max. Detected Value	34.6		16-02653	RE16-00-3207	WS	110	110	na	130,000[d]	50	100	**No**
				Max. Undetected Value	70	(U)	16-01002	AAB1598	WS							
	94	87	Unfiltered	Max. Detected Value	4.3		16-01003	AAB1599	WS							
				Max. Undetected Value	70	(U)	16-01003	AAB1605	WS							
Cobalt	53	87	Filtered	Max. Detected Value	7.8	(J)	16-05926	RE16-98-3112	WS	730	730	na	na	50	na	No
				Max. Undetected Value	20	(U)	16-02653	RE16-00-3132	WS							
	47	132	Unfiltered	Max. Detected Value	10.7		16-02651	RE16-00-3203	WGS							
				Max. Undetected Value	20	(U)	16-02653	RE16-00-3131	WS							
Cobalt-60	2	2	Filtered	Max. Detected Value	0.447		16-01004	AAB1600	WS	na	na	na	na	na	100	No
				Max. Undetected Value	5.679	(U)	16-01003	AAB1599	WS							
	3	24	Unfiltered	Max. Detected Value	1.71		16-01006	AAB1608	WS							
				Max. Undetected Value	3.43	(U)	16-02773	0816-96-0108	WS							
Copper	37	103	Filtered	Max. Detected Value	75.3		16-05996	RE16-01-3250	WS	1400	1500	na	6960[d]	500	1000	No
				Max. Undetected Value	20	(U)	16-02652	RE16-98-3042	WGS							
	66	113	Unfiltered	Max. Detected Value	61.5		16-05993	RE16-01-3072	WS							
				Max. Undetected Value	20	(U)	16-02652	RE16-98-3043	WGS							
Cyanide (total)[c]	1	11	Filtered	Max. Detected Value	10		16-02652	0316-97-3189	WGS	6.20[f]	6.20[f]	na	22.0	5.2	200	Yes
				Max. Undetected Value	10	(U)	16-02653	RE16-98-3018	WS							
	1	36	Unfiltered	Max. Detected Value	3.2	(J)	16-02651	RE16-98-3041	WGS							
				Max. Undetected Value	14	(U)	16-02769	0816-96-0104	WS							

Table K-4 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	Region 6 Tap Water Screening Level (µg/L)	Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQC Standard[a] (µg/L)	EPA MCL (µg/L)	Chemical Retained as a COPC?
Dichloroethane[1,2-][e]	0	6	Filtered	Max. Undetected Value	5	(U)	16-02653	RE16-98-3018	WS	0.12	0.12	990	na	10	5	Yes
	5	87	Unfiltered	Max. Detected Value	7		16-02688	0316-97-3032	WS							
				Max. Undetected Value	5	(U)	16-02653	RE16-99-3199	WS							
Dinitrobenzene[1,3-]	0	34	Filtered	Max. Undetected Value	20	(U)	16-01005	AAB1601	WS	3.70	3.60	na	na	na	na	Yes
	2	150	Unfiltered	Max. Detected Value	0.2		16-02675	0316-97-0465	WS							
				Max. Undetected Value	20	(U)	16-01006	AAB1608	WS							
Dinitrotoluene[2,4-]	2	38	Filtered	Max. Detected Value	0.042		16-02651	0316-97-3020	WGS	73.0	73.0	91.0	na	na	na	No
				Max. Undetected Value	10	(U)	16-02653	RE16-98-3018	WS							
	25	201	Unfiltered	Max. Detected Value	0.324	(J-)	16-02758	0816-96-0092	WS							
				Max. Undetected Value	29	(U)	16-01004	AAB1606	WS							
Dinitrotoluene[2,6-]	0	40	Filtered	Max. Undetected Value	10	(U)	16-02653	RE16-98-3018	WS	37.0	36.0	na	na	na	na	Yes
	2	203	Unfiltered	Max. Detected Value	1	(J)	16-02747	0816-96-0047	WS							
				Max. Undetected Value	47	(U)	16-01002	AAB1604	WS							
DNX[c]	8	11	Unfiltered	Max. Detected Value	1.3	(J-)	16-05923	RE16-01-3251	WS	0.61	0.61	na	na	na	na	Yes
				Max. Undetected Value	0.5	(U)	16-02653	RE16-01-3231	WS							
Europium-152	2	0	Filtered	Max. Detected Value	-0.714		16-01001	AAB1597	WS	na	na	na	na	na	200	No
	3	24	Unfiltered	Max. Detected Value	4.36		16-01006	AAB1608	WS							
				Max. Undetected Value	10.2	(U)	16-02767	0816-96-0101	WS							
HMX	20	14	Filtered	Max. Detected Value	43		16-05926	RE16-98-3112	WS	1800	1800	na	na	na	na	No
				Max. Undetected Value	65	(U)	16-01005	AAB1601	WS							
	145	29	Unfiltered	Max. Detected Value	160	(J-)	16-02747	0816-96-0047	WS							
				Max. Undetected Value	65	(U)	16-01002	AAB1604	WS							

Table K-4 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	Region 6 Tap Water Screening Level (µg/L)	Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQC Standard[a] (µg/L)	EPA MCL (µg/L)	Chemical Retained as a COPC?
Iron	86	54	Filtered	Max. Detected Value	2580	(J-)	16-06121	RE16-01-3141	WS	11,000	11,000	na	na	1000	300	**Yes**
				Max. Undetected Value	4200	(U)	16-02675	0316-97-0455	WS							
	153	26	Unfiltered	Max. Detected Value	12,500		16-02653	RE16-01-3231	WS							
				Max. Undetected Value	12,000	(U)	16-02675	0316-97-0465	WS							
Lead[b]	28	112	Filtered	Max. Detected Value	5.04		16-02652	RE16-00-3233	WGS	15	na	na	-66,600[d,g]	50	15	Yes
				Max. Undetected Value	16	(U)	16-01006	AAB1602	WS							
	67	112	Unfiltered	Max. Detected Value	24.1		16-05993	RE16-01-3072	WS							
				Max. Undetected Value	4.2	(U)	16-05923	RE16-98-3107	WS							
Lithium	8	0	Filtered	Max. Detected Value	7.5	(J)	16-02651	RE16-98-3040	WGS	730	730	na	na	na	na	No
	8	0	Unfiltered	Max. Detected Value	8.9	(J)	16-02653	RE16-98-3019	WS							
Manganese[b]	110	30	Filtered	Max. Detected Value	1800	(J)	16-02675	0316-97-0455	WS	1700	880	na	na	200	50	Yes
				Max. Undetected Value	200	(U)	16-01002	AAB1598	WS							
	149	30	Unfiltered	Max. Detected Value	2200	(J)	16-02675	0316-97-0465	WS							
				Max. Undetected Value	200	(U)	16-01002	AAB1604	WS							
Mercury[b]	5	132	Filtered	Max. Detected Value	0.76		16-02652	RE16-01-3187	WGS	11	11	0.012	2.4	0.77	2	**No**
				Max. Undetected Value	0.2	(U)	16-05997	RE16-02-45222	WS							
	8	171	Unfiltered	Max. Detected Value	1		16-02652	RE16-01-3186	WGS							
				Max. Undetected Value	1	(U)	16-05929	RE16-01-3080	WS							
Methylene Chloride[e]	0	6	Filtered	Max. Undetected Value	5	(U)	16-02653	RE16-98-3018	WS	4.30	4.30	16,000	na	100	5	Yes
	1	91	Unfiltered	Max. Detected Value	6		16-02766	0816-96-0100	WS							
				Max. Undetected Value	38	(U)	16-02653	RE16-00-3207	WS							
MNX[c]	9	10	Unfiltered	Max. Detected Value	0.97	(J-)	16-05923	RE16-01-3251	WS	0.61	0.61	na	na	na	na	Yes
				Max. Undetected Value	0.5	(U)	16-05996	RE16-02-45959	WS							

Table K-4 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	Region 6 Tap Water Screening Level (µg/L)	Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQC Standard[a] (µg/L)	EPA MCL (µg/L)	Chemical Retained as a COPC?
Molybdenum	0	8	Filtered	Max. Undetected Value	4.9	(U)	16-02653	RE16-98-3044	WS	180	180	na	na	1000	na	No
	2	8	Unfiltered	Max. Detected Value	1.3		16-06709	RE16-02-45984	WS							
				Max. Undetected Value	4.9	(U)	16-02653	RE16-98-3045	WS							
Naphthalene	0	18	Filtered	Max. Undetected Value	10	(U)	16-02651	0316-97-3109	WGS	6.20	6.20	na	na	30	na	**Yes**
	1	104	Unfiltered	Max. Detected Value	0.7	(J)	16-02653	RE16-99-3046	WS							
				Max. Undetected Value	18	(U)	16-02688	0316-97-3032	WS							
Nickel	58	82	Filtered	Max. Detected Value	40		16-02675	0316-97-0455	WS	730	730	4600	128,000[d]	200	na	No
				Max. Undetected Value	49.6	(U)	16-02747	0816-96-0045	WS							
	101	78	Unfiltered	Max. Detected Value	18.6		16-02651	RE16-00-3203	WGS							
				Max. Undetected Value	40	(U)	16-02653	RE16-00-3131	WS							
Nitrate	6	4	Filtered	Max. Detected Value	1100		16-02652	RE16-98-3066	WGS	10,000	10,000	na	na	10,000	10,000	No
				Max. Undetected Value	50	(U)	16-02671	0316-97-0451	WS							
	16	8	Unfiltered	Max. Detected Value	1230		16-02652	RE16-01-3021	WGS							
				Max. Undetected Value	200	(U)	16-02653	RE16-99-3046	WS							
Nitrate + Nitrite	7	6	Filtered	Max. Detected Value	1500		16-02651	0316-973187	WGS	na	na	na	na	10,000	na	Yes
				Max. Undetected Value	500	(U)	16-02653	RE16-98-3044	WS							
	94	31	Unfiltered	Max. Detected Value	3,380,000		16-02651	RE16-013136	WGS							
				Max. Undetected Value	1110	(U)	16-05994	RE16-00-3313	WS							
Nitrite (as NO2)	1	1	Filtered	Max. Detected Value	710		16-02670	0316-97-0450	WS	na	na	na	na	na	1000	No
				Max. Undetected Value	50	(U)	16-02671	0316-97-0451	WS							
	1	1	Unfiltered	Max. Detected Value	810		16-02670	0316-97-0460	WS							
				Max. Undetected Value	50	(U)	16-02671	0316-97-0461	WS							

Table K-4 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	Region 6 Tap Water Screening Level (µg/L)	Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQC Standard[a] (µg/L)	EPA MCL (µg/L)	Chemical Retained as a COPC?
Nitrobenzene	1	39	Filtered	Max. Detected Value	0.5		16-02675	0316-97-0455	WS	3.40	3.40	1900	na	na	na	Yes
				Max. Undetected Value	10	(U)	16-02653	RE16-98-3018	WS							
	3	202	Unfiltered	Max. Detected Value	0.61	(J)	16-02652	RE16-99-3250	WGS							
				Max. Undetected Value	100	(U)	16-02651	RE16-00-3284	WGS							
Nitrotoluene[2-]	0	34	Filtered	Max. Undetected Value	60	(U)	16-01004	AAB1600	WS	1400	61	na	na	na	na	No
	21	149	Unfiltered	Max. Detected Value	2.28	(J-)	16-02758	0816-96-0092	WS							
				Max. Undetected Value	60	(U)	16-01002	AAB1604	WS							
Nitrotoluene[3-]	1	33	Filtered	Max. Detected Value	0.111		16-02651	0316-97-3020	WGS	120	61	na	na	na	na	**No**
			Filtered	Max. Undetected Value	40	(U)	16-01004	AAB1600	WS							
	1	150	Unfiltered	Max. Detected Value	0.78		16-02675	0316-97-0465	WS							
			Unfiltered	Max. Undetected Value	100	(U)	16-02651	RE16-00-3284	WGS							
Nitrotoluene[4-]	0	34	Filtered	Max. Undetected Value	43	(U)	16-01006	AAB1602	WS	4.00	61	na	na	na	na	Yes
	1	150	Unfiltered	Max. Detected Value	2.3		16-02675	0316-97-0465	WS							
				Max. Undetected Value	100	(U)	16-02651	RE16-00-3284	WGS							
Perchlorate[c]	7	78	Unfiltered	Max. Detected Value	17.1		16-02651	RE16-00-3147	WGS	3.70	3.60	na	na	4	na	Yes
				Max. Undetected Value	20	(U)	16-02653	RE16-00-3150	WS							
RDX[b]	26	8	Filtered	Max. Detected Value	100		16-05923	RE16-98-3106	WS	0.61	0.61	na	na	na	na	Yes
				Max. Undetected Value	170	(U)	16-01003	AAB1599	WS							
	159	15	Unfiltered	Max. Detected Value	818	(J-)	16-02759	0816-96-0093	WS							
				Max. Undetected Value	196	(U)	16-01003	AAB1605	WS							

Table K-4 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	Region 6 Tap Water Screening Level (µg/L)	Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQC Standard[a] (µg/L)	EPA MCL (µg/L)	Chemical Retained as a COPC?
Rubidium	1	2	Filtered	Max. Detected Value	700		16-02651	RE16-98-3014	WGS	na	na	na	na	na	na	Yes
				Max. Undetected Value	500	(U)	16-02653	RE16-98-3018	WS							
	1	2	Unfiltered	Max. Detected Value	600		16-02652	RE16-98-3017	WGS							
				Max. Undetected Value	500	(U)	16-02653	RE16-98-3019	WS							
Ruthenium-106[e]	2	3	Filtered	Max. Detected Value	32.2		16-01001	AAB1597	WS	na	na	na	na	na	30	Yes
				Max. Undetected Value	369.7	(U)	16-01003	AAB1599	WS							
	3	24	Unfiltered	Max. Detected Value	-9.35		16-01006	AAB1608	WS							
				Max. Undetected Value	66	(U)	16-02770	0816-96-0105	WS							
Selenium[c]	35	105	Filtered	Max. Detected Value	4.1	(J)	16-02653	RE16-00-3151	WS	180	180	11,000	20.0	5	50	**No**
				Max. Undetected Value	34	(U)	16-01005	AAB1601	WS							
	34	144	Unfiltered	Max. Detected Value	10		16-02652	RE16-98-3073	WGS							
				Max. Undetected Value	5	(U)	16-05927	RE16-02-45948	WS							
Silver[c]	11	129	Filtered	Max. Detected Value	1.8	(J)	16-02651	RE16-00-3249	WGS	180	180	na	311,000[d]	50	100	**No**
				Max. Undetected Value	40	(U)	16-01004	AAB1600	WS							
	31	147	Unfiltered	Max. Detected Value	61.6		16-02653	RE16-01-3231	WS							
				Max. Undetected Value	40	(U)	16-01005	AAB1607	WS							
Sodium-22	2	2	Filtered	Max. Detected Value	1.3		16-01001	AAB1597	WS	na	na	na	na	na	400	No
				Max. Undetected Value	5.947	(U)	16-01003	AAB1599	WS							
	3	24	Unfiltered	Max. Detected Value	1.61		16-01006	AAB1608	WS							
				Max. Undetected Value	5.39	(U)	16-02768	0816-96-0102	WS							
Strontium	8	0	Filtered	Max. Detected Value	126		16-02653	RE16-98-3018	WS	22,000	22,000	na	na	na	na	No
	8	0	Unfiltered	Max. Detected Value	133		16-02653	RE16-98-3019	WS							

Table K-4 (Revised) (continued)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	Region 6 Tap Water Screening Level (µg/L)	Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQC Standard[a] (µg/L)	EPA MCL (µg/L)	Chemical Retained as a COPC?
Sulfate	23	0	Filtered	Max. Detected Value	13,000		16-02651	0316-97-3109	WGS	na	na	na	na	600,000	250,000	No
	120	0	Unfiltered	Max. Detected Value	23,000		16-06121	RE16-01-3140	WS							
Tetrachloroethene	0	6	Filtered	Max. Undetected Value	5	(U)	16-02653	RE16-98-3018	WS	0.10	0.66	88.5	na	20	5	**Yes**
	22	70	Unfiltered	Max. Detected Value	3.9	(J)	16-02652	RE16-00-3286	WGS							
				Max. Undetected Value	5	(U)	16-02653	RE16-98-3019	WS							
Thallium[b]	27	113	Filtered	Max. Detected Value	2.9	(J)	16-02747	0816-96-0045	WS	2.90	2.4	6.3	na	na	2	Yes
				Max. Undetected Value	68	(U)	16-01006	AAB1602	WS							
	33	146	Unfiltered	Max. Detected Value	7.4	(J)	16-02767	0816-96-0101	WS							
				Max. Undetected Value	5	(U)	16-06710	RE16-01-3276	WS							
Hexahydro-1,3,5-trinitroso-1,3,5-triazine (TNX)	7	12	Unfiltered	Max. Detected Value	0.58	(J-)	16-05923	RE16-01-3251	WS	0.61	0.61	na	na	na	na	No
				Max. Undetected Value	0.5	(U)	16-05998	RE16-02-45225	WS							
Trichloroethene	0	6	Filtered	Max. Undetected Value	5	(U)	16-02653	RE16-98-3018	WS	0.028	0.028	810	na	100	5	**Yes**
	29	63	Unfiltered	Max. Detected Value	3.7	(J)	16-02652	RE16-00-3286	WGS							
				Max. Undetected Value	5	(U)	16-02653	RE16-98-3019	WS							
Trinitrobenzene[1,3,5-]	6	28	Filtered	Max. Detected Value	0.792		16-02652	RE16-98-3016	WGS	1100	1100	na	na	na	na	No
				Max. Undetected Value	37	(U)	16-01002	AAB1598	WS							
	33	120	Unfiltered	Max. Detected Value	1.8		16-02652	RE16-01-3122	WGS							
				Max. Undetected Value	37	(U)	16-01003	AAB1605	WS							
TNT[b]	5	29	Filtered	Max. Detected Value	1.8		16-02675	0316-97-0455	WS	2.2	2.2	na	na	na	na	Yes
				Max. Undetected Value	35	(U)	16-01005	AAB1601	WS							
	31	134	Unfiltered	Max. Detected Value	7.41	(J-)	16-02759	0816-96-0093	WS							
				Max. Undetected Value	35	(U)	16-01001	AAB1603	WS							

Table K-4 (Revised) (concluded)

Chemical Name	Number of Detections	Number of Nondetections	Field Prep	Sample Value (µg/L)			Location ID	Sample ID	Media Code	Region 6 Tap Water Screening Level (µg/L)	Region 9 Tap Water PRG (µg/L)	NMWQCC Human Health SW Standard (µg/L)	NMWQCC Aquatic Life (Acute) SW Standard (µg/L)	NMWQC Standard[a] (µg/L)	EPA MCL (µg/L)	Chemical Retained as a COPC?
Tritium	44	4	Unfiltered	Max. Detected Value	157.76		16-02653	RE16-01-3124	WS	na	na	na	na	20,000	20,000	No
				Max. Undetected Value	110	(U)	16-02652	RE16-98-3067	WGS							
Uranium	0	10	Filtered	Max. Undetected Value	126	(U)	16-02653	RE16-98-3044	WS	na	7.3	na	na	5000	30	Yes
	65	15	Unfiltered	Max. Detected Value	5.62		16-02651	RE16-00-3203	WGS							
				Max. Undetected Value	126	(U)	16-02653	RE16-98-3045	WS							
Uranium-234	1	0	Unfiltered	Max. Detected Value	0.144		36-10030	0236-97-0016	WS	na	na	na	na	na	30	No
Vanadium	98	42	Filtered	Max. Detected Value	20		16-02652	RE16-00-3263	WGS	37	260	na	na	100	na	No
				Max. Undetected Value	10	(U)	16-02653	RE16-00-3132	WS							
	111	68	Unfiltered	Max. Detected Value	27.2		16-02651	RE16-00-3203	WGS							
				Max. Undetected Value	10	(U)	16-02652	RE16-98-3043	WGS							
Zinc	65	74	Filtered	Max. Detected Value	130	(J)	16-02651	0316-97-3109	WGS	11,000	11,000	69,000	32,300[d]	10,000	5000	No
				Max. Undetected Value	20	(U)	16-05927	RE16-00-3267	WS							
	89	90	Unfiltered	Max. Detected Value	100		16-05998	RE16-02-45961	WS							
				Max. Undetected Value	70	(U)	16-02675	0316-97-0465	WS							

[a] The hierarchy of the sources for the toxicity factors is:
20 NMAC 6.2.3103
20 NMAC 6.4.900
EPA 2002, 76871
EPA 2002, 76867
California DHS 2003, 76862.

[b] COPC was detected in both pre- and post-1998 data.
[c] COPC was detected in post-1998 data only.
[d] Denotes calculated using the minimum hardness determined, 76,000 µg/L.
[e] COPC was detected in pre-1998 data only.
[f] Denotes value for hydrogen cyanide was used.
[g] Denotes negative value is an artifact of hardness correction calculation.
(J) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual.
(J+) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential positive bias.
(J-) = The chemical is classified "detected," but the reported concentration value is expected to be more uncertain than usual with a potential negative bias.
(U) = The chemical is classified “undetected” or "not detected."
na = Not applicable.
WGS = Groundwater, springs.
WS = Surface Water.

Table K-5 (Revised)
Source Term and Exposure Point Concentrations of COPCs in Soil at the Source Area
SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

COPC	Soil (mg/kg)[a]		Air (mg/m^3)[b]	
	Mean (CTE)	95% UCL (RME)	Mean (CTE)	95% UCL (RME)
Aluminum	9772	20522	7.43E-06	1.56E-05
Arsenic	3.55	5.48	2.70E-09	4.16E-09
Barium	2960	6864	2.25E-06	5.22E-06
HMX	428	1009	3.25E-07	7.67E-07
Iron	10285	11817	7.82E-06	8.98E-06
Manganese	424	549	3.22E-07	4.17E-07
RDX	157	451	1.19E-07	3.43E-07
Thallium	0.22	0.32	1.67E-10	2.43E-10
TNT	43.6	133	3.31E-08	1.01E-07
Uranium	1.11	1.61	8.43E-10	1.22E-09

a Values represent exposure point concentrations for the ingestion and dermal contact pathways.

b Values estimated by dividing soil concentration by the PEF = 1.316E+09 m^3/kg and represent exposure point concentrations for the inhalation pathway (EPA 2002, 76866).

Table K-6 (Revised)
Source Term and Exposure Point Concentrations of COPCs in Sediment and Surface Water at the Cañon de Valle, SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Sediment (mg/kg)			Air (mg/m^3)[a]		Surface Water (mg/L)		
Chemical (COPC)	Mean (CTE)	95% UCL (RME)	Mean (CTE)	95% UCL (RME)	Chemical (COPC)	Mean (CTE)	95% UCL (RME)
Antimony	1.29	2.33	9.80E-10	1.77E-09	Americium-241[b,c]	0.00334	0.00432
Arsenic	2.19	2.32	1.66E-09	1.76E-09	Amino-2,6-dinitrotoluene[4-]	0.00392	0.00682
Barium	5183	8758	3.94E-06	6.66E-06	Amino-4,6-dinitrotoluene[2-]	0.00351	0.00608
Benzo(a)pyrene	0.32	0.45	2.43E-10	3.42E-10	Arsenic	0.0019	0.00303
Chromium	6.51	8.77	4.95E-09	6.66E-09	Barium	2.065	2.862
Dinitrobenzene[1,3-]	0.14	0.26	1.06E-10	1.98E-10	Bis(2-ethylhexyl)phthalate	0.00473	0.0056
Hexachlorobenzene	0.35	0.44	2.66E-10	3.34E-10	Bromomethane	0.00435	0.00461
Indeno(1,2,3-cd)pyrene	0.32	0.44	2.43E-10	3.34E-10	Cesium	0.4	0.7
Lead	29.1	35	2.21E-08	2.66E-08	Chloromethane	0.00469	0.00613
Manganese	354	467	2.69E-07	3.55E-07	Dichloroethane[1,2-]	0.00233	0.00282
Nitrobenzene	0.21	0.32	1.60E-10	2.43E-10	Dinitro-2-methylphenol[4,6-]	0.0246	0.0285
RDX	1.26	3.38	9.57E-10	2.57E-09	Dinitrobenzene[1,3-]	0.0007	0.0014
Silver	7.85	10.6	5.97E-09	8.05E-09	Dinitrotoluene[2,6-]	0.00196	0.00301
Thallium	0.51	0.75	3.88E-10	5.70E-10	DNX	0.00032	0.00057
TNT	0.2	0.34	1.52E-10	2.58E-10	Iron	1.172	1.659
Uranium	2.07	2.41	1.57E-09	1.83E-09	Lead	0.00233	0.00379
					Manganese	0.106	0.174
					Methylene chloride	0.0026	0.00353
					MNX	0.00029	0.00047
					Naphthalene	0.00396	0.00457
					Nitrate-Nitrite as N	35.592	185.892
					Nitrobenzene	0.00295	0.00448
					Nitrotoluene[4-]	0.00293	0.00524
					Perchlorate	0.00326	0.00481
					RDX	0.0824	0.127
					Rubidium	0.367	0.6
					Ruthenium-106[b,c]	0.00854	0.0204
					Silver	0.00252	0.00451
					Tetrachloroethene	0.00224	0.00252
					Thallium	0.00126	0.00159
					TNT	0.00119	0.00233
					Trichloroethene	0.00226	0.00253
					Uranium	0.00669	0.0142

a Values estimated by dividing sediment concentration by the PEF = 1.316E+09 m^3/kg and represent exposure point concentrations for the inhalation pathway (EPA 2002, 76866).
b Concentrations for this analyte are in pCi/L.
c Statistical analysis calculation is based on positive activities only.

Table K-7 (Revised)
Exposure Factors Used to Estimate Intake of COPCs at the SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Pathway Parameter	Environmental Worker		Construction Worker		Trail User	
General Exposure Factors[a]	RME	CTE	RME	CTE	RME	CTE
EF (days/year or event/year, dermal)	225[b]	125[a]	250[a]	90[c]	200[d]	100[e]
ED (year) – Adult	25[b]	9[f]	1[g]	1[g]	25[b]	9[f]
BW (kg) – Adult	70[a]	70[a]	70[a]	70[a]	70[a]	70[a]
AT Noncarcinogens (year)	25[b]	9[h]	1[h]	1[h]	25[b]	9[h]
AT Carcinogens (year)	70[h]	70[h]	70[h]	70[h]	70[h]	70[h]
Inhalation of Vapors and Particulates						
IR_{inh} air (m^3/hour) - Adult	0.83[b]	1.6[f]	0.83[b]	2.5[f]	1.6[f]	1.0[f]
Exposure Time, E_e (hours/day) - Adult	8[a]	4[i]	8[a]	8[a]	1[j]	0.5[k]
Ingestion of Soil, Sediment, and Surface Water						
IR_{ing} of Soil and Sediment (mg/day) - Adult	100[a]	50[l]	330[b]	330[b]	100[a]	50[f]
IR_{ing} of Surface Water (L/hr) - Adult	na[m]	na	na	na	0.2[n]	0.1[o]
Fraction Ingested from Contaminated Source	1[p]	0.5[l]	1[p]	1[p]	0.125[j]	0.0625[k]
Dermal Exposure to Soil, Sediment, and Surface Water						
Soil-to-Skin AF (mg/cm^2-event)	0.2[q]	0.2[q]	0.3[r]	0.3[r]	0.2[q]	0.2[q]
Exposed SA (cm^2) - Adult	3300[r]	2000[q]	3300[r]	2000[q]	3300[r]	2000[q]

Table K-7 (Revised) (concluded)

[a] EPA 1991, 56140.1.
[b] Supplemental Guidance for Development of Soil Screening Levels for Superfund Sites, Peer Review Draft (EPA March 2001).
[c] Assumes that the average length of a construction job is 90 days/year, based on communication with construction personnel.
[d] Assumes exposure frequency occurs for four days per week for 50 weeks/year.
[e] Assumes exposure frequency occurs for two days per week for 50 weeks/year.
[f] EPA 1997, 66596.
[g] Assumes construction worker is working on-site for one year.
[h] EPA 1989, 08021.
[i] Assumes site worker averages 4 hours/day working outdoors.
[j] Assumes 1 hour in an 8 hour day.
[k] Assumes 1/2 hour in an 8 hour day.
[l] Assumes 50% of soil ingested comes from the contaminated source because only 50% of the time is spent outdoors.
[m] na = Not applicable.
[n] Assumes 10% of daily drinking water rate (EPA 1997, 66596).
[o] Assumes 5% of daily drinking water rate (EPA 1997, 66596).
[p] Assumes 100% of soil ingested is from the contaminated source.
[q] EPA 1997, 58968.
[r] Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual, Part E, Supplemental Guidance for Dermal Risk Assessment (EPA/540/R/99/005, September 2001).

Table K-8 (Revised)
Toxicity Factors for COPCs in the SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

COPC	CAS #	Class	Ref[a]	SF_o $(mg/kg/d)^{-1}$	Ref[a]	SF_i $(mg/kg/d)^{-1}$	Ref[a]	RfD_o (mg/kg/d)	Ref[a]	RfD_i (mg/kg/d)	Ref[a]	PC cm/hr	Ref[a]	ABSd (unitless)	Ref[a]
Aluminum	7429-90-5	---	I	---	---	---	†	1.00E+00	NCEA	---	†	1.00E-03	EPA 2001	0.00E+00	EPA9
Amino-2,6-dinitrotoluene, 4-	19406-51-0	B2	2,6-DNT Used as Surrogate	6.80E-01	2,6-DNT Used as Surrogate	---	†	1.00E-03	H	---	†	2.10E-03	EPA 2001	1.00E-01	NM
Amino-4,6-dinitrotoluene, 2-	35572-78-2	B2	2,6-DNT Used as Surrogate	6.80E-01	2,6-DNT Used as Surrogate	---	†	1.00E-03	H	---	†	2.10E-03	EPA 2001	1.00E-01	NM
Antimony	7440-36-0	---	I	---	---	NE	---	4.00E-04	I	NE	---	1.00E-03	EPA 2001	0.00E+00	EPA9
Arsenic	7440-38-2	A	I	1.50E+00	I	1.50E+01	I	3.00E-04	I	NE	---	1.00E-03	EPA 2001	0.00E+00	EPA9
Barium	7440-39-3	D	I	---	---	---	---	7.00E-02	I	1.40E-04	H	1.00E-03	EPA 2001	0.00E+00	EPA9
Benzo-a-pyrene	50-32-8	B2	I	7.30E+00	I	---	†	---	---	---	†	7.00E-01	EPA 2001	1.30E-01	NM
Bis(2-ethylhexyl) phthalate	117-81-7	B2	I	1.40E-02	I	---	†	2.00E-02	I	---	†	2.50E-02	EPA 2001	1.00E-01	NM
Bromomethane	74-83-9	D	I	---	---	---	---	1.40E-03	I	5.00E-03	I	1.00E-03	EPA 2001	1.00E-01	NM
Cadmium	7440-43-9	B1	I	---	---	---	†	1.00E-03	I	---	†	1.00E-03	EPA 2001	0.00E+00	EPA9
Cesium	7440-46-2	---	---	---	---	---	†	---	---	---	†	1.00E-03	EPA 2001	0.00E+00	EPA9
Chloromethane	74-87-3	D	I	1.30E-02	H	---	†	---	---	---	†	3.30E-03	EPA 2001	1.00E-01	NM
Chromium[b]	7440-47-3	D	I	4.20E+01	EPA6	NE	---	1.50E+00	I	NE	---	1.00E-03	EPA 2001	0.00E+00	EPA9
Cyanide	57-12-5	D	I	---	---	---	†	2.00E-02	I	---	†	1.00E-03	EPA 2001	0.00E+00	EPA9
Dichloroethane, 1,2-	107-06-2	B2	I	9.10E-02	I	---	†	3.00E-02	NCEA	---	†	4.20E-03	EPA 2001	1.00E-01	NM
Dinitrobenzene, 1,3-	99-65-0	D	I	---	---	---	†	1.00E-04	I	---	†	1.00E-03	EPA 2001	1.00E-01	NM
Dinitro-2-methylphenol, 4,6-	534-52-1	---	---	---	---	---	†	---	---	---	†	1.00E-03	EPA 2001	1.00E-01	NM
Dinitrotoluene, 2,6-	606-20-2	B2	I	6.80E-01	I (for mixed isomers)	---	†	1.00E-03	H	---	†	2.10E-03	EPA 2001	1.00E-01	NM
DNX	na	C	RDX Used as Surrogate	1.10E-01	I	1.10E-01	r	3.00E-03	I	3.00E-03	I	1.00E-03	EPA 2001	1.00E-01	NM
Hexachlorobenzene	118-74-1	B2	I	1.60E+00	I	---	†	8.00E-04	I	---	†	1.30E-01	EPA 2001	1.00E-01	NM
HMX	2691-41-0	D	I	---	---	---	---	5.00E-02	I	5.00E-02	EPA6	1.00E-03	EPA 2001	1.00E-01	NM
Indeno(1,2,3-cd)pyrene	193-39-5	B2	I	7.30E-01	NCEA	3.10E-01	NCEA	3.00E-02	NCEA	3.00E-02	r	1.00E+00	EPA 2001	1.30E-01	NM
Iron	7439-89-6	---	---	---	---	---	---	3.00E-01	EPA6	---	---	1.00E-03	EPA 2001	0.00E+00	EPA9
Lead (inorganic)	7439-92-1	---	---	---	---	NE	---	---	---	NE	---	1.00E-03	EPA 2001	0.00E+00	EPA9
Manganese	7439-96-5	D	I	---	---	NE	---	1.40E-01	I	1.40E-05	I	1.00E-03	EPA 2001	0.00E+00	EPA9
Mercury	7439-97-6	D	I	---	---	---	†	3.00E-04	I	---	†	1.00E-03	EPA 2001	0.00E+00	EPA9
Methylene chloride	75-09-2	B2	I	7.50E-03	I	---	†	6.00E-02	I	---	†	3.50E-03	EPA 2001	1.00E-01	NM

Table K-8 (Revised) (concluded)

COPC	CAS #	Class	Ref[a]	SF_o $(mg/kg/d)^{-1}$	Ref[a]	SF_i $(mg/kg/d)^{-1}$	Ref[a]	RfD_o (mg/kg/d)	Ref[a]	RfD_i (mg/kg/d)	Ref[a]	PC cm/hr	Ref[a]	ABSd (unitless)	Ref[a]
MNX	na	C	RDX Used as Surrogate	1.10E-01	I	1.10E-01	r	3.00E-03	I	3.00E-03	I	1.00E-03	EPA 2001	1.00E-01	NM
Naphthalene	91-20-3	C	I	---	---	---	---	2.00E-02	I	3.00E-03	I	1.00E-03	EPA 2001	1.00E-01	NM
Nitrate	14797-55-8	---	I	---	---	---	†	1.60E+00	I	---	†	1.00E-03	EPA 2001	0.00E+00	EPA9
Nitrobenzene	98-95-3	D	I	---	---	---	†	5.00E-04	I	---	†	1.00E-03	EPA 2001	1.00E-01	NM
Nitrotoluene, 3-	99-99-0	---	---	---	---	---	†	1.00E-02	H	---	†	1.00E-03	EPA 2001	1.00E-01	NM
Nitrotoluene, 4-	88-72-2	---	---	---	---	---	†	1.00E-02	H	---	†	1.00E-03	EPA 2001	1.00E-01	NM
Perchlorate	na	---	---	---	---	---	†	1.00E-04	I	---	†	1.00E-03	EPA 2001	0.00E+00	EPA9
RDX	121-82-4	C	I	1.10E-01	I	1.10E-01	r	3.00E-03	I	3.00E-03	I	1.00E-03	EPA 2001	1.00E-01	NM
Rubidium	7440-17-7	---	---	---	---	---	†	---	---	---	†	1.00E-03	EPA 2001	0.00E+00	EPA9
Selenium	7782-49-2	D	I	---	---	---	†	5.00E-03	I	---	†	1.00E-03	EPA 2001	0.00E+00	EPA9
Silver	744-22-4	D	I	---	---	---	†	5.00E-03	I	---	†	6.00E-04	EPA 2001	0.00E+00	EPA9
Tetrachloroethene	127-18-4	---	I	5.40E-01	EPA6	2.10E-02	EPA6	1.00E-02	I	1.10E-01	EPA6	1.00E-03	EPA 2001	1.00E-01	NM
Thallium	7791-12-0	D	I	---	---	NE	---	8.00E-05	I	NE	---	1.00E-03	EPA 2001	0.00E+00	EPA9
TNT	118-96-7	C	I	3.00E-02	I	3.00E-02	r	5.00E-04	I	5.00E-04	I	5.00E-02	EPA 2001	1.00E-01	NM
Trichloroethene	79-01-6	---	I	4.00E-01	EPA6	4.00E-01	EPA6	3.00E-04	EPA6	1.10E-02	EPA6	1.00E-03	EPA 2001	1.00E-01	NM
Uranium (soluble salts)	7440-61-1	---	I	---	---	NE	---	3.00E-03	I	NE	---	1.00E-03	EPA 2001	0.00E+00	EPA9

Note: The hierarchy of the sources for the toxicity factors is: EPA Integrated Risk Information System; EPA Region 6 Human Health Medium-Specific Screening Levels; HEAST.

[a]Reference (Ref):
EPA6 = EPA 2002, 76867.
EPA9 = EPA 2002, 76866.
I = IRIS (EPA 2003, 76870).
H = HEAST (EPA 1997, 58968).
NCEA = National Center for Environmental Assessment, Office of Research and Development.
NM = NMED 2000, 68554.

[b]Modeled as Total Chromium.

r = Route-to-route extrapolation as done in NMED 2000, 68554.
† = Inhalation pathway not evaluated for COPC.
PC = Dermal probability constant.
ABSd = Dermal absorption factor.
na = Not available.

Table K-9a (Revised)
ILCR for Potential Inhalation Exposure of Environmental Workers to
Fugitive Dust at the Source Area SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects								
Chemical Name	Air Concentration (mg/m^3)[a]		Inhalation Cancer Slope Factor 1/(mg/kg/d)	Weight of Evidence	Intake Dose (mg/kg/d)		ILCR	
	CTE	RME			CTE	RME	CTE	RME
Aluminum	7.43E-06	1.56E-05	---	---	2.99E-08	3.26E-07	0.00E+00	0.00E+00
Arsenic	2.7E-09	4.16E-09	1.50E-01	A	1.09E-11	8.70E-11	1.63E-10	1.30E-09
Barium	2.25E-06	5.22E-06	---	D	9.05E-09	1.09E-07	0.00E+00	0.00E+00
Iron	7.82E-06	8.98E-06	---	---	3.15E-08	1.88E-07	0.00E+00	0.00E+00
Manganese	3.22E-07	4.17E-07	NE	D	1.30E-09	8.71E-09	0.00E+00	0.00E+00
Thallium	1.67E-10	2.43E-10	NE	D	6.73E-13	5.08E-12	0.00E+00	0.00E+00
Uranium	8.43E-10	1.22E-09	NE	---	3.40E-12	2.55E-11	0.00E+00	0.00E+00
HMX	3.25E-07	7.67E-07	---	D	1.31E-09	1.60E-08	0.00E+00	0.00E+00
RDX	1.19E-07	3.43E-07	1.10E-01	C	4.80E-10	7.16E-09	5.28E-11	7.87E-10
TNT	3.31E-08	1.01E-07	3.00E-02	C	1.33E-10	2.11E-09	4.00E-12	6.33E-11
						Total Pathway Hazard Index	2.20E-10	2.15E-09

NE = Not established.
[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-9b (Revised)
HI for Potential Inhalation Exposure of Environmental Workers to
Fugitive Dust at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects							
Chemical Name	Air Concentration (mg/m^3)[a]		RfD_i (mg/kg/d)	Intake Dose (mg/kg/d)		HQ	
	CTE	RME		CTE	RME	CTE	RME
Aluminum	7.43E-06	1.56E-05	---	2.33E-07	9.12E-07	0.00E+00	0.00E+00
Arsenic	2.70E-09	4.16E-09	NE	8.45E-11	2.43E-10	0.00E+00	0.00E+00
Barium	2.25E-06	5.22E-06	1.40E-04	7.04E-08	3.05E-07	5.03E-04	2.18E-03
Iron	7.82E-06	8.98E-06	---	2.45E-07	5.25E-07	0.00E+00	0.00E+00
Manganese	3.22E-07	4.17E-07	1.40E-05	1.01E-08	2.44E-08	7.21E-04	1.74E-03
Thallium	1.67E-10	2.43E-10	NE	5.23E-12	1.42E-11	0.00E+00	0.00E+00
Uranium	8.43E-10	1.22E-09	NE	2.64E-11	7.15E-11	0.00E+00	0.00E+00
HMX	3.25E-07	7.67E-07	5.00E-02	1.02E-08	4.48E-08	2.04E-07	8.97E-07
RDX	1.19E-07	3.43E-07	3.00E-03	3.74E-09	2.00E-08	1.25E-06	6.68E-06
TNT	3.31E-08	1.01E-07	5.00E-04	1.04E-09	5.91E-09	2.07E-06	1.18E-05
					Total Pathway Hazard Index	1.23E-03	3.94E-03

NE = Not established.
[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-10a (Revised)
ILCR for Potential Ingestion Exposure of Environmental Workers to
Surface Soil at the SWMU 16-021(c)-99 Site Source Area, Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects								
Chemical Name	Concentration in soil (mg/kg)[a]		SF_o 1/(mg/kg/d)	Weight of Evidence	Intake Dose (mg/kg/d)		ILCR	
	CTE	RME			CTE	RME	CTE	RME
Aluminum	9.77E+03	2.05E+04	---	---	1.54E-04	6.45E-03	0.00E+00	0.00E+00
Arsenic	3.55E+00	5.48E+00	1.50E+00	A	5.58E-08	1.72E-06	8.37E-08	2.59E-06
Barium	2.96E+03	6.86E+03	---	D	4.65E-05	2.16E-03	0.00E+00	0.00E+00
Iron	1.03E+04	1.18E+04	---	---	1.62E-04	3.72E-03	0.00E+00	0.00E+00
Manganese	4.24E+02	5.49E+02	---	D	6.67E-06	1.73E-04	0.00E+00	0.00E+00
Thallium	2.20E-01	3.20E-01	---	D	3.46E-09	1.01E-07	0.00E+00	0.00E+00
Uranium	1.11E+00	1.61E+00	---	---	1.75E-08	5.06E-07	0.00E+00	0.00E+00
HMX	4.28E+02	1.01E+03	---	D	6.73E-06	3.17E-04	0.00E+00	0.00E+00
RDX	1.57E+02	4.51E+02	1.10E-01	C	2.47E-06	1.42E-04	2.72E-07	1.56E-05
TNT	4.36E+01	1.33E+02	3.00E-02	C	6.86E-07	4.18E-05	2.06E-08	1.25E-06
						Total Pathway Cancer Risk	3.76E-07	1.94E-05

NE = Not established.
[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-10b (Revised)
HI for Potential Ingestion Exposure of Environmental Workers
Surface Soil at the SWMU 16-021(c)-99 Site Source Area, Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects							
Chemical Name	Concentration in soil (mg/kg)[a]		RfD_o (mg/kg/d)	Intake Dose (mg/kg/d)		HQ	
	CTE	RME		CTE	RME	CTE	RME
Aluminum	9.77E+03	2.05E+04	1.00E+00	1.20E-03	1.81E-02	1.20E-03	1.81E-02
Arsenic	3.55E+00	5.48E+00	3.00E-04	4.34E-07	4.83E-06	1.45E-03	1.61E-02
Barium	2.96E+03	6.86E+03	7.00E-02	3.62E-04	6.04E-03	5.17E-03	8.64E-02
Iron	1.03E+04	1.18E+04	3.00E-01	1.26E-03	1.04E-02	4.19E-03	3.47E-02
Manganese	4.24E+02	5.49E+02	1.40E-01	5.19E-05	4.83E-04	3.70E-04	3.45E-03
Thallium	2.20E-01	3.20E-01	8.00E-05	2.69E-08	2.82E-07	3.36E-04	3.52E-03
Uranium	1.11E+00	1.61E+00	3.00E-03	1.36E-07	1.42E-06	4.53E-05	4.73E-04
HMX	4.28E+02	1.01E+03	5.00E-02	5.23E-05	8.89E-04	1.05E-03	1.78E-02
RDX	1.57E+02	4.51E+02	3.00E-03	1.92E-05	3.97E-04	6.40E-03	1.32E-01
TNT	4.36E+01	1.33E+02	5.00E-04	5.33E-06	1.17E-04	1.07E-02	2.34E-01
					Total Pathway Hazard Index	3.09E-02	5.47E-01

[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.

Table K-11a (Revised)
ILCR for Potential Dermal Exposure of Environmental Workers to
Surface Soil at the SWMU 16-021(c)-99 Site Source Area, Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects									
	Concentration in soil (mg/kg)[a]		SF_o	ABS	Weight of	DAD (mg/kg/d)		ILCR	
Chemical Name	CTE	RME	1/(mg/kg/d)	(unitless)	Evidence	CTE	RME	CTE	RME
Aluminum	9.77E+03	2.05E+04	---	0.00E+00	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Arsenic	3.55E+00	5.48E+00	1.50E+00	0.00E+00	A	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Barium	2.96E+03	6.86E+03	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Iron	1.03E+04	1.18E+04	---	0.00E+00	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	4.24E+02	5.49E+02	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	2.20E-01	3.20E-01	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	1.11E+00	1.61E+00	---	0.00E+00	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HMX	4.28E+02	1.01E+03	---	1.00E-01	D	1.08E-05	2.09E-04	0.00E+00	0.00E+00
RDX	1.57E+02	4.51E+02	1.10E-01	1.00E-01	C	3.95E-06	9.36E-05	4.35E-07	1.03E-05
TNT	4.36E+01	1.33E+02	3.00E-02	1.00E-01	C	1.10E-06	2.76E-05	3.29E-08	8.28E-07
							Total Pathway Cancer Risk	4.67E-07	1.11E-05

[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-11b (Revised)
HI for Potential Dermal Exposure of Environmental Workers to
Surface Soil at the SWMU 16-021(c)-99 Site Source Area, Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects								
Chemical Name	Concentration In soil (mg/kg)[a]		RfD_o (mg/kg/d)	ABS (unitless)	DAD (mg/kg/d)		HQ	
	CTE	RME			CTE	RME	CTE	RME
Aluminum	9.77E+03	2.05E+04	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Arsenic	3.55E+00	5.48E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Barium	2.96E+03	6.86E+03	7.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Iron	1.03E+04	1.18E+04	3.00E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	4.24E+02	5.49E+02	1.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	2.20E-01	3.20E-01	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	1.11E+00	1.61E+00	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HMX	4.28E+02	1.01E+03	5.00E-02	1.00E-01	8.38E-05	5.86E-04	1.68E-03	1.17E-02
RDX	1.57E+02	4.51E+02	3.00E-03	1.00E-01	3.07E-05	2.62E-04	1.02E-02	8.74E-02
TNT	4.36E+01	1.33E+02	5.00E-04	1.00E-01	8.53E-06	7.73E-05	1.71E-02	1.55E-01
						Total Pathway Hazard Index	2.90E-02	2.54E-01

[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.

Table K-12a (Revised)
ILCR to Environmental Workers From Potential Exposure to Surface Soil
Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical	Fugitive Dust Inhalation Cancer Risk (ILCR)		Soil Ingestion Cancer Risk (ILCR)		Dermal Contact Cancer Risk (ILCR)	
	CTE	RME	CTE	RME	CTE	RME
Aluminum	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Arsenic	1.63E-10	1.30E-09	8.37E-08	2.59E-06	0.00E+00	0.00E+00
Barium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Iron	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HMX	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RDX	5.28E-11	7.87E-10	2.72E-07	1.56E-05	4.35E-07	1.03E-05
TNT	4.00E-12	6.33E-11	2.06E-08	1.25E-06	3.29E-08	8.28E-07
Total Pathway ILCR	2.20E-10	2.15E-09	3.76E-07	1.94E-05	4.67E-07	1.11E-05
Total CTE ILCR for All Pathways and All Media[a]	8E-07					
Total RME ILCR for All Pathways and All Media[a]	3E-05					

[a] Total ILCR reported to one significant figure.

Table K-12b (Revised)
Noncancer Hazard to Environmental Workers From Potential Exposure to Surface Soil
Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical	Fugitive Dust Inhalation HQ		Soil Ingestion HQ		Dermal Contact HQ	
	CTE	RME	CTE	RME	CTE	RME
Aluminum	0.00E+00	0.00E+00	1.20E-03	1.81E-02	0.00E+00	0.00E+00
Arsenic	0.00E+00	0.00E+00	1.45E-03	1.61E-02	0.00E+00	0.00E+00
Barium	5.03E-04	2.18E-03	5.17E-03	8.64E-02	0.00E+00	0.00E+00
Iron	0.00E+00	0.00E+00	4.19E-03	3.47E-02	0.00E+00	0.00E+00
Manganese	7.21E-04	1.74E-03	3.70E-04	3.45E-03	0.00E+00	0.00E+00
Thallium	0.00E+00	0.00E+00	3.36E-04	3.52E-03	0.00E+00	0.00E+00
Uranium	0.00E+00	0.00E+00	4.53E-05	4.73E-04	0.00E+00	0.00E+00
HMX	2.04E-07	8.97E-07	1.05E-03	1.78E-02	1.68E-03	1.17E-02
RDX	1.25E-06	6.68E-06	6.40E-03	1.32E-01	1.02E-02	8.74E-02
TNT	2.07E-06	1.18E-05	1.07E-02	2.34E-01	1.71E-02	1.55E-01
Pathway HI	1.23E-03	3.94E-03	3.09E-02	5.47E-01	2.90E-02	2.54E-01
Total CTE HI for All Pathways and All Media[a]	6E-02					
Total RME HI for All Pathways and All Media[a]	8E-01					

[a] Total ILCR reported to one significant figure.

Table K-13a (Revised)
ILCR for Potential Inhalation Exposure of Trail Users to
Fugitive Dust at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects								
Chemical Name	Air Concentration (mg/m^3)[a]		SF_i 1/(mg/kg/d)	Weight of Evidence	Intake Dose (mg/kg/d)		ILCR	
	CTE	RME			CTE	RME	CTE	RME
Aluminum	7.43E-06	1.56E-05	---	---	1.87E-09	6.98E-08	0.00E+00	0.00E+00
Arsenic	2.70E-09	4.16E-09	1.50E+01	A	6.79E-13	1.86E-11	1.02E-11	2.79E-10
Barium	2.25E-06	5.22E-06	---	D	5.66E-10	2.33E-08	0.00E+00	0.00E+00
Iron	7.82E-06	8.98E-06	---	---	1.97E-09	4.02E-08	0.00E+00	0.00E+00
Manganese	3.22E-07	4.17E-07	NE	D	8.11E-11	1.87E-09	0.00E+00	0.00E+00
Thallium	1.67E-10	2.43E-10	NE	D	4.21E-14	1.09E-12	0.00E+00	0.00E+00
Uranium	8.43E-10	1.22E-09	NE	---	2.12E-13	5.47E-12	0.00E+00	0.00E+00
HMX	3.25E-07	7.67E-07	---	D	8.18E-11	3.43E-09	0.00E+00	0.00E+00
RDX	1.19E-07	3.43E-07	1.10E-01	C	3.00E-11	1.53E-09	3.30E-12	1.69E-10
TNT	3.31E-08	1.01E-07	3.00E-02	C	8.34E-12	4.52E-10	2.50E-13	1.36E-11
						Total Pathway Cancer Risk	1.37E-11	4.62E-10

NE = Not established.
[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-13b (Revised)
HI for Potential Inhalation Exposure of Trail Users to
Fugitive Dust at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects							
Chemical Name	Air Concentration (mg/m^3)[a]		RfD_i (mg/kg-d)	Intake Dose (mg/kg-d)		HQ	
	CTE	RME		CTE	RME	CTE	RME
Aluminum	7.43E-06	1.56E-05	---	1.45E-08	1.95E-07	0.00E+00	0.00E+00
Arsenic	2.70E-09	4.16E-09	NE	5.28E-12	5.22E-11	0.00E+00	0.00E+00
Barium	2.25E-06	5.22E-06	1.40E-04	4.40E-09	6.53E-08	3.14E-05	4.67E-04
Iron	7.82E-06	8.98E-06	---	1.53E-08	1.12E-07	0.00E+00	0.00E+00
Manganese	3.22E-07	4.17E-07	1.40E-05	6.31E-10	5.22E-09	4.50E-05	3.73E-04
Thallium	1.67E-10	2.43E-10	NE	3.27E-13	3.05E-12	0.00E+00	0.00E+00
Uranium	8.43E-10	1.22E-09	NE	1.65E-12	1.53E-11	0.00E+00	0.00E+00
HMX	3.25E-07	7.67E-07	5.00E-02	6.36E-10	9.60E-09	0.00E+00	0.00E+00
RDX	1.19E-07	3.43E-07	3.00E-03	2.33E-10	4.29E-09	7.78E-08	1.43E-06
TNT	3.31E-08	1.01E-07	5.00E-04	6.48E-11	1.27E-09	1.30E-07	2.53E-06
					Total Pathway Hazard Index	7.67E-05	8.44E-04

NE = Not established.
[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-14a (Revised)
ILCR for Potential Ingestion Exposure of Trail Users to
Surface Soil at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects								
Chemical Name	Concentration in soil (mg/kg)[a]		SF_o 1/(mg/kg/d)	Weight of Evidence	Intake Dose (mg/kg/d)		ILCR	
	CTE	RME			CTE	RME	CTE	RME
Aluminum	9.77E+03	2.05E+04	---	---	1.54E-05	7.17E-04	0.00E+00	0.00E+00
Arsenic	3.55E+00	5.48E+00	1.50E+00	A	5.58E-09	1.92E-07	8.37E-09	2.87E-07
Barium	2.96E+03	6.86E+03	---	D	4.65E-06	2.40E-04	0.00E+00	0.00E+00
Iron	1.03E+04	1.18E+04	---	---	1.62E-05	4.13E-04	0.00E+00	0.00E+00
Manganese	4.24E+02	5.49E+02	---	D	6.67E-07	1.92E-05	0.00E+00	0.00E+00
Thallium	2.20E-01	3.20E-01	---	D	3.46E-10	1.12E-08	0.00E+00	0.00E+00
Uranium	1.11E+00	1.61E+00	---	---	1.75E-09	5.63E-08	0.00E+00	0.00E+00
HMX	4.28E+02	1.01E+03	---	D	6.73E-07	3.53E-05	0.00E+00	0.00E+00
RDX	1.57E+02	4.51E+02	1.10E-01	C	2.47E-07	1.58E-05	2.72E-08	1.73E-06
TNT	4.36E+01	1.33E+02	3.00E-02	C	6.86E-08	4.65E-06	2.06E-09	1.39E-07
						Total Pathway Cancer Risk	3.76E-08	2.16E-06

[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-14b (Revised)
HI for Potential Ingestion Exposure of Trail Users
Surface Soil at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects							
Chemical Name	Concentration in soil (mg/kg)[a]		RfD_o (mg/kg/d)	Intake Dose (mg/kg/d)		HQ	
	CTE	RME		CTE	RME	CTE	RME
Aluminum	9.77E+03	2.05E+04	1.00E+00	1.20E-04	2.01E-03	1.20E-04	2.01E-03
Arsenic	3.55E+00	5.48E+00	3.00E-04	4.34E-08	5.36E-07	1.45E-04	1.79E-03
Barium	2.96E+03	6.86E+03	7.00E-02	3.62E-05	6.72E-04	5.17E-04	9.59E-03
Iron	1.03E+04	1.18E+04	3.00E-01	1.26E-04	1.16E-03	4.19E-04	3.85E-03
Manganese	4.24E+02	5.49E+02	1.40E-01	5.19E-06	5.37E-05	3.70E-05	3.84E-04
Thallium	2.20E-01	3.20E-01	8.00E-05	2.69E-09	3.13E-08	3.36E-05	3.91E-04
Uranium	1.11E+00	1.61E+00	3.00E-03	1.36E-08	1.58E-07	4.53E-06	5.25E-05
HMX	4.28E+02	1.01E+03	5.00E-02	5.23E-06	9.87E-05	1.05E-04	1.97E-03
RDX	1.57E+02	4.51E+02	3.00E-03	1.92E-06	4.41E-05	6.40E-04	1.47E-02
TNT	4.36E+01	1.33E+02	5.00E-04	5.33E-07	1.30E-05	1.07E-03	2.60E-02
					Total Pathway Hazard Index	3.09E-03	6.08E-02

[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.

Table K-15a (Revised)
ILCR for Potential Dermal Exposure of Worker Trail Users to
Surface Soil at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects									
Chemical Name	Concentration in soil (mg/kg)[a]		SF_o 1/(mg/kg/d)	ABS (unitless)	Weight of Evidence	DAD (mg/kg/d)		ILCR	
	CTE	RME				CTE	RME	CTE	RME
Aluminum	9.77E+03	2.05E+04	---	0.00E+00	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Arsenic	3.55E+00	5.48E+00	1.50E+00	0.00E+00	A	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Barium	2.96E+03	6.86E+03	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Iron	1.03E+04	1.18E+04	---	0.00E+00	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	4.24E+02	5.49E+02	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	2.20E-01	3.20E-01	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	1.11E+00	1.61E+00	---	0.00E+00	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HMX	4.28E+02	1.01E+03	---	1.00E-01	D	8.62E-06	1.86E-04	0.00E+00	0.00E+00
RDX	1.57E+02	4.51E+02	1.10E-01	1.00E-01	C	3.16E-06	8.32E-05	3.48E-07	9.15E-06
TNT	4.36E+01	1.33E+02	3.00E-02	1.00E-01	C	8.78E-07	2.45E-05	2.63E-08	7.36E-07
							Total Pathway Cancer Risk	3.74E-07	9.89E-06

[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-15b (Revised)
HI for Potential Dermal Exposure of Worker Trail Users to
Surface Soil at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects								
Chemical Name	Concentration in soil (mg/kg)[a]		RfD_o (mg/kg/d)	ABS (unitless)	DAD (mg/kg/d)		HQ	
	CTE	RME			CTE	RME	CTE	RME
Aluminum	9.77E+03	2.05E+04	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Arsenic	3.55E+00	5.48E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Barium	2.96E+03	6.86E+03	7.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Iron	1.03E+04	1.18E+04	3.00E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	4.24E+02	5.49E+02	1.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	2.20E-01	3.20E-01	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	1.11E+00	1.61E+00	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HMX	4.28E+02	1.01E+03	5.00E-02	1.00E-01	6.70E-05	5.21E-04	1.34E-03	1.04E-02
RDX	1.57E+02	4.51E+02	3.00E-03	1.00E-01	2.46E-05	2.33E-04	8.19E-03	7.77E-02
TNT	4.36E+01	1.33E+02	5.00E-04	1.00E-01	6.83E-06	6.87E-05	1.37E-02	1.37E-01
Total Pathway Hazard Index							2.32E-02	2.26E-01

[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.

Table K-16a (Revised)
ILCR to Trail Users from Potential Exposure to Surface Soil
Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical	Fugitive Dust Inhalation Cancer Risk (ILCR)		Soil Ingestion Cancer Risk (ILCR)		Dermal Contact Cancer Risk (ILCR)	
	CTE	RME	CTE	RME	CTE	RME
Aluminum	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Arsenic	1.02E-11	2.79E-10	8.37E-09	2.87E-07	0.00E+00	0.00E+00
Barium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Iron	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HMX	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RDX	3.30E-12	1.69E-10	2.72E-08	1.73E-06	3.48E-07	9.15E-06
TNT	2.50E-13	1.36E-11	2.06E-09	1.39E-07	2.63E-08	7.36E-07
Total Pathway ILCR	1.37E-11	4.62E-10	3.76E-08	2.16E-06	3.74E-07	9.89E-06
Total CTE ILCR for All Pathways and All Media[a]	4E-07					
Total RME ILCR for All Pathways and All Media[a]	1E-05					

[a] Total ILCR reported to one significant figure.

Table K-16b (Revised)
Noncancer Hazard to Trail Users from Potential Exposure to Surface Soil
Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical	Fugitive Dust Inhalation HQ		Soil Ingestion HQ		Dermal Contact HQ	
	CTE	RME	CTE	RME	CTE	RME
Aluminum	0.00E+00	0.00E+00	1.20E-04	2.01E-03	0.00E+00	0.00E+00
Arsenic	0.00E+00	0.00E+00	1.45E-04	1.79E-03	0.00E+00	0.00E+00
Barium	3.14E-05	4.67E-04	5.17E-04	9.59E-03	0.00E+00	0.00E+00
Iron	0.00E+00	0.00E+00	4.19E-04	3.85E-03	0.00E+00	0.00E+00
Manganese	4.50E-05	3.73E-04	3.70E-05	3.84E-04	0.00E+00	0.00E+00
Thallium	0.00E+00	0.00E+00	3.36E-05	3.91E-04	0.00E+00	0.00E+00
Uranium	0.00E+00	0.00E+00	4.53E-06	5.25E-05	0.00E+00	0.00E+00
HMX	0.00E+00	0.00E+00	1.05E-04	1.97E-03	1.34E-03	1.04E-02
RDX	7.78E-08	1.43E-06	6.40E-04	1.47E-02	8.19E-03	7.77E-02
TNT	1.30E-07	2.53E-06	1.07E-03	2.60E-02	1.37E-02	1.37E-01
Pathway HI	7.67E-05	8.44E-04	3.09E-03	6.08E-02	2.32E-02	2.26E-01
Total CTE HI for All Pathways and All Media[a]	3E-02					
Total RME HI for All Pathways and All Media[a]	3E-01					

[a] Total HI reported to one significant figure.

Table K-17a (Revised)
ILCR for Potential Inhalation Exposure of Construction Workers to
Fugitive Dust at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects								
Chemical Name	Air Concentration (mg/m^3)[a]		SF_{inh} 1/(mg/kg/d)	Weight of Evidence	Intake Dose (mg/kg/d)		ILCR	
	CTE	RME			CTE	RME	CTE	RME
Aluminum	7.43E-06	1.56E-05	---	---	7.47E-09	1.45E-08	0.00E+00	0.00E+00
Arsenic	2.70E-09	4.16E-09	1.50E+01	A	2.71E-12	3.86E-12	4.07E-11	5.80E-11
Barium	2.25E-06	5.22E-06	---	D	2.26E-09	4.84E-09	0.00E+00	0.00E+00
Iron	7.82E-06	8.98E-06	---	---	7.87E-09	8.33E-09	0.00E+00	0.00E+00
Manganese	3.22E-07	4.17E-07	NE	D	3.24E-10	3.87E-10	0.00E+00	0.00E+00
Thallium	1.67E-10	2.43E-10	NE	D	1.68E-13	2.26E-13	0.00E+00	0.00E+00
Uranium	8.43E-10	1.22E-09	NE	---	8.49E-13	1.14E-12	0.00E+00	0.00E+00
HMX	3.25E-07	7.67E-07	---	D	3.27E-10	7.12E-10	0.00E+00	0.00E+00
RDX	1.19E-07	3.43E-07	1.10E-01	C	1.20E-10	3.18E-10	1.32E-11	3.50E-11
TNT	3.31E-08	1.01E-07	3.00E-02	C	3.33E-11	9.38E-11	1.00E-12	2.81E-12
						Total Pathway Cancer Risk	5.49E-11	9.58E-11

NE = Not established.
[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-17b (Revised)
HI for Potential Inhalation Exposure of Construction Workers to
Fugitive Dust at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects							
Chemical Name	Air Concentration (mg/m^3)[a]		RfD_i (mg/kg/d)	Intake Dose (mg/kg/d)		HQ	
	CTE	RME		CTE	RME	CTE	RME
Aluminum	7.43E-06	1.56E-05	---	5.23E-07	1.01E-06	0.00E+00	0.00E+00
Arsenic	2.70E-09	4.16E-09	NE	1.90E-10	2.71E-10	0.00E+00	0.00E+00
Barium	2.25E-06	5.22E-06	1.40E-04	1.58E-07	3.39E-07	1.13E-03	2.42E-03
Iron	7.82E-06	8.98E-06	---	5.51E-07	5.83E-07	0.00E+00	0.00E+00
Manganese	3.22E-07	4.17E-07	1.40E-05	2.27E-08	2.71E-08	1.62E-03	1.94E-03
Thallium	1.67E-10	2.43E-10	NE	1.18E-11	1.58E-11	0.00E+00	0.00E+00
Uranium	8.43E-10	1.22E-09	NE	5.94E-11	7.95E-11	0.00E+00	0.00E+00
HMX	3.25E-07	7.67E-07	5.00E-02	2.29E-08	4.98E-08	0.00E+00	0.00E+00
RDX	1.19E-07	3.43E-07	3.00E-03	8.40E-09	2.23E-08	2.80E-06	7.42E-06
TNT	3.31E-08	1.01E-07	5.00E-04	2.33E-09	6.57E-09	4.67E-06	1.31E-05
Total Pathway Hazard Index						2.76E-03	4.38E-03

NE = Not established.
[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-18a (Revised)
ILCR for Potential Ingestion Exposure of Construction Workers to
Surface Soil at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects								
Chemical Name	Concentration in soil (mg/kg)[a]		SF_o 1/(mg/kg/d)	Weight of Evidence	Intake Dose (mg/kg/d)		ILCR	
	CTE	RME			CTE	RME	CTE	RME
Aluminum	9.77E+03	2.05E+04	---	---	1.62E-04	9.47E-04	0.00E+00	0.00E+00
Arsenic	3.55E+00	5.48E+00	1.50E+00	A	5.90E-08	2.53E-07	8.84E-08	3.79E-07
Barium	2.96E+03	6.86E+03	---	D	4.92E-05	3.17E-04	0.00E+00	0.00E+00
Iron	1.03E+04	1.18E+04	---	---	1.71E-04	5.45E-04	0.00E+00	0.00E+00
Manganese	4.24E+02	5.49E+02	---	D	7.04E-06	2.53E-05	0.00E+00	0.00E+00
Thallium	2.20E-01	3.20E-01	---	D	3.65E-09	1.48E-08	0.00E+00	0.00E+00
Uranium	1.11E+00	1.61E+00	---	---	1.84E-08	7.43E-08	0.00E+00	0.00E+00
HMX	4.28E+02	1.01E+03	---	D	7.11E-06	4.65E-05	0.00E+00	0.00E+00
RDX	1.57E+02	4.51E+02	1.10E-01	C	2.61E-06	2.08E-05	2.87E-07	2.29E-06
TNT	4.36E+01	1.33E+02	3.00E-02	C	7.24E-07	6.14E-06	2.17E-08	1.84E-07
						Total Pathway Cancer Risk	3.97E-07	2.85E-06

[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-18b (Revised)
HI for Potential Ingestion Exposure of Construction Workers
Surface Soil at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects							
Chemical Name	Concentration in soil (mg/kg)[a]		RfD_o (mg/kg/d)	Intake Dose (mg/kg/d)		HQ	
	CTE	RME		CTE	RME	CTE	RME
Aluminum	9.77E+03	2.05E+04	1.00E+00	1.14E-02	6.63E-02	1.14E-02	6.63E-02
Arsenic	3.55E+00	5.48E+00	3.00E-04	4.13E-06	1.77E-05	1.38E-02	5.90E-02
Barium	2.96E+03	6.86E+03	7.00E-02	3.44E-03	2.22E-02	4.92E-02	3.17E-01
Iron	1.03E+04	1.18E+04	3.00E-01	1.20E-02	3.82E-02	3.99E-02	1.27E-01
Manganese	4.24E+02	5.49E+02	1.40E-01	4.93E-04	1.77E-03	3.52E-03	1.27E-02
Thallium	2.20E-01	3.20E-01	8.00E-05	2.56E-07	1.03E-06	3.20E-03	1.29E-02
Uranium	1.11E+00	1.61E+00	3.00E-03	1.29E-06	5.20E-06	4.30E-04	1.73E-03
HMX	4.28E+02	1.01E+03	5.00E-02	4.98E-04	3.26E-03	9.95E-03	6.52E-02
RDX	1.57E+02	4.51E+02	3.00E-03	1.83E-04	1.46E-03	6.08E-02	4.85E-01
TNT	4.36E+01	1.33E+02	5.00E-04	5.07E-05	4.29E-04	1.01E-01	8.59E-01
					Total Pathway Hazard Index	2.93E-01	2.01E+00

[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.

Table K-19a (Revised)
ILCR for Potential Dermal Exposure of Construction Workers to
Surface Soil at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects									
	Concentration in soil (mg/kg)[a]		SF_o	ABS	Weight of	DAD (mg/kg/d)		ILCR	
Chemical Name	CTE	RME	1/(mg/kg/d)	(unitless)	Evidence	CTE	RME	CTE	RME
Aluminum	9.77E+03	2.05E+04	---	0.00E+00	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Arsenic	3.55E+00	5.48E+00	1.50E+00	0.00E+00	A	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Barium	2.96E+03	6.86E+03	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Iron	1.03E+04	1.18E+04	---	0.00E+00	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	4.24E+02	5.49E+02	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	2.20E-01	3.20E-01	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	1.11E+00	1.61E+00	---	0.00E+00	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HMX	4.28E+02	1.01E+03	---	1.00E-01	D	1.29E-06	1.40E-05	0.00E+00	0.00E+00
RDX	1.57E+02	4.51E+02	1.10E-01	1.00E-01	C	4.74E-07	6.24E-06	5.21E-08	6.87E-07
TNT	4.36E+01	1.33E+02	3.00E-02	1.00E-01	C	1.32E-07	1.84E-06	3.95E-09	5.52E-08
							Total Pathway Cancer Risk	5.61E-08	7.42E-07

[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-19b (Revised)
HI for Potential Dermal Exposure of Construction Workers to
Surface Soil at the Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects								
Chemical Name	Concentration in soil (mg/kg)[a]		RfD_o (mg/kg/d)	ABS (unitless)	DAD (mg/kg/d)		HQ	
	CTE	RME			CTE	RME	CTE	RME
Aluminum	9.77E+03	2.05E+04	1.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Arsenic	3.55E+00	5.48E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Barium	2.96E+03	6.86E+03	7.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Iron	1.03E+04	1.18E+04	3.00E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	4.24E+02	5.49E+02	1.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	2.20E-01	3.20E-01	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	1.11E+00	1.61E+00	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HMX	4.28E+02	1.01E+03	5.00E-02	1.00E-01	9.05E-05	9.77E-04	1.81E-03	1.95E-02
RDX	1.57E+02	4.51E+02	3.00E-03	1.00E-01	3.32E-05	4.37E-04	1.11E-02	1.46E-01
TNT	4.36E+01	1.33E+02	5.00E-04	1.00E-01	9.21E-06	1.29E-04	1.84E-02	2.58E-01
						Total Pathway Hazard Index	3.13E-02	4.23E-01

[a] Values reported as undetected in soil (U-qualified, Table K-2) were replaced by a concentration equal to 1/2 of the reported detection limit.

Table K-20a (Revised)
ILCR to Construction Workers from Potential Exposure to Surface Soil
Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical	Fugitive Dust Inhalation Cancer Risk (ILCR)		Soil Ingestion Cancer Risk (ILCR)		Dermal Contact Cancer Risk (ILCR)	
	CTE	RME	CTE	RME	CTE	RME
Aluminum	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Arsenic	4.07E-11	5.80E-11	8.84E-08	3.79E-07	0.00E+00	0.00E+00
Barium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Iron	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HMX	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RDX	1.32E-11	3.50E-11	2.87E-07	2.29E-06	5.21E-08	6.87E-07
TNT	1.00E-12	2.81E-12	2.17E-08	1.84E-07	3.95E-09	5.52E-08
Total Pathway ILCR	5.49E-11	9.58E-11	3.97E-07	2.85E-06	5.61E-08	7.42E-07
Total CTE ILCR for All Pathways and All Media[a]	5E-07					
Total RME ILCR for All Pathways and All Media[a]	4E-06					

[a] Total ILCR reported to one significant figure.

Table K-20b (Revised)
Noncancer Hazard to Construction Workers from Potential Exposure to Surface Soil
Source Area SWMU 16-021(c)-99, Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical	Fugitive Dust Inhalation HQ		Soil Ingestion HQ		Dermal Contact HQ	
	CTE	RME	CTE	RME	CTE	RME
Aluminum	0.00E+00	0.00E+00	1.14E-02	6.63E-02	0.00E+00	0.00E+00
Arsenic	0.00E+00	0.00E+00	1.38E-02	5.90E-02	0.00E+00	0.00E+00
Barium	1.13E-03	2.42E-03	4.92E-02	3.17E-01	0.00E+00	0.00E+00
Iron	0.00E+00	0.00E+00	3.99E-02	1.27E-01	0.00E+00	0.00E+00
Manganese	1.62E-03	1.94E-03	3.52E-03	1.27E-02	0.00E+00	0.00E+00
Thallium	0.00E+00	0.00E+00	3.20E-03	1.29E-02	0.00E+00	0.00E+00
Uranium	0.00E+00	0.00E+00	4.30E-04	1.73E-03	0.00E+00	0.00E+00
HMX	0.00E+00	0.00E+00	9.95E-03	6.52E-02	1.81E-03	1.95E-02
RDX	2.80E-06	7.42E-06	6.08E-02	4.85E-01	1.11E-02	1.46E-01
TNT	4.67E-06	1.31E-05	1.01E-01	8.59E-01	1.84E-02	2.58E-01
Pathway HI	2.76E-03	4.38E-03	2.93E-01	2.01E+00	3.13E-02	4.23E-01
Total CTE HI for All Pathways and All Media[a]	3E-01					
Total RME HI for All Pathways and All Media[a]	2E+00					

[a] Total ILCR reported to one significant figure.

Table K-21a (Revised)
ILCR for Potential Ingestion Exposure of Trail Users to Sediment at the Cañon de Valle Alluvial Area, SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects								
Chemical Name	Concentration in Sediment (mg/kg)[a]		SF_o 1/(mg/kg/d)	Weight of Evidence	Intake Dose (mg/kg/d)		ILCR	
	CTE	RME			CTE	RME	CTE	RME
Antimony	1.29E+00	2.33E+00	---	---	2.03E-09	8.14E-08	0.00E+00	0.00E+00
Arsenic	2.19E+00	2.32E+00	1.50E+00	A	3.44E-09	8.11E-08	5.17E-09	1.22E-07
Barium	5.18E+03	8.76E+03	---	D	8.15E-06	3.06E-04	0.00E+00	0.00E+00
Chromium	6.51E+00	8.77E+00	4.20E+01	D	1.02E-08	3.06E-07	4.30E-07	1.29E-05
Lead	2.91E+01	3.50E+01	---	---	4.58E-08	1.22E-06	0.00E+00	0.00E+00
Manganese	3.54E+02	4.67E+02	---	D	5.57E-07	1.63E-05	0.00E+00	0.00E+00
Silver	7.85E+00	1.06E+01	---	D	1.23E-08	3.70E-07	0.00E+00	0.00E+00
Thallium	5.10E-01	7.50E-01	---	D	8.02E-10	2.62E-08	0.00E+00	0.00E+00
Uranium	2.07E+00	2.41E+00	---	---	3.26E-09	8.42E-08	0.00E+00	0.00E+00
Benzo(a)pyrene	3.20E-01	4.50E-01	7.30E+00	B2	5.03E-10	1.57E-08	3.67E-09	1.15E-07
Dinitrobenzene[1,3-]	1.40E-01	2.60E-01	---	D	2.20E-10	9.09E-09	0.00E+00	0.00E+00
Hexachlorobenzene	3.50E-01	4.40E-01	1.60E+00	B2	5.50E-10	1.54E-08	8.81E-10	2.46E-08
Indeno(1,2,3-cd)pyrene	3.20E-01	4.40E-01	7.30E-01	B2	5.03E-10	1.54E-08	3.67E-10	1.12E-08
Nitrobenzene	2.10E-01	3.20E-01	---	D	3.30E-10	1.12E-08	0.00E+00	0.00E+00
RDX	1.26E+00	3.38E+00	1.10E-01	C	1.98E-09	1.18E-07	2.18E-10	1.30E-08
TNT	2.00E-01	3.40E-01	3.00E-02	C	3.15E-10	1.19E-08	9.44E-12	3.56E-10
						Total Pathway Cancer Risk	4.40E-07	1.32E-05

[a] Values reported as undetected (U-qualified, Table K-6) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-21b (Revised)
HI for Potential Ingestion Exposure of Trail Users to Sediment at the Cañon de Valle Alluvial Area
SWMU 16-021(c)-99 Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects							
Chemical Name	Concentration in Sediment (mg/kg)[a]		Oral RfD_o (mg/kg/d)	Intake Dose (mg/kg/d)		HQ	
	CTE	RME		CTE	RME	CTE	RME
Antimony	1.29E+00	2.33E+00	4.00E-04	1.58E-08	1.26E-07	3.94E-05	3.16E-04
Arsenic	2.19E+00	2.32E+00	3.00E-04	2.68E-08	2.14E-07	8.93E-05	7.14E-04
Barium	5.18E+03	8.76E+03	7.00E-02	6.34E-05	5.07E-04	9.06E-04	7.24E-03
Chromium	6.51E+00	8.77E+00	1.50E+00	7.96E-08	6.37E-07	5.31E-08	4.25E-07
Lead	2.91E+01	3.50E+01	---	3.56E-07	2.85E-06	0.00E+00	0.00E+00
Manganese	3.54E+02	4.67E+02	1.40E-01	4.33E-06	3.46E-05	3.09E-05	2.47E-04
Silver	7.85E+00	1.06E+01	5.00E-03	9.60E-08	7.68E-07	1.92E-05	1.54E-04
Thallium	5.10E-01	7.50E-01	8.00E-05	6.24E-09	4.99E-08	7.80E-05	6.24E-04
Uranium	2.07E+00	2.41E+00	3.00E-03	2.53E-08	2.03E-07	8.44E-06	6.75E-05
Benzo(a)pyrene	3.20E-01	4.50E-01	---	3.91E-09	3.13E-08	0.00E+00	0.00E+00
Dinitrobenzene[1,3-]	1.40E-01	2.60E-01	1.00E-04	1.71E-09	1.37E-08	1.71E-05	1.37E-04
Hexachlorobenzene	3.50E-01	4.40E-01	8.00E-04	4.28E-09	3.42E-08	5.35E-06	4.28E-05
Indeno(1,2,3-cd)pyrene	3.20E-01	4.40E-01	3.00E-02	3.91E-09	3.13E-08	1.30E-07	1.04E-06
Nitrobenzene	2.10E-01	3.20E-01	5.00E-04	2.57E-09	2.05E-08	5.14E-06	4.11E-05
RDX	1.26E+00	3.38E+00	3.00E-03	1.54E-08	1.23E-07	5.14E-06	4.11E-05
TNT	2.00E-01	3.40E-01	5.00E-04	2.45E-09	1.96E-08	4.89E-06	3.91E-05
					Total Pathway Hazard Index	1.21E-03	9.67E-03

[a] Values reported as undetected (U-qualified, Table K-6) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-22a (Revised)
ILCR for Potential Dermal Contact Exposure of Trail Users to Sediment at the Cañon de Valle Alluvial Area, SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects									
Chemical Name	Concentration in Sediment (mg/kg)[a]		SF_o 1/(mg/kg/d)	ABS (unitless)	Weight of Evidence	DAD (mg/kg/d)		ILCR	
	CTE	RME				CTE	RME	CTE	RME
Antimony	1.29E+00	2.33E+00	---	0.00E+00	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Arsenic	2.19E+00	2.32E+00	1.50E+00	0.00E+00	A	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Barium	5.18E+03	8.76E+03	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chromium	6.51E+00	8.77E+00	4.20E+01	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Lead	2.91E+01	3.50E+01	---	0.00E+00	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	3.54E+02	4.67E+02	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Silver	7.85E+00	1.06E+01	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	5.10E-01	7.50E-01	---	0.00E+00	D	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	2.07E+00	2.41E+00	---	0.00E+00	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Benzo(a)pyrene	3.20E-01	4.50E-01	7.30E+00	1.30E-01	B2	8.37E-09	1.08E-07	6.11E-08	7.88E-07
Dinitrobenzene[1,3-]	1.40E-01	2.60E-01	---	1.00E-01	D	2.82E-09	4.80E-08	0.00E+00	0.00E+00
Hexachlorobenzene	3.50E-01	4.40E-01	1.60E+00	1.00E-01	B2	7.05E-09	8.12E-08	1.13E-08	1.30E-07
Indeno(1,2,3-cd)pyrene	3.20E-01	4.40E-01	7.30E-01	1.30E-01	B2	8.37E-09	1.06E-07	6.11E-09	7.70E-08
Nitrobenzene	2.10E-01	3.20E-01	---	1.00E-01	D	4.23E-09	5.90E-08	0.00E+00	0.00E+00
RDX	1.26E+00	3.38E+00	1.10E-01	1.00E-01	C	2.54E-08	6.24E-07	2.79E-09	6.86E-08
TNT	2.00E-01	3.40E-01	3.00E-02	1.00E-01	C	4.03E-09	6.27E-08	1.21E-10	1.88E-09
							Total Pathway Cancer Risk	8.14E-08	1.07E-06

a Values reported as undetected (U-qualified, Table K-6) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-22b (Revised)
HI for Potential Dermal Contact Exposure of Trail Users to Sediment at the Cañon de Valle Alluvial Area, SWMU 16-021(c)-99 Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects								
Chemical Name	Concentration in Sediment (mg/kg)[a]		RfD_o (mg/kg/d)	ABS (unitless)	DAD (mg/kg/d)		HQ	
	CTE	RME			CTE	RME	CTE	RME
Antimony	1.29E+00	2.33E+00	4.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Arsenic	2.19E+00	2.32E+00	3.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Barium	5.18E+03	8.76E+03	7.00E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chromium	6.51E+00	8.77E+00	1.50E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Lead	2.91E+01	3.50E+01	---	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	3.54E+02	4.67E+02	1.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Silver	7.85E+00	1.06E+01	5.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	5.10E-01	7.50E-01	8.00E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	2.07E+00	2.41E+00	3.00E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Benzo(a)pyrene	3.20E-01	4.50E-01	---	1.30E-01	6.51E-08	3.02E-07	0.00E+00	0.00E+00
Dinitrobenzene[1,3-]	1.40E-01	2.60E-01	1.00E-04	1.00E-01	2.19E-08	1.34E-07	2.19E-04	1.34E-03
Hexachlorobenzene	3.50E-01	4.40E-01	8.00E-04	1.00E-01	5.48E-08	2.27E-07	6.85E-05	2.84E-04
Indeno(1,2,3-cd)pyrene	3.20E-01	4.40E-01	3.00E-02	1.30E-01	6.51E-08	2.96E-07	2.17E-06	9.85E-06
Nitrobenzene	2.10E-01	3.20E-01	5.00E-04	1.00E-01	3.29E-08	1.65E-07	6.58E-05	3.31E-04
RDX	1.26E+00	3.38E+00	3.00E-03	1.00E-01	1.97E-07	1.75E-06	6.58E-05	5.82E-04
TNT	2.00E-01	3.40E-01	5.00E-04	1.00E-01	3.13E-08	1.76E-07	6.26E-05	3.51E-04
						Total Pathway Hazard Index	4.84E-04	2.90E-03

[a] Values reported as undetected (U-qualified, Table K-6) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-23a (Revised)
ILCR for Potential Inhalation Exposure of Trail Users to Sediment at the Cañon de Valle Alluvial Area, SWMU 16-021(c)-99 Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects								
Chemical Name	Air Concentration (mg/m^3)[a]		SF_i 1/(mg/kg/d)	Weight of Evidence	Intake Dose (mg/kg/d)		ILCR	
	CTE	RME			CTE	RME	CTE	RME
Antimony	9.80E-10	1.77E-09	NE	---	2.47E-13	7.92E-12	0.00E+00	0.00E+00
Arsenic	1.66E-09	1.76E-09	1.50E+01	A	4.19E-13	7.89E-12	6.28E-12	1.18E-10
Barium	3.94E-06	6.66E-06	---	D	9.91E-10	2.98E-08	0.00E+00	0.00E+00
Chromium	4.95E-09	6.66E-09	NE	D	1.24E-12	2.98E-11	0.00E+00	0.00E+00
Lead	2.21E-08	2.66E-08	NE	---	5.56E-12	1.19E-10	0.00E+00	0.00E+00
Manganese	2.69E-07	3.55E-07	NE	D	6.77E-11	1.59E-09	0.00E+00	0.00E+00
Silver	5.97E-09	8.05E-09	---	D	1.50E-12	3.60E-11	0.00E+00	0.00E+00
Thallium	3.88E-10	5.70E-10	NE	D	9.75E-14	2.55E-12	0.00E+00	0.00E+00
Uranium	1.57E-09	1.83E-09	NE	---	3.96E-13	8.19E-12	0.00E+00	0.00E+00
Benzo(a)pyrene	2.43E-10	3.42E-10	---	B2	6.12E-14	1.53E-12	0.00E+00	0.00E+00
Dinitrobenzene[1,3-]	1.06E-10	1.98E-10	---	D	2.68E-14	8.84E-13	0.00E+00	0.00E+00
Hexachlorobenzene	2.66E-10	3.34E-10	---	B2	6.69E-14	1.50E-12	0.00E+00	0.00E+00
Indeno(1,2,3-cd)pyrene	2.43E-10	3.34E-10	3.10E-01	B2	6.12E-14	1.50E-12	1.90E-14	4.64E-13
Nitrobenzene	1.60E-10	2.43E-10	---	D	4.02E-14	1.09E-12	0.00E+00	0.00E+00
RDX	9.57E-10	2.57E-09	1.10E-01	C	2.41E-13	1.15E-11	2.65E-14	1.26E-12
TNT	1.52E-10	2.58E-10	3.00E-02	C	3.82E-14	1.16E-12	1.15E-15	3.47E-14
						Total Pathway Cancer Risk	6.33E-12	1.20E-10

NE = Not established.
[a] Values reported as undetected in soil (U-qualified, Table K-6) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-23b (Revised)
HI for Potential Inhalation Exposure of Trail Users to Sediment at the Cañon de Valle Alluvial Area
SWMU 16-021(c)-99 Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects							
Chemical Name	Air Concentration (mg/m^3)[a]		RfD_i, (mg/kg/d)	Intake Dose (mg/kg/d)		HQ	
	CTE	RME		CTE	RME	CTE	RME
Antimony	9.80E-10	1.77E-09	NE	1.92E-12	2.22E-11	0.00E+00	0.00E+00
Arsenic	1.66E-09	1.76E-09	NE	3.26E-12	2.21E-11	0.00E+00	0.00E+00
Barium	3.94E-06	6.66E-06	1.40E-04	7.71E-09	8.34E-08	5.51E-05	5.95E-04
Chromium	4.95E-09	6.66E-09	NE	9.68E-12	8.35E-11	0.00E+00	0.00E+00
Lead	2.21E-08	2.66E-08	NE	4.33E-11	3.33E-10	0.00E+00	0.00E+00
Manganese	2.69E-07	3.55E-07	1.40E-05	5.26E-10	4.44E-09	3.76E-05	3.17E-04
Silver	5.97E-09	8.05E-09	---	1.17E-11	1.01E-10	0.00E+00	0.00E+00
Thallium	3.88E-10	5.70E-10	NE	7.58E-13	7.14E-12	0.00E+00	0.00E+00
Uranium	1.57E-09	1.83E-09	NE	3.08E-12	2.29E-11	0.00E+00	0.00E+00
Benzo(a)pyrene	2.43E-10	3.42E-10	---	4.76E-13	4.28E-12	0.00E+00	0.00E+00
Dinitrobenzene[1,3-]	1.06E-10	1.98E-10	---	2.08E-13	2.47E-12	0.00E+00	0.00E+00
Hexachlorobenzene	2.66E-10	3.34E-10	---	5.20E-13	4.19E-12	0.00E+00	0.00E+00
Indeno(1,2,3-cd)pyrene	2.43E-10	3.34E-10	3.00E-02	4.76E-13	4.19E-12	1.59E-11	1.40E-10
Nitrobenzene	1.60E-10	2.43E-10	---	3.12E-13	3.05E-12	0.00E+00	0.00E+00
RDX	9.57E-10	2.57E-09	3.00E-03	1.87E-12	3.22E-11	6.25E-10	1.07E-08
TNT	1.52E-10	2.58E-10	5.00E-04	2.97E-13	3.24E-12	5.95E-10	6.47E-09
					Total Pathway Hazard Index	9.27E-05	9.13E-04

NE = Not established.
[a] Values reported as undetected in soil (U-qualified, Table K-6) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-24a (Revised)
ILCR for Potential Ingestion Exposure of Trail Users to Surface Water at the Cañon de Valle Alluvial Area, SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects								
Chemical Name	Concentration in Surface Water (mg/L)[a]		SF_o 1/(mg/kg/d)	Weight of Evidence	Intake Dose (mg/kg/d)		ILCR	
	CTE	RME			CTE	RME	CTE	RME
Arsenic	1.90E-03	3.03E-03	1.50E+00	A	5.98E-09	2.12E-07	8.96E-09	3.18E-07
Barium	2.07E+00	2.86E+00	---	D	6.49E-06	2.00E-04	0.00E+00	0.00E+00
Cesium	4.00E-01	7.00E-01	---	---	1.26E-06	4.89E-05	0.00E+00	0.00E+00
Iron	1.17E+00	1.66E+00	---	---	3.69E-06	1.16E-04	0.00E+00	0.00E+00
Lead	2.33E-03	3.79E-03	---	---	7.33E-09	2.65E-07	0.00E+00	0.00E+00
Manganese	1.06E-01	1.74E-01	---	D	3.33E-07	1.22E-05	0.00E+00	0.00E+00
Rubidium	3.67E-01	6.00E-01	---	---	1.15E-06	4.19E-05	0.00E+00	0.00E+00
Silver	2.52E-03	4.51E-03	---	D	7.93E-09	3.15E-07	0.00E+00	0.00E+00
Thallium	1.26E-03	1.59E-03	---	D	3.96E-09	1.11E-07	0.00E+00	0.00E+00
Uranium	6.69E-03	1.42E-02	---	---	2.10E-08	9.92E-07	0.00E+00	0.00E+00
Amino-2,6-dinitrotoluene[4-]	3.92E-03	6.82E-03	6.80E-01	B2	1.23E-08	4.77E-07	8.38E-09	3.24E-07
Amino-4,6-dinitrotoluene[2-]	3.51E-03	6.08E-03	6.80E-01	B2	1.10E-08	4.25E-07	7.51E-09	2.89E-07
Bis(2-ethylhexyl)phthalate	4.73E-03	5.60E-03	1.40E-02	B2	1.49E-08	3.91E-07	2.08E-10	5.48E-09
Bromomethane	4.35E-03	4.61E-03	---	D	1.37E-08	3.22E-07	0.00E+00	0.00E+00
Chloromethane	4.69E-03	6.13E-03	1.30E-02	D	1.48E-08	4.28E-07	1.92E-10	5.57E-09
Dichloroethane[1,2-]	2.33E-03	2.82E-03	9.10E-02	B2	7.33E-09	1.97E-07	6.67E-10	1.79E-08
Dinitro-2-methylphenol[4,6-]	2.46E-02	2.85E-02	---	---	7.74E-08	1.99E-06	0.00E+00	0.00E+00

Table K-24a (Revised) (concluded)

Carcinogenic Effects								
Chemical Name	Concentration in Surface Water (mg/L)[a]		SF_0 1/(mg/kg/d)	Weight of Evidence	Intake Dose (mg/kg/d)		ILCR	
	CTE	RME			CTE	RME	CTE	RME
Dinitrobenzene[1,3-]	7.00E-04	1.40E-03	---	D	2.20E-09	9.78E-08	0.00E+00	0.00E+00
Dinitrotoluene[2,6-]	1.96E-03	3.01E-03	6.80E-01	B2	6.16E-09	2.10E-07	4.19E-09	1.43E-07
DNX	3.20E-04	5.70E-04	1.10E-01	C	1.01E-09	3.98E-08	1.11E-10	4.38E-09
Methylene chloride	2.60E-03	3.53E-03	7.50E-03	B2	8.18E-09	2.47E-07	6.13E-11	1.85E-09
MNX	2.90E-04	4.70E-04	1.10E-01	C	9.12E-10	3.28E-08	1.00E-10	3.61E-09
Naphthalene	3.96E-03	4.57E-03	---	C	1.25E-08	3.19E-07	0.00E+00	0.00E+00
Nitrate-Nitrite as N	3.56E+01	1.86E+02	---	---	1.12E-04	1.30E-02	0.00E+00	0.00E+00
Nitrobenzene	2.95E-03	4.48E-03	---	D	9.28E-09	3.13E-07	0.00E+00	0.00E+00
Nitrotoluene[4-]	2.93E-03	5.24E-03	---	---	9.22E-09	3.66E-07	0.00E+00	0.00E+00
Perchlorate	3.26E-03	4.81E-03	---	---	1.03E-08	3.36E-07	0.00E+00	0.00E+00
RDX	8.24E-02	1.27E-01	1.10E-01	C	2.59E-07	8.88E-06	2.85E-08	9.76E-07
Tetrachloroethene	2.24E-03	2.52E-03	5.40E-01	---	7.05E-09	1.76E-07	3.80E-09	9.51E-08
Trichloroethene	2.26E-03	2.53E-03	4.00E-01	---	7.11E-09	1.77E-07	2.84E-09	7.07E-08
TNT	1.19E-03	2.33E-03	3.00E-02	C	3.74E-09	1.63E-07	1.12E-10	4.89E-09
						Total Pathway Cancer Risk	6.57E-08	2.26E-06

[a] Values reported as undetected in soil (U-qualified, Table K-6) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-24b (Revised)
HI for Potential Ingestion Exposure of Trail Users to Surface Water at the Cañon de Valle Alluvial Area, SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects							
Chemical Name	Concentration in Surface Water (mg/L)[a]		RfD_o (mg/kg/d)	Intake Dose (mg/kg/d)		HQ	
	CTE	RME		CTE	RME	CTE	RME
Arsenic	1.90E-03	3.03E-03	3.00E-04	4.65E-08	3.72E-07	1.55E-04	1.24E-03
Barium	2.07E+00	2.86E+00	7.00E-02	5.05E-05	4.04E-04	7.22E-04	5.77E-03
Cesium	4.00E-01	7.00E-01	---	9.78E-06	7.83E-05	0.00E+00	0.00E+00
Iron	1.17E+00	1.66E+00	3.00E-01	2.87E-05	2.29E-04	9.56E-05	7.65E-04
Lead	2.33E-03	3.79E-03	---	5.70E-08	4.56E-07	0.00E+00	0.00E+00
Manganese	1.06E-01	1.74E-01	1.40E-01	2.59E-06	2.07E-05	1.85E-05	1.48E-04
Rubidium	3.67E-01	6.00E-01	---	8.98E-06	7.18E-05	0.00E+00	0.00E+00
Silver	2.52E-03	4.51E-03	5.00E-03	6.16E-08	4.93E-07	1.23E-05	9.86E-05
Thallium	1.26E-03	1.59E-03	8.00E-05	3.08E-08	2.47E-07	3.85E-04	3.08E-03
Uranium	6.69E-03	1.42E-02	3.00E-03	1.64E-07	1.31E-06	5.45E-05	4.36E-04
Amino-2,6-dinitrotoluene[4-]	3.92E-03	6.82E-03	1.00E-03	9.59E-08	7.67E-07	9.59E-05	7.67E-04
Amino-4,6-dinitrotoluene[2-]	3.51E-03	6.08E-03	1.00E-03	8.59E-08	6.87E-07	8.59E-05	6.87E-04
Bis(2-ethylhexyl)phthalate	4.73E-03	5.60E-03	2.00E-02	1.16E-07	9.26E-07	5.79E-06	4.63E-05
Bromomethane	4.35E-03	4.61E-03	1.40E-03	1.06E-07	8.51E-07	7.60E-05	6.08E-04
Chloromethane	4.69E-03	6.13E-03	---	1.15E-07	9.18E-07	0.00E+00	0.00E+00
Dichloroethane[1,2-]	2.33E-03	2.82E-03	3.00E-02	5.70E-08	4.56E-07	1.90E-06	1.52E-05
Dinitro-2-methylphenol[4,6-]	2.46E-02	2.85E-02	---	6.02E-07	4.81E-06	0.00E+00	0.00E+00

Table K-24b (Revised) (concluded)

Non-Carcinogenic Effects							
Chemical Name	Concentration in Surface Water (mg/L)[a]		RfD_o (mg/kg/d)	Intake Dose (mg/kg/d)		HQ	
	CTE	RME		CTE	RME	CTE	RME
Dinitrobenzene[1,3-]	7.00E-04	1.40E-03	1.00E-04	1.71E-08	1.37E-07	1.71E-04	1.37E-03
Dinitrotoluene[2,6-]	1.96E-03	3.01E-03	1.00E-03	4.79E-08	3.84E-07	4.79E-05	3.84E-04
DNX	3.20E-04	5.70E-04	3.00E-03	7.83E-09	6.26E-08	2.61E-06	2.09E-05
Methylene chloride	2.60E-03	3.53E-03	6.00E-02	6.36E-08	5.09E-07	1.06E-06	8.48E-06
MNX	2.90E-04	4.70E-04	3.00E-03	7.09E-09	5.68E-08	2.36E-06	1.89E-05
Naphthalene	3.96E-03	4.57E-03	2.00E-02	9.69E-08	7.75E-07	4.84E-06	3.87E-05
Nitrate-Nitrite as N	3.56E+01	1.86E+02	1.60E+00	8.71E-04	6.97E-03	5.44E-04	4.35E-03
Nitrobenzene	2.95E-03	4.48E-03	5.00E-04	7.22E-08	5.77E-07	1.44E-04	1.15E-03
Nitrotoluene[4-]	2.93E-03	5.24E-03	1.00E-02	7.17E-08	5.73E-07	7.17E-06	5.73E-05
Perchlorate	3.26E-03	4.81E-03	1.00E-04	7.97E-08	6.38E-07	7.97E-04	6.38E-03
RDX	8.24E-02	1.27E-01	3.00E-03	2.02E-06	1.61E-05	6.72E-04	5.38E-03
Tetrachloroethene	2.24E-03	2.52E-03	1.00E-02	5.48E-08	4.38E-07	5.48E-06	4.38E-05
Trichloroethene	2.26E-03	2.53E-03	3.00E-04	5.53E-08	4.42E-07	1.84E-04	1.47E-03
TNT	1.19E-03	2.33E-03	5.00E-04	2.91E-08	2.33E-07	5.82E-05	4.66E-04
					Total Pathway Hazard Index	4.35E-03	3.48E-02

[a] Values reported as undetected in soil (U-qualified, Table K-6) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-25a (Revised)
ILCR for Potential Dermal Contact Exposure of Trail Users to Surface Water at the Cañon de Valle Alluvial Area, SWMU 16-021(c)-99
Los Alamos National Laboratory, Los Alamos, New Mexico

Carcinogenic Effects									
Chemical Name	Concentration in Surface Water (mg/L)[a]		SF 1/(mg/kg/d)	PC (unitless)	Weight of Evidence	DAD (mg/kg/d)		ILCR	
	CTE	RME				CTE	RME	CTE	RME
Arsenic	1.90E-03	3.03E-03	1.50E+00	1.00E-03	A	9.56E-10	2.80E-08	1.43E-09	4.19E-08
Barium	2.07E+00	2.86E+00	---	1.00E-03	D	1.04E-06	2.64E-05	0.00E+00	0.00E+00
Cesium	4.00E-01	7.00E-01	---	1.00E-03	---	2.01E-07	6.46E-06	0.00E+00	0.00E+00
Iron	1.17E+00	1.66E+00	---	1.00E-03	---	5.90E-07	1.53E-05	0.00E+00	0.00E+00
Lead	2.33E-03	3.79E-03	---	1.00E-03	---	1.17E-09	3.50E-08	0.00E+00	0.00E+00
Manganese	1.06E-01	1.74E-01	---	1.00E-03	D	5.33E-08	1.61E-06	0.00E+00	0.00E+00
Rubidium	3.67E-01	6.00E-01	---	1.00E-03	---	1.85E-07	5.54E-06	0.00E+00	0.00E+00
Silver	2.52E-03	4.51E-03	---	6.00E-04	D	7.61E-10	2.50E-08	0.00E+00	0.00E+00
Thallium	1.26E-03	1.59E-03	---	1.00E-03	D	6.34E-10	1.47E-08	0.00E+00	0.00E+00
Uranium	6.69E-03	1.42E-02	---	1.00E-03	---	3.37E-09	1.31E-07	0.00E+00	0.00E+00
Amino-2,6-dinitrotoluene[4-]	3.92E-03	6.82E-03	6.80E-01	2.10E-03	B2	4.14E-09	1.32E-07	2.82E-09	8.98E-08
Amino-4,6-dinitrotoluene[2-]	3.51E-03	6.08E-03	6.80E-01	2.10E-03	B2	3.71E-09	1.18E-07	2.52E-09	8.01E-08
Bis(2-ethylhexyl)phthalate	4.73E-03	5.60E-03	1.40E-02	2.50E-02	B2	5.95E-08	1.29E-06	8.33E-10	1.81E-08
Bromomethane	4.35E-03	4.61E-03	---	1.00E-03	D	2.19E-09	4.25E-08	0.00E+00	0.00E+00
Chloromethane	4.69E-03	6.13E-03	1.30E-02	3.30E-03	D	7.79E-09	1.87E-07	1.01E-10	2.43E-09
Dichloroethane[1,2-]	2.33E-03	2.82E-03	9.10E-02	4.20E-03	B2	4.92E-09	1.09E-07	4.48E-10	9.94E-09

Table K-25a (Revised) (concluded)

Carcinogenic Effects									
Chemical Name	Concentration in Surface Water (mg/L)[a]		SF 1/(mg/kg/d)	PC (unitless)	Weight of Evidence	DAD (mg/kg/d)		ILCR	
	CTE	RME				CTE	RME	CTE	RME
Dinitro-2-methylphenol[4,6-]	2.46E-02	2.85E-02	---	1.00E-03	---	1.24E-08	2.63E-07	0.00E+00	0.00E+00
Dinitrobenzene[1,3-]	7.00E-04	1.40E-03	---	1.00E-03	D	3.52E-10	1.29E-08	0.00E+00	0.00E+00
Dinitrotoluene[2,6-]	1.96E-03	3.01E-03	6.80E-01	2.10E-03	B2	2.07E-09	5.83E-08	1.41E-09	3.97E-08
DNX	3.20E-04	5.70E-04	1.10E-01	1.00E-03	C	1.61E-10	5.26E-09	1.77E-11	5.78E-10
Methylene chloride	2.60E-03	3.53E-03	7.50E-03	3.50E-03	B2	4.58E-09	1.14E-07	3.43E-11	8.55E-10
MNX	2.90E-04	4.70E-04	1.10E-01	1.00E-03	C	1.46E-10	4.34E-09	1.61E-11	4.77E-10
Naphthalene	3.96E-03	4.57E-03	---	1.00E-03	C	1.99E-09	4.22E-08	0.00E+00	0.00E+00
Nitrate-Nitrite as N	3.56E+01	1.86E+02	---	1.00E-03	---	1.79E-05	1.71E-03	0.00E+00	0.00E+00
Nitrobenzene	2.95E-03	4.48E-03	---	1.00E-03	D	1.48E-09	4.13E-08	0.00E+00	0.00E+00
Nitrotoluene[4-]	2.93E-03	5.24E-03	---	1.00E-03	---	1.47E-09	4.83E-08	0.00E+00	0.00E+00
Perchlorate	3.26E-03	4.81E-03	---	1.00E-03	---	1.64E-09	4.44E-08	0.00E+00	0.00E+00
RDX	8.24E-02	1.27E-01	1.10E-01	1.00E-03	C	4.15E-08	1.17E-06	4.56E-09	1.29E-07
Tetrachloroethene	2.24E-03	2.52E-03	5.40E-01	1.00E-03	---	1.13E-09	2.32E-08	6.09E-10	1.26E-08
Trichloroethene	2.26E-03	2.53E-03	4.00E-01	1.00E-03	---	1.14E-09	2.33E-08	4.55E-10	9.34E-09
TNT	1.19E-03	2.33E-03	3.00E-02	5.00E-02	C	2.99E-08	1.07E-06	8.98E-10	3.22E-08
Total Pathway Cancer Risk								1.62E-08	4.67E-07

NE = Not established.
[a] Values reported as undetected in soil (U-qualified, Table K-6) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-25b (Revised)
HI for Potential Dermal Contact Exposure of Trail Users to Surface Water at the Cañon de Valle Alluvial Area
SWMU 16-021(c)-99 Los Alamos National Laboratory, Los Alamos, New Mexico

Non-Carcinogenic Effects								
Chemical Name	Concentration in Surface Water (mg/L)[a]		RfD_o (mg/kg/d)	PC (unitless)	DAD (mg/kg/d)		HQ	
	CTE	RME			CTE	RME	CTE	RME
Arsenic	1.90E-03	3.03E-03	3.00E-04	1.00E-03	7.44E-09	7.83E-08	2.48E-05	2.61E-04
Barium	2.07E+00	2.86E+00	7.00E-02	1.00E-03	8.08E-06	7.39E-05	1.15E-04	1.06E-03
Cesium	4.00E-01	7.00E-01	---	1.00E-03	1.57E-06	1.81E-05	0.00E+00	0.00E+00
Iron	1.17E+00	1.66E+00	3.00E-01	1.00E-03	4.59E-06	4.29E-05	1.53E-05	1.43E-04
Lead	2.33E-03	3.79E-03	---	1.00E-03	9.12E-09	9.79E-08	0.00E+00	0.00E+00
Manganese	1.06E-01	1.74E-01	1.40E-01	1.00E-03	4.15E-07	4.49E-06	2.96E-06	3.21E-05
Rubidium	3.67E-01	6.00E-01	---	1.00E-03	1.44E-06	1.55E-05	0.00E+00	0.00E+00
Silver	2.52E-03	4.51E-03	5.00E-03	6.00E-04	5.92E-09	6.99E-08	1.18E-06	1.40E-05
Thallium	1.26E-03	1.59E-03	8.00E-05	1.00E-03	4.93E-09	4.11E-08	6.16E-05	5.13E-04
Uranium	6.69E-03	1.42E-02	3.00E-03	1.00E-03	2.62E-08	3.67E-07	8.73E-06	1.22E-04
Amino-2,6-dinitrotoluene[4-]	3.92E-03	6.82E-03	1.00E-03	2.10E-03	3.22E-08	3.70E-07	3.22E-05	3.70E-04
Amino-4,6-dinitrotoluene[2-]	3.51E-03	6.08E-03	1.00E-03	2.10E-03	2.88E-08	3.30E-07	2.88E-05	3.30E-04
Bis(2-ethylhexyl)phthalate	4.73E-03	5.60E-03	2.00E-02	2.50E-02	4.63E-07	3.62E-06	2.31E-05	1.81E-04
Bromomethane	4.35E-03	4.61E-03	1.40E-03	1.00E-03	1.70E-08	1.19E-07	1.22E-05	8.51E-05
Chloromethane	4.69E-03	6.13E-03	---	3.30E-03	6.06E-08	5.23E-07	0.00E+00	0.00E+00
Dichloroethane[1,2-]	2.33E-03	2.82E-03	3.00E-02	4.20E-03	3.83E-08	3.06E-07	1.28E-06	1.02E-05
Dinitro-2-methylphenol[4,6-]	2.46E-02	2.85E-02	---	1.00E-03	9.63E-08	7.36E-07	0.00E+00	0.00E+00

Table K-25b (Revised) (concluded)

Non-Carcinogenic Effects								
Chemical Name	Concentration in Surface Water (mg/L)[a]		RfD_o (mg/kg/d)	PC (unitless)	DAD (mg/kg/d)		HQ	
	CTE	RME			CTE	RME	CTE	RME
Dinitrobenzene[1,3-]	7.00E-04	1.40E-03	1.00E-04	1.00E-03	2.74E-09	3.62E-08	2.74E-05	3.62E-04
Dinitrotoluene[2,6-]	1.96E-03	3.01E-03	1.00E-03	2.10E-03	1.61E-08	1.63E-07	1.61E-05	1.63E-04
DNX	3.20E-04	5.70E-04	3.00E-03	1.00E-03	1.25E-09	1.47E-08	4.17E-07	4.91E-06
Methylene chloride	2.60E-03	3.53E-03	6.00E-02	3.50E-03	3.56E-08	3.19E-07	5.94E-07	5.32E-06
MNX	2.90E-04	4.70E-04	3.00E-03	1.00E-03	1.14E-09	1.21E-08	3.78E-07	4.05E-06
Naphthalene	3.96E-03	4.57E-03	2.00E-02	1.00E-03	1.55E-08	1.18E-07	7.75E-07	5.90E-06
Nitrate-Nitrite as N	3.56E+01	1.86E+02	1.60E+00	1.00E-03	1.39E-04	4.80E-03	8.71E-05	3.00E-03
Nitrobenzene	2.95E-03	4.48E-03	5.00E-04	1.00E-03	1.15E-08	1.16E-07	2.31E-05	2.31E-04
Nitrotoluene[4-]	2.93E-03	5.24E-03	1.00E-02	1.00E-03	1.15E-08	1.35E-07	1.15E-06	1.35E-05
Perchlorate	3.26E-03	4.81E-03	1.00E-04	1.00E-03	1.28E-08	1.24E-07	1.28E-04	1.24E-03
RDX	8.24E-02	1.27E-01	3.00E-03	1.00E-03	3.23E-07	3.28E-06	1.08E-04	1.09E-03
Tetrachloroethene	2.24E-03	2.52E-03	1.00E-02	1.00E-03	8.77E-09	6.51E-08	8.77E-07	6.51E-06
Trichloroethene	2.26E-03	2.53E-03	3.00E-04	1.00E-03	8.85E-09	6.54E-08	2.95E-05	2.18E-04
TNT	1.19E-03	2.33E-03	5.00E-04	5.00E-02	2.33E-07	3.01E-06	4.66E-04	6.02E-03
						Total Pathway Hazard Index	1.22E-03	1.55E-02

[a] Values reported as undetected in soil (U-qualified, Table K-6) were replaced by a concentration equal to 1/2 of the reported detection limit.
--- = Toxicity value not available or not applicable.

Table K-26a (Revised)
ILCR to Trail User from Potential Exposure to Sediment and Surface Water
SWMU 16-021(c)-99 Cañon de Valle Alluvial Area, Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical	Sediment Ingestion Cancer Risk (ILCR)		Sediment Dermal Cancer Risk (ILCR)		Sediment Inhalation Cancer Risk (ILCR)		Surface Water Ingestion Cancer Risk (ILCR)		Surface Water Dermal Cancer Risk (ILCR)	
	CTE	RME	CTE	RME	CTE	RME	CTE	RME	CTE	RME
Antimony	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	†	†	†	†
Arsenic	5.17E-09	1.22E-07	0.00E+00	0.00E+00	6.28E-12	1.18E-10	8.96E-09	3.18E-07	1.43E-09	4.19E-08
Barium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Cesium	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chromium	4.30E-07	1.29E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	†	†	†	†
Iron	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Lead	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Rubidium	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Silver	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Thallium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Uranium	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Amino-2,6-dinitrotoluene[4-]	†	†	†	†	†	†	8.38E-09	3.24E-07	2.82E-09	8.98E-08
Amino-4,6-dinitrotoluene[2-]	†	†	†	†	†	†	7.51E-09	2.89E-07	2.52E-09	8.01E-08
Benzo(a)pyrene	3.67E-09	1.15E-07	6.11E-08	7.88E-07	0.00E+00	0.00E+00	†	†	†	†

Table K-26a (Revised) (continued)

Chemical	Sediment Ingestion Cancer Risk (ILCR)		Sediment Dermal Cancer Risk (ILCR)		Sediment Inhalation Cancer Risk (ILCR)		Surface Water Ingestion Cancer Risk (ILCR)		Surface Water Dermal Cancer Risk (ILCR)	
	CTE	RME	CTE	RME	CTE	RME	CTE	RME	CTE	RME
Bis(2-ethylhexyl)phthalate	†	†	†	†	†	†	2.08E-10	5.48E-09	8.33E-10	1.81E-08
Bromomethane	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chloromethane	†	†	†	†	†	†	1.92E-10	5.57E-09	1.01E-10	2.43E-09
Dichloroethane[1,2-]	†	†	†	†	†	†	6.67E-10	1.79E-08	4.48E-10	9.94E-09
Dinitro-2-methylphenol[4,6-]	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dinitrobenzene[1,3-]	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dinitrotoluene[2,6-]	†	†	†	†	†	†	4.19E-09	1.43E-07	1.41E-09	3.97E-08
DNX	†	†	†	†	†	†	1.11E-10	4.38E-09	1.77E-11	5.78E-10
Hexachlorobenzene	8.81E-10	2.46E-08	1.13E-08	1.30E-07	0.00E+00	0.00E+00	†	†	†	†
Indeno(1,2,3-cd)pyrene	3.67E-10	1.12E-08	6.11E-09	7.70E-08	1.90E-14	4.64E-13	†	†	†	†
Methylene chloride	†	†	†	†	†	†	6.13E-11	1.85E-09	3.43E-11	8.55E-10
MNX	†	†	†	†	†	†	1.00E-10	3.61E-09	1.61E-11	4.77E-10
Naphthalene	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nitrate-Nitrite as N	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nitrobenzene	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nitrotoluene[4-]	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Table K-26a (Revised) (concluded)

Chemical	Sediment Ingestion Cancer Risk (ILCR)		Sediment Dermal Cancer Risk (ILCR)		Sediment Inhalation Cancer Risk (ILCR)		Surface Water Ingestion Cancer Risk (ILCR)		Surface Water Dermal Cancer Risk (ILCR)	
	CTE	RME	CTE	RME	CTE	RME	CTE	RME	CTE	RME
Perchlorate	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RDX	2.18E-10	1.30E-08	2.79E-09	6.86E-08	2.65E-14	1.26E-12	2.85E-08	9.76E-07	4.56E-09	1.29E-07
Tetrachloroethene	†	†	†	†	†	†	3.80E-09	9.51E-08	6.09E-10	1.26E-08
Trichloroethene	†	†	†	†	†	†	2.84E-09	7.07E-08	4.55E-10	9.34E-09
TNT	9.44E-12	3.56E-10	1.21E-10	1.88E-09	1.15E-15	3.47E-14	1.12E-10	4.89E-09	8.98E-10	3.22E-08
Total Pathway ILCR	4.40E-07	1.32E-05	8.14E-08	1.07E-06	6.33E-12	1.20E-10	6.57E-08	2.26E-06	1.62E-08	4.67E-07
Total CTE ILCR for All Pathways and All Media[a]	6E-07									
Total RME ILCR for All Pathways and All Media[a]	2E-05									

[a] Total ILCR reported to one significant figure.
† = Analyte is not a risk driver for this media.

Table K-26b (Revised)
Noncancer Hazard to Trail User from Potential Exposure to Sediment and Surface Water
SWMU 16-021(c)-99 Cañon de Valle Alluvial Area, Los Alamos National Laboratory, Los Alamos, New Mexico

Chemical	Sediment Ingestion HQ		Sediment Dermal HQ		Sediment Inhalation HQ		Surface Water Ingestion HQ		Surface Water Dermal HQ	
	CTE	RME	CTE	RME	CTE	RME	CTE	RME	CTE	RME
Antimony	3.94E-05	3.16E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	†	†	†	†
Arsenic	8.93E-05	7.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-04	1.24E-03	2.48E-05	2.61E-04
Barium	9.06E-04	7.24E-03	0.00E+00	0.00E+00	5.51E-05	5.95E-04	7.22E-04	5.77E-03	1.15E-04	1.06E-03
Cesium	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Chromium	5.31E-08	4.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	†	†	†	†
Iron	†	†	†	†	†	†	9.56E-05	7.65E-04	1.53E-05	1.43E-04
Lead	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Manganese	3.09E-05	2.47E-04	0.00E+00	0.00E+00	3.76E-05	3.17E-04	1.85E-05	1.48E-04	2.96E-06	3.21E-05
Rubidium	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Silver	1.92E-05	1.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-05	9.86E-05	1.18E-06	1.40E-05
Thallium	7.80E-05	6.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.85E-04	3.08E-03	6.16E-05	5.13E-04
Uranium	8.44E-06	6.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-05	4.36E-04	8.73E-06	1.22E-04
Amino-2,6-dinitrotoluene[4-]	†	†	†	†	†	†	9.59E-05	7.67E-04	3.22E-05	3.70E-04
Amino-4,6-dinitrotoluene[2-]	†	†	†	†	†	†	8.59E-05	6.87E-04	2.88E-05	3.30E-04
Benzo(a)pyrene	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	†	†	†	†
Bis(2-ethylhexyl)phthalate	†	†	†	†	†	†	5.79E-06	4.63E-05	2.31E-05	1.81E-04

Table K-26b (Revised) (continued)

Chemical	Sediment Ingestion HQ		Sediment Dermal HQ		Sediment Inhalation HQ		Surface Water Ingestion HQ		Surface Water Dermal HQ	
	CTE	RME	CTE	RME	CTE	RME	CTE	RME	CTE	RME
Bromomethane	†	†	†	†	†	†	7.60E-05	6.08E-04	1.22E-05	8.51E-05
Chloromethane	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dichloroethane[1,2-]	†	†	†	†	†	†	1.90E-06	1.52E-05	1.28E-06	1.02E-05
Dinitro-2-methylphenol[4,6-]	†	†	†	†	†	†	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dinitrobenzene[1,3-]	1.71E-05	1.37E-04	2.19E-04	1.34E-03	0.00E+00	0.00E+00	1.71E-04	1.37E-03	2.74E-05	3.62E-04
Dinitrotoluene[2,6-]	†	†	†	†	†	†	4.79E-05	3.84E-04	1.61E-05	1.63E-04
DNX	†	†	†	†	†	†	2.61E-06	2.09E-05	4.17E-07	4.91E-06
Hexachlorobenzene	5.35E-06	4.28E-05	6.85E-05	2.84E-04	0.00E+00	0.00E+00	†	†	†	†
Indeno(1,2,3-cd)pyrene	1.30E-07	1.04E-06	2.17E-06	9.85E-06	1.59E-11	1.40E-10	†	†	†	†
Methylene chloride	†	†	†	†	†	†	1.06E-06	8.48E-06	5.94E-07	5.32E-06
MNX	†	†	†	†	†	†	2.36E-06	1.89E-05	3.78E-07	4.05E-06
Naphthalene	†	†	†	†	†	†	4.84E-06	3.87E-05	7.75E-07	5.90E-06
Nitrate-Nitrite as N	†	†	†	†	†	†	5.44E-04	4.35E-03	8.71E-05	3.00E-03
Nitrobenzene	5.14E-06	4.11E-05	6.58E-05	3.31E-04	0.00E+00	0.00E+00	1.44E-04	1.15E-03	2.31E-05	2.31E-04
Nitrotoluene[4-]	†	†	†	†	†	†	7.17E-06	5.73E-05	1.15E-06	1.35E-05
Perchlorate	†	†	†	†	†	†	7.97E-04	6.38E-03	1.28E-04	1.24E-03
RDX	5.14E-06	4.11E-05	6.58E-05	5.82E-04	6.25E-10	1.07E-08	6.72E-04	5.38E-03	1.08E-04	1.09E-03
Tetrachloroethene	†	†	†	†	†	†	5.48E-06	4.38E-05	8.77E-07	6.51E-06

Table K-26b (Revised) (concluded)

Chemical	Sediment Ingestion HQ		Sediment Dermal HQ		Sediment Inhalation HQ		Surface Water Ingestion HQ		Surface Water Dermal HQ	
	CTE	RME	CTE	RME	CTE	RME	CTE	RME	CTE	RME
Trichloroethene	†	†	†	†	†	†	1.84E-04	1.47E-03	2.95E-05	2.18E-04
TNT	4.89E-06	3.91E-05	6.26E-05	3.51E-04	5.95E-10	6.47E-09	5.82E-05	4.66E-04	4.66E-04	6.02E-03
Pathway HI	1.21E-03	9.67E-03	4.84E-04	2.90E-03	9.27E-05	9.13E-04	4.35E-03	3.48E-02	1.22E-03	1.55E-02
Total CTE HI for All Pathways and All Media[a]	7E-03									
Total RME HI for All Pathways and All Media[a]	6E-02									

[a] Total ILCR reported to one significant figure.
† = Analyte is not a risk driver for this media.

Supplemental Table L.1
Summary of the Ecorisk Database History Post Release 1.2 (Non-radionuclides Only)

Release	New ESLs	Updated ESLs	Final ESL Changes	New TRVs	Updated TRVs	New PTSE TRVs	Other Parameter Changes
Release 1.3	3	811	Not Reported	3	216	41	Numerous Changes. Details Not Reported.
Release 1.4	0	382	30	0	0	0	1940
Release 1.5	10	255	28	155	118	97	5
Release 2.0	3	234	22	88	37	51	5

TRV Derivation Reference Id	Author(s),Year	R-Reference_Citation_Full
0048	Suter II and Tsao, 1996	Suter II, GW, and CL Tsao. 1996 (Jun.). Toxicological Benchmarks for Screening Potential Contaminants of Concern for Effects on Aquatic Biota: 1996 Revision. ES/ER/TM-96/R2. Martin Marietta Energy Systems, Inc. Oak Ridge, Tennessee.
0092	IT Corporation, 1997	IT Corporation. 1997(Nov.). Predictive Ecological Risk Assessment Methodology Environmental Restoration Program Sandia National Laboratory, New Mexico. Sandia National Laboratory. Albuquerque, NM. Appendix A, Table A.1
0093	IT Corporation, 1997 and Sample et al., 1996	IT Corporation. 1997(Nov.). Predictive Ecological Risk Assessment Methodology Environmental Restoration Program Sandia National Laboratory, New Mexico. Sandia National Laboratory, Albuquerque, NM. And Sample, BE, DM Opresko, and GW Suter II. 1996(Jun.).
0094	Efroymson et al., 1997b	Efroymson, RA, ME Will, GW Suter II, and AC Wooten. 1997(Nov.). Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Terrestrial Plants: 1997 Revision. ES/ER/TM-85/R3. Lockheed Martin Energy Systems, Inc. Oak Ridge, TN.
0095	Efroymson et al., 1997 and LANL ECORISK database, 1998b	Efroymson, RA, ME Will, GW Suter II, and AC Wooten. 1997(Nov.). Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Terrestrial Plants: 1997 Revision. ES/ER/TM-85/R3. Lockheed Martin Energy Systems, Inc. Oak Ridge, TN.
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0428	Gallegos et al., 1997 and Weston, 1995	Gallegos, AF, GJ Gonzales, KD Bennett, LE Pratt, and DS Cram. 1997(Jun.). A Spatially-Dynamic Preliminary Risk Assessment of the Peregrine Falcon at the Los Alamos National Laboratory. LA-13321-MS. Los Alamos National Laboratory, Los Alamos, NM. And Roy
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2018	Gherardi, 2000	Gherardi, Silvia, "The Organizational Learning of Knowing in Action," in Handbook of Organizational Learning and Knowledge, ed. Mark Easterby-Smith and Mark A. Lyles (Oxford: Blackwell, 2003), 351–370.
2019	Gherardi, 2000	Gherardi, Silvia, "The Organizational Learning of Knowing in Action," in Handbook of Organizational Learning and Knowledge, ed. Mark Easterby-Smith and Mark A. Lyles (Oxford: Blackwell, 2003), 351–370.
2020	Gherardi, 2000	Gherardi, Silvia, "The Organizational Learning of Knowing in Action," in Handbook of Organizational Learning and Knowledge, ed. Mark Easterby-Smith and Mark A. Lyles (Oxford: Blackwell, 2003), 351–370.
2021	Gherardi, 2000	Gherardi, Silvia, "The Organizational Learning of Knowing in Action," in Handbook of Organizational Learning and Knowledge, ed. Mark Easterby-Smith and Mark A. Lyles (Oxford: Blackwell, 2003), 351–370.
2022	Gherardi, 2000	Gherardi, Silvia, "The Organizational Learning of Knowing in Action," in Handbook of Organizational Learning and Knowledge, ed. Mark Easterby-Smith and Mark A. Lyles (Oxford: Blackwell, 2003), 351–370.
2023	Gherardi, 2000	Gherardi, Silvia, "The Organizational Learning of Knowing in Action," in Handbook of Organizational Learning and Knowledge, ed. Mark Easterby-Smith and Mark A. Lyles (Oxford: Blackwell, 2003), 351–370.
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2026	Gherardi, 2000	Gherardi, Silvia, "The Organizational Learning of Knowing in Action," in Handbook of Organizational Learning and Knowledge, ed. Mark Easterby-Smith and Mark A. Lyles (Oxford: Blackwell, 2003), 351–370.
2027	Gherardi, 2000	Gherardi, Silvia, "The Organizational Learning of Knowing in Action," in Handbook of Organizational Learning and Knowledge, ed. Mark Easterby-Smith and Mark A. Lyles (Oxford: Blackwell, 2003), 351–370.
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D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Aquatic	Aquatic community organisms - sediment	SEDIMENT	8.70E-06	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Aquatic	Aquatic community organisms - water	WATER	3.80E-06	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American kestrel (Avian intermediate carnivore)	SOIL	2.90E-05	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American kestrel (Avian top carnivore)	SOIL	2.10E-05	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American kestrel (water)	WATER	1.10E-01	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American robin (Avian herbivore)	SOIL	3.70E-04	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American robin (Avian insectivore)	SOIL	1.40E-05	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American robin (Avian omnivore)	SOIL	2.70E-05	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American robin (water)	WATER	1.00E-01	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.90E-05	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	Violet-green Swallow (water)	WATER	5.70E-02	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	5.00E+00	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.60E-06	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Deer mouse (water)	WATER	5.20E-03	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.50E-04	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Desert cottontail (water)	WATER	1.00E-02	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.30E-06	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Occult little brown myotis bat (water)	WATER	6.20E-03	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.30E-06	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Red fox (water)	WATER	1.10E-02	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.80E-06	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Vagrant shrew (water)	WATER	4.40E-03	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Aquatic	Aquatic community organisms - water	WATER		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American kestrel (water)	WATER		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American robin (Avian herbivore)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American robin (Avian insectivore)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American robin (Avian omnivore)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American robin (water)	WATER		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	Violet-green Swallow (water)	WATER		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.10E+00	mg/kg
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Deer mouse (water)	WATER	1.00E+04	µg/L
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	6.90E+00	mg/kg
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Desert cottontail (water)	WATER	1.90E+04	µg/L
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	7.50E+00	mg/kg
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Occult little brown myotis bat (water)	WATER	1.10E+04	µg/L
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.40E+03	mg/kg
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Red fox (water)	WATER	2.20E+04	µg/L
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.60E+00	mg/kg
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Vagrant shrew (water)	WATER	8.50E+03	µg/L
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	8.00E+01	mg/kg
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Aquatic	Aquatic community organisms - water	WATER		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American kestrel (water)	WATER		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American robin (Avian herbivore)	SOIL		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American robin (Avian insectivore)	SOIL		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American robin (Avian omnivore)	SOIL		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American robin (water)	WATER		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	Violet-green Swallow (water)	WATER		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.10E+00	mg/kg
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Deer mouse (water)	WATER	1.40E+04	µg/L
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.00E+01	mg/kg
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Desert cottontail (water)	WATER	2.80E+04	µg/L
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.10E+01	mg/kg
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Occult little brown myotis bat (water)	WATER	1.70E+04	µg/L
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.00E+03	mg/kg
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Red fox (water)	WATER	3.20E+04	µg/L
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	8.30E+00	mg/kg
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Vagrant shrew (water)	WATER	1.20E+04	µg/L
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	8.00E+01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Dinitrobenzene[1,3-]	99-65-0	Aquatic	Aquatic community organisms - water	WATER	2.60E+01	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL	5.40E-03	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American kestrel (Avian top carnivore)	SOIL	2.10E-01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American kestrel (water)	WATER	3.50E+00	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American robin (Avian herbivore)	SOIL	2.20E-04	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American robin (Avian insectivore)	SOIL	7.40E-04	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American robin (Avian omnivore)	SOIL	3.40E-04	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American robin (water)	WATER	3.00E+00	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.00E-03	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	Violet-green Swallow (water)	WATER	1.70E+00	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.60E-01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Deer mouse (water)	WATER	5.90E+02	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.20E-01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Desert cottontail (water)	WATER	1.10E+03	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.70E-01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Occult little brown myotis bat (water)	WATER	7.10E+02	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	8.30E+01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Red fox (water)	WATER	1.30E+03	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.50E-01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Vagrant shrew (water)	WATER	5.00E+02	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.90E-01	mg/kg
HE	Dinitrotoluene[2,4-]	121-14-2	Aquatic	Aquatic community organisms - water	WATER	3.10E+02	µg/L
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American kestrel (water)	WATER		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American robin (Avian herbivore)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American robin (Avian insectivore)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American robin (Avian omnivore)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American robin (water)	WATER		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	Violet-green Swallow (water)	WATER		
HE	Dinitrotoluene[2,4-]	121-14-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.20E+00	mg/kg
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Deer mouse (water)	WATER	2.80E+03	µg/L
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.10E+00	mg/kg
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Desert cottontail (water)	WATER	5.50E+03	µg/L
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.10E+00	mg/kg
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Occult little brown myotis bat (water)	WATER	3.30E+03	µg/L
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.90E+02	mg/kg
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Red fox (water)	WATER	6.20E+03	µg/L
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E+00	mg/kg
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Vagrant shrew (water)	WATER	2.40E+03	µg/L
HE	Dinitrotoluene[2,4-]	121-14-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Dinitrotoluene[2,6-]	606-20-2	Aquatic	Aquatic community organisms - water	WATER	6.00E+01	µg/L
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American kestrel (water)	WATER		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American robin (Avian herbivore)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American robin (Avian insectivore)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American robin (Avian omnivore)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American robin (water)	WATER		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	Violet-green Swallow (water)	WATER		
HE	Dinitrotoluene[2,6-]	606-20-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	7.40E-01	mg/kg
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Deer mouse (water)	WATER	1.80E+03	µg/L
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.10E+00	mg/kg
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Desert cottontail (water)	WATER	3.70E+03	µg/L
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.40E+00	mg/kg
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Occult little brown myotis bat (water)	WATER	2.20E+03	µg/L
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.60E+02	mg/kg
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Red fox (water)	WATER	4.10E+03	µg/L
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.00E+00	mg/kg
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Vagrant shrew (water)	WATER	1.60E+03	µg/L
HE	Dinitrotoluene[2,6-]	606-20-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	HMX	2691-41-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	HMX	2691-41-0	Aquatic	Aquatic community organisms - water	WATER		
HE	HMX	2691-41-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	HMX	2691-41-0	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	HMX	2691-41-0	Bird	American kestrel (water)	WATER		
HE	HMX	2691-41-0	Bird	American robin (Avian herbivore)	SOIL		
HE	HMX	2691-41-0	Bird	American robin (Avian insectivore)	SOIL		
HE	HMX	2691-41-0	Bird	American robin (Avian omnivore)	SOIL		
HE	HMX	2691-41-0	Bird	American robin (water)	WATER		
HE	HMX	2691-41-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	HMX	2691-41-0	Bird	Violet-green Swallow (water)	WATER		
HE	HMX	2691-41-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	5.00E+02	mg/kg
HE	HMX	2691-41-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.60E+01	mg/kg
HE	HMX	2691-41-0	Mammal	Deer mouse (water)	WATER	3.90E+05	µg/L
HE	HMX	2691-41-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.90E+01	mg/kg
HE	HMX	2691-41-0	Mammal	Desert cottontail (water)	WATER	7.70E+05	µg/L
HE	HMX	2691-41-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.50E+02	mg/kg
HE	HMX	2691-41-0	Mammal	Occult little brown myotis bat (water)	WATER	4.70E+05	µg/L
HE	HMX	2691-41-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.50E+04	mg/kg
HE	HMX	2691-41-0	Mammal	Red fox (water)	WATER	8.70E+05	µg/L
HE	HMX	2691-41-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.60E+02	mg/kg
HE	HMX	2691-41-0	Mammal	Vagrant shrew (water)	WATER	3.30E+05	µg/L
HE	HMX	2691-41-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Nitroglycerine	55-63-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Nitroglycerine	55-63-0	Aquatic	Aquatic community organisms - water	WATER		
HE	Nitroglycerine	55-63-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Nitroglycerine	55-63-0	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Nitroglycerine	55-63-0	Bird	American kestrel (water)	WATER		
HE	Nitroglycerine	55-63-0	Bird	American robin (Avian herbivore)	SOIL		
HE	Nitroglycerine	55-63-0	Bird	American robin (Avian insectivore)	SOIL		
HE	Nitroglycerine	55-63-0	Bird	American robin (Avian omnivore)	SOIL		
HE	Nitroglycerine	55-63-0	Bird	American robin (water)	WATER		
HE	Nitroglycerine	55-63-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Nitroglycerine	55-63-0	Bird	Violet-green Swallow (water)	WATER		
HE	Nitroglycerine	55-63-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Nitroglycerine	55-63-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E+02	mg/kg
HE	Nitroglycerine	55-63-0	Mammal	Deer mouse (water)	WATER	5.00E+05	µg/L
HE	Nitroglycerine	55-63-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.20E+02	mg/kg
HE	Nitroglycerine	55-63-0	Mammal	Desert cottontail (water)	WATER	9.90E+05	µg/L
HE	Nitroglycerine	55-63-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.90E+02	mg/kg
HE	Nitroglycerine	55-63-0	Mammal	Occult little brown myotis bat (water)	WATER	6.00E+05	µg/L
HE	Nitroglycerine	55-63-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.10E+04	mg/kg
HE	Nitroglycerine	55-63-0	Mammal	Red fox (water)	WATER	1.10E+06	µg/L
HE	Nitroglycerine	55-63-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.90E+02	mg/kg
HE	Nitroglycerine	55-63-0	Mammal	Vagrant shrew (water)	WATER	4.30E+05	µg/L
HE	Nitroglycerine	55-63-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Nitrotoluene[2-]	88-72-2	Aquatic	Aquatic community organisms - water	WATER		
HE	Nitrotoluene[2-]	88-72-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Bird	American kestrel (water)	WATER		
HE	Nitrotoluene[2-]	88-72-2	Bird	American robin (Avian herbivore)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Bird	American robin (Avian insectivore)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Bird	American robin (Avian omnivore)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Bird	American robin (water)	WATER		
HE	Nitrotoluene[2-]	88-72-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Nitrotoluene[2-]	88-72-2	Bird	Violet-green Swallow (water)	WATER		
HE	Nitrotoluene[2-]	88-72-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	5.10E+00	mg/kg
HE	Nitrotoluene[2-]	88-72-2	Mammal	Deer mouse (water)	WATER	9.40E+03	µg/L
HE	Nitrotoluene[2-]	88-72-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.00E+01	mg/kg
HE	Nitrotoluene[2-]	88-72-2	Mammal	Desert cottontail (water)	WATER	1.80E+04	µg/L
HE	Nitrotoluene[2-]	88-72-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	6.80E+00	mg/kg
HE	Nitrotoluene[2-]	88-72-2	Mammal	Occult little brown myotis bat (water)	WATER	1.10E+04	µg/L
HE	Nitrotoluene[2-]	88-72-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.30E+03	mg/kg
HE	Nitrotoluene[2-]	88-72-2	Mammal	Red fox (water)	WATER	2.00E+04	µg/L
HE	Nitrotoluene[2-]	88-72-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.10E+00	mg/kg
HE	Nitrotoluene[2-]	88-72-2	Mammal	Vagrant shrew (water)	WATER	8.00E+03	µg/L
HE	Nitrotoluene[2-]	88-72-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Nitrotoluene[3-]	99-08-1	Aquatic	Aquatic community organisms - water	WATER		
HE	Nitrotoluene[3-]	99-08-1	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Bird	American kestrel (water)	WATER		
HE	Nitrotoluene[3-]	99-08-1	Bird	American robin (Avian herbivore)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Bird	American robin (Avian insectivore)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Bird	American robin (Avian omnivore)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Bird	American robin (water)	WATER		
HE	Nitrotoluene[3-]	99-08-1	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Nitrotoluene[3-]	99-08-1	Bird	Violet-green Swallow (water)	WATER		
HE	Nitrotoluene[3-]	99-08-1	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.80E+00	mg/kg
HE	Nitrotoluene[3-]	99-08-1	Mammal	Deer mouse (water)	WATER	1.10E+04	µg/L
HE	Nitrotoluene[3-]	99-08-1	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.50E+01	mg/kg
HE	Nitrotoluene[3-]	99-08-1	Mammal	Desert cottontail (water)	WATER	2.20E+04	µg/L
HE	Nitrotoluene[3-]	99-08-1	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	8.10E+00	mg/kg
HE	Nitrotoluene[3-]	99-08-1	Mammal	Occult little brown myotis bat (water)	WATER	1.30E+04	µg/L
HE	Nitrotoluene[3-]	99-08-1	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.60E+03	mg/kg
HE	Nitrotoluene[3-]	99-08-1	Mammal	Red fox (water)	WATER	2.50E+04	µg/L
HE	Nitrotoluene[3-]	99-08-1	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	6.20E+00	mg/kg
HE	Nitrotoluene[3-]	99-08-1	Mammal	Vagrant shrew (water)	WATER	9.80E+03	µg/L
HE	Nitrotoluene[3-]	99-08-1	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Nitrotoluene[4-]	99-99-0	Aquatic	Aquatic community organisms - water	WATER		
HE	Nitrotoluene[4-]	99-99-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Bird	American kestrel (water)	WATER		
HE	Nitrotoluene[4-]	99-99-0	Bird	American robin (Avian herbivore)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Bird	American robin (Avian insectivore)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Bird	American robin (Avian omnivore)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Bird	American robin (water)	WATER		
HE	Nitrotoluene[4-]	99-99-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Nitrotoluene[4-]	99-99-0	Bird	Violet-green Swallow (water)	WATER		
HE	Nitrotoluene[4-]	99-99-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.10E+01	mg/kg
HE	Nitrotoluene[4-]	99-99-0	Mammal	Deer mouse (water)	WATER	2.10E+04	µg/L
HE	Nitrotoluene[4-]	99-99-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.50E+01	mg/kg
HE	Nitrotoluene[4-]	99-99-0	Mammal	Desert cottontail (water)	WATER	4.10E+04	µg/L
HE	Nitrotoluene[4-]	99-99-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.50E+01	mg/kg
HE	Nitrotoluene[4-]	99-99-0	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+04	µg/L
HE	Nitrotoluene[4-]	99-99-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.90E+03	mg/kg
HE	Nitrotoluene[4-]	99-99-0	Mammal	Red fox (water)	WATER	4.60E+04	µg/L
HE	Nitrotoluene[4-]	99-99-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.10E+01	mg/kg
HE	Nitrotoluene[4-]	99-99-0	Mammal	Vagrant shrew (water)	WATER	1.70E+04	µg/L
HE	Nitrotoluene[4-]	99-99-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	PETN	78-11-5	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	PETN	78-11-5	Aquatic	Aquatic community organisms - water	WATER		
HE	PETN	78-11-5	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	PETN	78-11-5	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	PETN	78-11-5	Bird	American kestrel (water)	WATER		
HE	PETN	78-11-5	Bird	American robin (Avian herbivore)	SOIL		
HE	PETN	78-11-5	Bird	American robin (Avian insectivore)	SOIL		
HE	PETN	78-11-5	Bird	American robin (Avian omnivore)	SOIL		
HE	PETN	78-11-5	Bird	American robin (water)	WATER		
HE	PETN	78-11-5	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	PETN	78-11-5	Bird	Violet-green Swallow (water)	WATER		
HE	PETN	78-11-5	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	PETN	78-11-5	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.60E+04	mg/kg
HE	PETN	78-11-5	Mammal	Deer mouse (water)	WATER	3.10E+07	µg/L
HE	PETN	78-11-5	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.10E+05	mg/kg
HE	PETN	78-11-5	Mammal	Desert cottontail (water)	WATER	6.00E+07	µg/L
HE	PETN	78-11-5	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.90E+04	mg/kg
HE	PETN	78-11-5	Mammal	Occult little brown myotis bat (water)	WATER	3.70E+07	µg/L
HE	PETN	78-11-5	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.60E+06	mg/kg
HE	PETN	78-11-5	Mammal	Red fox (water)	WATER	6.80E+07	µg/L
HE	PETN	78-11-5	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.40E+04	mg/kg
HE	PETN	78-11-5	Mammal	Vagrant shrew (water)	WATER	2.60E+07	µg/L
HE	PETN	78-11-5	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	RDX	121-82-4	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	RDX	121-82-4	Aquatic	Aquatic community organisms - water	WATER		
HE	RDX	121-82-4	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	RDX	121-82-4	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	RDX	121-82-4	Bird	American kestrel (water)	WATER		
HE	RDX	121-82-4	Bird	American robin (Avian herbivore)	SOIL		
HE	RDX	121-82-4	Bird	American robin (Avian insectivore)	SOIL		
HE	RDX	121-82-4	Bird	American robin (Avian omnivore)	SOIL		
HE	RDX	121-82-4	Bird	American robin (water)	WATER		
HE	RDX	121-82-4	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	RDX	121-82-4	Bird	Violet-green Swallow (water)	WATER		
HE	RDX	121-82-4	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	5.00E+02	mg/kg
HE	RDX	121-82-4	Mammal	Deer mouse (Mammalian omnivore)	SOIL	7.30E+00	mg/kg
HE	RDX	121-82-4	Mammal	Deer mouse (water)	WATER	5.20E+04	µg/L
HE	RDX	121-82-4	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.80E+00	mg/kg
HE	RDX	121-82-4	Mammal	Desert cottontail (water)	WATER	1.00E+05	µg/L
HE	RDX	121-82-4	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.40E+01	mg/kg
HE	RDX	121-82-4	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+04	µg/L
HE	RDX	121-82-4	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.30E+03	mg/kg
HE	RDX	121-82-4	Mammal	Red fox (water)	WATER	1.10E+05	µg/L
HE	RDX	121-82-4	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.30E+01	mg/kg
HE	RDX	121-82-4	Mammal	Vagrant shrew (water)	WATER	4.40E+04	µg/L
HE	RDX	121-82-4	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+02	mg/kg
HE	Tetryl	479-45-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Tetryl	479-45-8	Aquatic	Aquatic community organisms - water	WATER		
HE	Tetryl	479-45-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Tetryl	479-45-8	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Tetryl	479-45-8	Bird	American kestrel (water)	WATER		
HE	Tetryl	479-45-8	Bird	American robin (Avian herbivore)	SOIL		
HE	Tetryl	479-45-8	Bird	American robin (Avian insectivore)	SOIL		
HE	Tetryl	479-45-8	Bird	American robin (Avian omnivore)	SOIL		
HE	Tetryl	479-45-8	Bird	American robin (water)	WATER		
HE	Tetryl	479-45-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Tetryl	479-45-8	Bird	Violet-green Swallow (water)	WATER		
HE	Tetryl	479-45-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Tetryl	479-45-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.20E+00	mg/kg
HE	Tetryl	479-45-8	Mammal	Deer mouse (water)	WATER	6.80E+03	µg/L
HE	Tetryl	479-45-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.20E+00	mg/kg
HE	Tetryl	479-45-8	Mammal	Desert cottontail (water)	WATER	1.30E+04	µg/L
HE	Tetryl	479-45-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.30E+00	mg/kg
HE	Tetryl	479-45-8	Mammal	Occult little brown myotis bat (water)	WATER	8.10E+03	µg/L
HE	Tetryl	479-45-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	9.50E+02	mg/kg
HE	Tetryl	479-45-8	Mammal	Red fox (water)	WATER	1.50E+04	µg/L
HE	Tetryl	479-45-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	4.00E+00	mg/kg
HE	Tetryl	479-45-8	Mammal	Vagrant shrew (water)	WATER	5.80E+03	µg/L
HE	Tetryl	479-45-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.50E+01	mg/kg
HE	Trinitrobenzene[1,3,5-]	99-35-4	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Aquatic	Aquatic community organisms - water	WATER		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American kestrel (water)	WATER		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American robin (Avian herbivore)	SOIL		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American robin (Avian insectivore)	SOIL		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American robin (Avian omnivore)	SOIL		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American robin (water)	WATER		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	Violet-green Swallow (water)	WATER		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.40E+01	mg/kg
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Deer mouse (water)	WATER	7.00E+04	µg/L
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.70E+01	mg/kg
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Desert cottontail (water)	WATER	1.30E+05	µg/L
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.70E+01	mg/kg
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Occult little brown myotis bat (water)	WATER	8.40E+04	µg/L
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Red fox (Mammalian top carnivore)	SOIL	9.90E+03	mg/kg
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Red fox (water)	WATER	1.50E+05	µg/L
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	4.30E+01	mg/kg
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Vagrant shrew (water)	WATER	6.00E+04	µg/L
HE	Trinitrobenzene[1,3,5-]	99-35-4	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Aquatic	Aquatic community organisms - water	WATER		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American kestrel (water)	WATER		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American robin (Avian herbivore)	SOIL		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American robin (Avian insectivore)	SOIL		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American robin (Avian omnivore)	SOIL		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American robin (water)	WATER		

HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	Violet-green Swallow (water)	WATER		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	3.00E-01	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	5.60E+01	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Deer mouse (water)	WATER	1.80E+05	µg/L
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.00E+01	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Desert cottontail (water)	WATER	3.50E+05	µg/L
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.40E+02	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Occult little brown myotis bat (water)	WATER	2.10E+05	µg/L
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.50E+04	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Red fox (water)	WATER	4.00E+05	µg/L
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.00E+02	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Vagrant shrew (water)	WATER	1.50E+05	µg/L
HE	Trinitrotoluene[2,4,6-]	118-96-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	3.00E+00	mg/kg
INORG	Aluminum	AL	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.80E+04	mg/kg
INORG	Aluminum	AL	Aquatic	Aquatic community organisms - water	WATER	8.70E+01	µg/L
INORG	Aluminum	AL	Bird	American kestrel (Avian intermediate carnivore)	SOIL	2.10E+03	mg/kg
INORG	Aluminum	AL	Bird	American kestrel (Avian top carnivore)	SOIL	5.10E+04	mg/kg
INORG	Aluminum	AL	Bird	American kestrel (water)	WATER	9.10E+05	µg/L
INORG	Aluminum	AL	Bird	American robin (Avian herbivore)	SOIL	3.00E+03	mg/kg
INORG	Aluminum	AL	Bird	American robin (Avian insectivore)	SOIL	2.80E+02	mg/kg
INORG	Aluminum	AL	Bird	American robin (Avian omnivore)	SOIL	5.20E+02	mg/kg
INORG	Aluminum	AL	Bird	American robin (water)	WATER	7.80E+05	µg/L
INORG	Aluminum	AL	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	4.10E+02	mg/kg
INORG	Aluminum	AL	Bird	Violet-green Swallow (water)	WATER	4.50E+05	µg/L
INORG	Aluminum	AL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Aluminum	AL	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.80E+01	mg/kg
INORG	Aluminum	AL	Mammal	Deer mouse (water)	WATER	1.00E+04	µg/L
INORG	Aluminum	AL	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.40E+02	mg/kg
INORG	Aluminum	AL	Mammal	Desert cottontail (water)	WATER	1.90E+04	µg/L
INORG	Aluminum	AL	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.20E+01	mg/kg
INORG	Aluminum	AL	Mammal	Occult little brown myotis bat (water)	WATER	1.20E+04	µg/L
INORG	Aluminum	AL	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.30E+03	mg/kg
INORG	Aluminum	AL	Mammal	Red fox (water)	WATER	2.20E+04	µg/L
INORG	Aluminum	AL	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	8.80E+00	mg/kg
INORG	Aluminum	AL	Mammal	Vagrant shrew (water)	WATER	8.60E+03	µg/L
INORG	Aluminum	AL	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.00E+00	mg/kg
INORG	Antimony	SB	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.00E+00	mg/kg
INORG	Antimony	SB	Aquatic	Aquatic community organisms - water	WATER	1.00E+02	µg/L
INORG	Antimony	SB	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
INORG	Antimony	SB	Bird	American kestrel (Avian top carnivore)	SOIL		
INORG	Antimony	SB	Bird	American kestrel (water)	WATER		
INORG	Antimony	SB	Bird	American robin (Avian herbivore)	SOIL		
INORG	Antimony	SB	Bird	American robin (Avian insectivore)	SOIL		
INORG	Antimony	SB	Bird	American robin (Avian omnivore)	SOIL		
INORG	Antimony	SB	Bird	American robin (water)	WATER		
INORG	Antimony	SB	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
INORG	Antimony	SB	Bird	Violet-green Swallow (water)	WATER		
INORG	Antimony	SB	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Antimony	SB	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.00E+00	mg/kg
INORG	Antimony	SB	Mammal	Deer mouse (water)	WATER	6.80E+02	µg/L
INORG	Antimony	SB	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	6.20E+00	mg/kg
INORG	Antimony	SB	Mammal	Desert cottontail (water)	WATER	1.30E+03	µg/L
INORG	Antimony	SB	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	8.10E-01	mg/kg
INORG	Antimony	SB	Mammal	Occult little brown myotis bat (water)	WATER	8.10E+02	µg/L
INORG	Antimony	SB	Mammal	Red fox (Mammalian top carnivore)	SOIL	9.30E+01	mg/kg
INORG	Antimony	SB	Mammal	Red fox (water)	WATER	1.50E+03	µg/L
INORG	Antimony	SB	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.90E-01	mg/kg
INORG	Antimony	SB	Mammal	Vagrant shrew (water)	WATER	5.80E+02	µg/L
INORG	Antimony	SB	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.00E-01	mg/kg
INORG	Arsenic	AS	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.20E+01	mg/kg
INORG	Arsenic	AS	Aquatic	Aquatic community organisms - water	WATER	1.50E+02	µg/L
INORG	Arsenic	AS	Bird	American kestrel (Avian intermediate carnivore)	SOIL	9.80E+01	mg/kg
INORG	Arsenic	AS	Bird	American kestrel (Avian top carnivore)	SOIL	2.30E+03	mg/kg
INORG	Arsenic	AS	Bird	American kestrel (water)	WATER	4.20E+04	µg/L
INORG	Arsenic	AS	Bird	American robin (Avian herbivore)	SOIL	1.00E+02	mg/kg
INORG	Arsenic	AS	Bird	American robin (Avian insectivore)	SOIL	1.30E+01	mg/kg
INORG	Arsenic	AS	Bird	American robin (Avian omnivore)	SOIL	2.30E+01	mg/kg
INORG	Arsenic	AS	Bird	American robin (water)	WATER	3.60E+04	µg/L
INORG	Arsenic	AS	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.90E+01	mg/kg
INORG	Arsenic	AS	Bird	Violet-green Swallow (water)	WATER	2.10E+04	µg/L
INORG	Arsenic	AS	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	6.80E+00	mg/kg
INORG	Arsenic	AS	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.20E+00	mg/kg
INORG	Arsenic	AS	Mammal	Deer mouse (water)	WATER	6.80E+02	µg/L
INORG	Arsenic	AS	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.10E+01	mg/kg
INORG	Arsenic	AS	Mammal	Desert cottontail (water)	WATER	1.30E+03	µg/L
INORG	Arsenic	AS	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	8.10E-01	mg/kg
INORG	Arsenic	AS	Mammal	Occult little brown myotis bat (water)	WATER	8.10E+02	µg/L
INORG	Arsenic	AS	Mammal	Red fox (Mammalian top carnivore)	SOIL	9.00E+01	mg/kg
INORG	Arsenic	AS	Mammal	Red fox (water)	WATER	1.50E+03	µg/L
INORG	Arsenic	AS	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.90E-01	mg/kg
INORG	Arsenic	AS	Mammal	Vagrant shrew (water)	WATER	5.80E+02	µg/L
INORG	Arsenic	AS	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+01	mg/kg
INORG	Barium	BA	Aquatic	Aquatic community organisms - sediment	SEDIMENT	4.80E+01	mg/kg
INORG	Barium	BA	Aquatic	Aquatic community organisms - water	WATER	3.80E+00	µg/L
INORG	Barium	BA	Bird	American kestrel (Avian intermediate carnivore)	SOIL	2.40E+02	mg/kg
INORG	Barium	BA	Bird	American kestrel (Avian top carnivore)	SOIL	6.30E+03	mg/kg
INORG	Barium	BA	Bird	American kestrel (water)	WATER	1.00E+05	µg/L
INORG	Barium	BA	Bird	American robin (Avian herbivore)	SOIL	1.40E+02	mg/kg
INORG	Barium	BA	Bird	American robin (Avian insectivore)	SOIL	3.20E+01	mg/kg
INORG	Barium	BA	Bird	American robin (Avian omnivore)	SOIL	5.30E+01	mg/kg
INORG	Barium	BA	Bird	American robin (water)	WATER	9.00E+04	µg/L
INORG	Barium	BA	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	4.70E+01	mg/kg
INORG	Barium	BA	Bird	Violet-green Swallow (water)	WATER	5.20E+04	µg/L
INORG	Barium	BA	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Barium	BA	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.60E+00	mg/kg
INORG	Barium	BA	Mammal	Deer mouse (water)	WATER	2.80E+03	µg/L
INORG	Barium	BA	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.30E+01	mg/kg
INORG	Barium	BA	Mammal	Desert cottontail (water)	WATER	5.60E+03	µg/L
INORG	Barium	BA	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.40E+00	mg/kg
INORG	Barium	BA	Mammal	Occult little brown myotis bat (water)	WATER	3.40E+03	µg/L
INORG	Barium	BA	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.00E+02	mg/kg
INORG	Barium	BA	Mammal	Red fox (water)	WATER	6.30E+03	µg/L
INORG	Barium	BA	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.50E+00	mg/kg
INORG	Barium	BA	Mammal	Vagrant shrew (water)	WATER	2.40E+03	µg/L
INORG	Barium	BA	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+02	mg/kg
INORG	Beryllium	BE	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Beryllium	BE	Aquatic	Aquatic community organisms - water	WATER	5.30E+00	µg/L
INORG	Beryllium	BE	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
INORG	Beryllium	BE	Bird	American kestrel (Avian top carnivore)	SOIL		
INORG	Beryllium	BE	Bird	American kestrel (water)	WATER		
INORG	Beryllium	BE	Bird	American robin (Avian herbivore)	SOIL		
INORG	Beryllium	BE	Bird	American robin (Avian insectivore)	SOIL		
INORG	Beryllium	BE	Bird	American robin (Avian omnivore)	SOIL		
INORG	Beryllium	BE	Bird	American robin (water)	WATER		
INORG	Beryllium	BE	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
INORG	Beryllium	BE	Bird	Violet-green Swallow (water)	WATER		
INORG	Beryllium	BE	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Beryllium	BE	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.20E+00	mg/kg
INORG	Beryllium	BE	Mammal	Deer mouse (water)	WATER	3.40E+03	µg/L
INORG	Beryllium	BE	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.00E+02	mg/kg
INORG	Beryllium	BE	Mammal	Desert cottontail (water)	WATER	6.80E+03	µg/L
INORG	Beryllium	BE	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.10E+00	mg/kg
INORG	Beryllium	BE	Mammal	Occult little brown myotis bat (water)	WATER	4.10E+03	µg/L
INORG	Beryllium	BE	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.70E+02	mg/kg
INORG	Beryllium	BE	Mammal	Red fox (water)	WATER	7.60E+03	µg/L
INORG	Beryllium	BE	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.00E+00	mg/kg
INORG	Beryllium	BE	Mammal	Vagrant shrew (water)	WATER	2.90E+03	µg/L
INORG	Beryllium	BE	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+00	mg/kg
INORG	Boron	B	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Boron	B	Aquatic	Aquatic community organisms - water	WATER	5.40E+02	µg/L
INORG	Boron	B	Bird	American kestrel (Avian intermediate carnivore)	SOIL	8.90E+02	mg/kg
INORG	Boron	B	Bird	American kestrel (Avian top carnivore)	SOIL	2.20E+04	mg/kg
INORG	Boron	B	Bird	American kestrel (water)	WATER	3.80E+05	µg/L
INORG	Boron	B	Bird	American robin (Avian herbivore)	SOIL	1.20E+03	mg/kg
INORG	Boron	B	Bird	American robin (Avian insectivore)	SOIL	1.20E+02	mg/kg
INORG	Boron	B	Bird	American robin (Avian omnivore)	SOIL	2.10E+02	mg/kg
INORG	Boron	B	Bird	American robin (water)	WATER	3.30E+05	µg/L
INORG	Boron	B	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.70E+02	mg/kg
INORG	Boron	B	Bird	Violet-green Swallow (water)	WATER	1.90E+05	µg/L
INORG	Boron	B	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Boron	B	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.60E+02	mg/kg
INORG	Boron	B	Mammal	Deer mouse (water)	WATER	1.40E+05	µg/L
INORG	Boron	B	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.80E+03	mg/kg
INORG	Boron	B	Mammal	Desert cottontail (water)	WATER	2.80E+05	µg/L
INORG	Boron	B	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.70E+02	mg/kg
INORG	Boron	B	Mammal	Occult little brown myotis bat (water)	WATER	1.70E+05	µg/L
INORG	Boron	B	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.00E+04	mg/kg
INORG	Boron	B	Mammal	Red fox (water)	WATER	3.20E+05	µg/L
INORG	Boron	B	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+02	mg/kg
INORG	Boron	B	Mammal	Vagrant shrew (water)	WATER	1.20E+05	µg/L
INORG	Boron	B	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.70E+00	mg/kg
INORG	Cadmium	CD	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.90E-01	mg/kg
INORG	Cadmium	CD	Aquatic	Aquatic community organisms - water	WATER	1.30E+00	µg/L
INORG	Cadmium	CD	Bird	American kestrel (Avian intermediate carnivore)	SOIL	4.50E+01	mg/kg
INORG	Cadmium	CD	Bird	American kestrel (Avian top carnivore)	SOIL	7.20E+02	mg/kg
INORG	Cadmium	CD	Bird	American kestrel (water)	WATER	1.20E+04	µg/L
INORG	Cadmium	CD	Bird	American robin (Avian herbivore)	SOIL	6.30E+00	mg/kg
INORG	Cadmium	CD	Bird	American robin (Avian insectivore)	SOIL	5.90E+00	mg/kg
INORG	Cadmium	CD	Bird	American robin (Avian omnivore)	SOIL	6.10E+00	mg/kg
INORG	Cadmium	CD	Bird	American robin (water)	WATER	1.00E+04	µg/L
INORG	Cadmium	CD	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	9.00E+00	mg/kg
INORG	Cadmium	CD	Bird	Violet-green Swallow (water)	WATER	5.90E+03	µg/L
INORG	Cadmium	CD	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.00E+01	mg/kg
INORG	Cadmium	CD	Mammal	Deer mouse (Mammalian omnivore)	SOIL	8.40E+00	mg/kg
INORG	Cadmium	CD	Mammal	Deer mouse (water)	WATER	5.20E+03	µg/L
INORG	Cadmium	CD	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.80E+01	mg/kg
INORG	Cadmium	CD	Mammal	Desert cottontail (water)	WATER	1.00E+04	µg/L
INORG	Cadmium	CD	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.00E+01	mg/kg
INORG	Cadmium	CD	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+03	µg/L
INORG	Cadmium	CD	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.30E+02	mg/kg
INORG	Cadmium	CD	Mammal	Red fox (water)	WATER	1.10E+04	µg/L
INORG	Cadmium	CD	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.20E+00	mg/kg
INORG	Cadmium	CD	Mammal	Vagrant shrew (water)	WATER	4.40E+03	µg/L
INORG	Cadmium	CD	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+00	mg/kg
INORG	Chloride	CL(-1)	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Chloride	CL(-1)	Aquatic	Aquatic community organisms - water	WATER	2.30E+05	µg/L
INORG	Chloride	CL(-1)	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
INORG	Chloride	CL(-1)	Bird	American kestrel (Avian top carnivore)	SOIL		
INORG	Chloride	CL(-1)	Bird	American kestrel (water)	WATER		
INORG	Chloride	CL(-1)	Bird	American robin (Avian herbivore)	SOIL		
INORG	Chloride	CL(-1)	Bird	American robin (Avian insectivore)	SOIL		
INORG	Chloride	CL(-1)	Bird	American robin (Avian omnivore)	SOIL		
INORG	Chloride	CL(-1)	Bird	American robin (water)	WATER		
INORG	Chloride	CL(-1)	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
INORG	Chloride	CL(-1)	Bird	Violet-green Swallow (water)	WATER		
INORG	Chloride	CL(-1)	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Chloride	CL(-1)	Mammal	Deer mouse (Mammalian omnivore)	SOIL		
INORG	Chloride	CL(-1)	Mammal	Deer mouse (water)	WATER		
INORG	Chloride	CL(-1)	Mammal	Desert cottontail (Mammalian herbivore)	SOIL		
INORG	Chloride	CL(-1)	Mammal	Desert cottontail (water)	WATER		
INORG	Chloride	CL(-1)	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT		
INORG	Chloride	CL(-1)	Mammal	Occult little brown myotis bat (water)	WATER		
INORG	Chloride	CL(-1)	Mammal	Red fox (Mammalian top carnivore)	SOIL		
INORG	Chloride	CL(-1)	Mammal	Red fox (water)	WATER		
INORG	Chloride	CL(-1)	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL		
INORG	Chloride	CL(-1)	Mammal	Vagrant shrew (water)	WATER		
INORG	Chloride	CL(-1)	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
INORG	Chromium (total)	CR	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.60E+01	mg/kg
INORG	Chromium (total)	CR	Aquatic	Aquatic community organisms - water	WATER	1.10E+01	µg/L
INORG	Chromium (total)	CR	Bird	American kestrel (Avian intermediate carnivore)	SOIL	8.90E+03	mg/kg
INORG	Chromium (total)	CR	Bird	American kestrel (Avian top carnivore)	SOIL	3.20E+04	mg/kg
INORG	Chromium (total)	CR	Bird	American kestrel (water)	WATER	6.40E+05	µg/L
INORG	Chromium (total)	CR	Bird	American robin (Avian herbivore)	SOIL	1.50E+03	mg/kg
INORG	Chromium (total)	CR	Bird	American robin (Avian insectivore)	SOIL	9.50E+02	mg/kg
INORG	Chromium (total)	CR	Bird	American robin (Avian omnivore)	SOIL	1.10E+03	mg/kg
INORG	Chromium (total)	CR	Bird	American robin (water)	WATER	5.50E+05	µg/L
INORG	Chromium (total)	CR	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.20E+03	mg/kg
INORG	Chromium (total)	CR	Bird	Violet-green Swallow (water)	WATER	3.10E+05	µg/L
INORG	Chromium (total)	CR	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Chromium (total)	CR	Mammal	Deer mouse (Mammalian omnivore)	SOIL	9.00E+04	mg/kg
INORG	Chromium (total)	CR	Mammal	Deer mouse (water)	WATER	1.00E+07	µg/L
INORG	Chromium (total)	CR	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.10E+05	mg/kg
INORG	Chromium (total)	CR	Mammal	Desert cottontail (water)	WATER	1.90E+07	µg/L
INORG	Chromium (total)	CR	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	9.10E+04	mg/kg
INORG	Chromium (total)	CR	Mammal	Occult little brown myotis bat (water)	WATER	1.10E+07	µg/L
INORG	Chromium (total)	CR	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.20E+06	mg/kg
INORG	Chromium (total)	CR	Mammal	Red fox (water)	WATER	2.20E+07	µg/L
INORG	Chromium (total)	CR	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	4.10E+04	mg/kg
INORG	Chromium (total)	CR	Mammal	Vagrant shrew (water)	WATER	8.50E+06	µg/L
INORG	Chromium (total)	CR	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	3.10E+00	mg/kg
INORG	Chromium(+6)	CR(+6)	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.60E+01	mg/kg
INORG	Chromium(+6)	CR(+6)	Aquatic	Aquatic community organisms - water	WATER	1.10E+01	µg/L
INORG	Chromium(+6)	CR(+6)	Bird	American kestrel (Avian intermediate carnivore)	SOIL	4.40E+02	mg/kg
INORG	Chromium(+6)	CR(+6)	Bird	American kestrel (Avian top carnivore)	SOIL	1.60E+03	mg/kg
INORG	Chromium(+6)	CR(+6)	Bird	American kestrel (water)	WATER	3.10E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Bird	American robin (Avian herbivore)	SOIL	7.70E+01	mg/kg
INORG	Chromium(+6)	CR(+6)	Bird	American robin (Avian insectivore)	SOIL	4.70E+01	mg/kg
INORG	Chromium(+6)	CR(+6)	Bird	American robin (Avian omnivore)	SOIL	5.80E+01	mg/kg
INORG	Chromium(+6)	CR(+6)	Bird	American robin (water)	WATER	2.70E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.00E+02	mg/kg
INORG	Chromium(+6)	CR(+6)	Bird	Violet-green Swallow (water)	WATER	1.50E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.00E+01	mg/kg
INORG	Chromium(+6)	CR(+6)	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E+02	mg/kg
INORG	Chromium(+6)	CR(+6)	Mammal	Deer mouse (water)	WATER	1.70E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	5.50E+02	mg/kg
INORG	Chromium(+6)	CR(+6)	Mammal	Desert cottontail (water)	WATER	3.40E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.50E+02	mg/kg
INORG	Chromium(+6)	CR(+6)	Mammal	Occult little brown myotis bat (water)	WATER	2.00E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.10E+03	mg/kg
INORG	Chromium(+6)	CR(+6)	Mammal	Red fox (water)	WATER	3.80E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.20E+01	mg/kg
INORG	Chromium(+6)	CR(+6)	Mammal	Vagrant shrew (water)	WATER	1.40E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	3.50E-01	mg/kg
INORG	Cobalt	CO	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Cobalt	CO	Aquatic	Aquatic community organisms - water	WATER	3.00E+00	µg/L
INORG	Cobalt	CO	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.70E-01	mg/kg
INORG	Cobalt	CO	Bird	American kestrel (Avian top carnivore)	SOIL	4.00E+00	mg/kg
INORG	Cobalt	CO	Bird	American kestrel (water)	WATER	1.60E+02	µg/L
INORG	Cobalt	CO	Bird	American robin (Avian herbivore)	SOIL	1.10E-01	mg/kg
INORG	Cobalt	CO	Bird	American robin (Avian insectivore)	SOIL	5.10E-02	mg/kg
INORG	Cobalt	CO	Bird	American robin (Avian omnivore)	SOIL	7.10E-02	mg/kg
INORG	Cobalt	CO	Bird	American robin (water)	WATER	1.40E+02	µg/L
INORG	Cobalt	CO	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	7.40E-02	mg/kg
INORG	Cobalt	CO	Bird	Violet-green Swallow (water)	WATER	8.20E+01	µg/L
INORG	Cobalt	CO	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Cobalt	CO	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.30E+00	mg/kg
INORG	Cobalt	CO	Mammal	Deer mouse (water)	WATER	1.00E+03	µg/L
INORG	Cobalt	CO	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	5.00E+00	mg/kg
INORG	Cobalt	CO	Mammal	Desert cottontail (water)	WATER	2.00E+03	µg/L
INORG	Cobalt	CO	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.20E+00	mg/kg
INORG	Cobalt	CO	Mammal	Occult little brown myotis bat (water)	WATER	1.20E+03	µg/L
INORG	Cobalt	CO	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.40E+01	mg/kg
INORG	Cobalt	CO	Mammal	Red fox (water)	WATER	2.30E+03	µg/L
INORG	Cobalt	CO	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	9.10E-01	mg/kg
INORG	Cobalt	CO	Mammal	Vagrant shrew (water)	WATER	8.90E+02	µg/L
INORG	Cobalt	CO	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.50E+00	mg/kg
INORG	Copper	CU	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.80E+01	mg/kg
INORG	Copper	CU	Aquatic	Aquatic community organisms - water	WATER	5.00E+00	µg/L
INORG	Copper	CU	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.10E+03	mg/kg
INORG	Copper	CU	Bird	American kestrel (Avian top carnivore)	SOIL	1.60E+04	mg/kg
INORG	Copper	CU	Bird	American kestrel (water)	WATER	3.90E+05	µg/L
INORG	Copper	CU	Bird	American robin (Avian herbivore)	SOIL	1.40E+02	mg/kg
INORG	Copper	CU	Bird	American robin (Avian insectivore)	SOIL	3.80E+02	mg/kg
INORG	Copper	CU	Bird	American robin (Avian omnivore)	SOIL	2.10E+02	mg/kg
INORG	Copper	CU	Bird	American robin (water)	WATER	3.30E+05	µg/L
INORG	Copper	CU	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	7.00E+02	mg/kg
INORG	Copper	CU	Bird	Violet-green Swallow (water)	WATER	1.90E+05	µg/L
INORG	Copper	CU	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.30E+01	mg/kg
INORG	Copper	CU	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.10E+02	mg/kg
INORG	Copper	CU	Mammal	Deer mouse (water)	WATER	6.30E+04	µg/L
INORG	Copper	CU	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.50E+02	mg/kg
INORG	Copper	CU	Mammal	Desert cottontail (water)	WATER	1.20E+05	µg/L
INORG	Copper	CU	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.00E+02	mg/kg
INORG	Copper	CU	Mammal	Occult little brown myotis bat (water)	WATER	7.50E+04	µg/L
INORG	Copper	CU	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.00E+03	mg/kg
INORG	Copper	CU	Mammal	Red fox (water)	WATER	1.30E+05	µg/L
INORG	Copper	CU	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.70E+02	mg/kg
INORG	Copper	CU	Mammal	Vagrant shrew (water)	WATER	5.30E+04	µg/L
INORG	Copper	CU	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+02	mg/kg
INORG	Cyanide (total)	CN(-1)	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.00E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Aquatic	Aquatic community organisms - water	WATER	5.20E+00	µg/L
INORG	Cyanide (total)	CN(-1)	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.90E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Bird	American kestrel (Avian top carnivore)	SOIL	3.90E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Bird	American kestrel (water)	WATER	3.30E+02	µg/L
INORG	Cyanide (total)	CN(-1)	Bird	American robin (Avian herbivore)	SOIL	1.00E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Bird	American robin (Avian insectivore)	SOIL	1.00E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Bird	American robin (Avian omnivore)	SOIL	1.00E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Bird	American robin (water)	WATER	2.80E+02	µg/L
INORG	Cyanide (total)	CN(-1)	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.40E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Bird	Violet-green Swallow (water)	WATER	1.60E+02	µg/L
INORG	Cyanide (total)	CN(-1)	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Cyanide (total)	CN(-1)	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.30E+02	mg/kg
INORG	Cyanide (total)	CN(-1)	Mammal	Deer mouse (water)	WATER	3.60E+05	µg/L
INORG	Cyanide (total)	CN(-1)	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.20E+02	mg/kg
INORG	Cyanide (total)	CN(-1)	Mammal	Desert cottontail (water)	WATER	7.10E+05	µg/L
INORG	Cyanide (total)	CN(-1)	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.30E+02	mg/kg
INORG	Cyanide (total)	CN(-1)	Mammal	Occult little brown myotis bat (water)	WATER	4.30E+05	µg/L
INORG	Cyanide (total)	CN(-1)	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.40E+03	mg/kg
INORG	Cyanide (total)	CN(-1)	Mammal	Red fox (water)	WATER	8.00E+05	µg/L
INORG	Cyanide (total)	CN(-1)	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.10E+02	mg/kg
INORG	Cyanide (total)	CN(-1)	Mammal	Vagrant shrew (water)	WATER	3.00E+05	µg/L
INORG	Cyanide (total)	CN(-1)	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
INORG	Fluoride	F(-1)	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Fluoride	F(-1)	Aquatic	Aquatic community organisms - water	WATER	1.60E+03	µg/L
INORG	Fluoride	F(-1)	Bird	American kestrel (Avian intermediate carnivore)	SOIL	7.70E+01	mg/kg
INORG	Fluoride	F(-1)	Bird	American kestrel (Avian top carnivore)	SOIL	7.70E+01	mg/kg
INORG	Fluoride	F(-1)	Bird	American kestrel (water)	WATER	6.50E+04	µg/L
INORG	Fluoride	F(-1)	Bird	American robin (Avian herbivore)	SOIL	2.00E+01	mg/kg
INORG	Fluoride	F(-1)	Bird	American robin (Avian insectivore)	SOIL	2.00E+01	mg/kg
INORG	Fluoride	F(-1)	Bird	American robin (Avian omnivore)	SOIL	2.00E+01	mg/kg
INORG	Fluoride	F(-1)	Bird	American robin (water)	WATER	5.50E+04	µg/L
INORG	Fluoride	F(-1)	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.90E+01	mg/kg
INORG	Fluoride	F(-1)	Bird	Violet-green Swallow (water)	WATER	3.20E+04	µg/L
INORG	Fluoride	F(-1)	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Fluoride	F(-1)	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.30E+02	mg/kg
INORG	Fluoride	F(-1)	Mammal	Deer mouse (water)	WATER	1.40E+05	µg/L
INORG	Fluoride	F(-1)	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.70E+02	mg/kg
INORG	Fluoride	F(-1)	Mammal	Desert cottontail (water)	WATER	2.70E+05	µg/L
INORG	Fluoride	F(-1)	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.60E+02	mg/kg
INORG	Fluoride	F(-1)	Mammal	Occult little brown myotis bat (water)	WATER	1.60E+05	µg/L
INORG	Fluoride	F(-1)	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.70E+02	mg/kg
INORG	Fluoride	F(-1)	Mammal	Red fox (water)	WATER	3.00E+05	µg/L
INORG	Fluoride	F(-1)	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+02	mg/kg
INORG	Fluoride	F(-1)	Mammal	Vagrant shrew (water)	WATER	1.10E+05	µg/L
INORG	Fluoride	F(-1)	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
INORG	Lead	PB	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.40E+01	mg/kg
INORG	Lead	PB	Aquatic	Aquatic community organisms - water	WATER	1.20E+00	µg/L
INORG	Lead	PB	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.20E+03	mg/kg
INORG	Lead	PB	Bird	American kestrel (Avian top carnivore)	SOIL	2.50E+03	mg/kg
INORG	Lead	PB	Bird	American kestrel (water)	WATER	4.20E+04	µg/L
INORG	Lead	PB	Bird	American robin (Avian herbivore)	SOIL	7.60E+01	mg/kg
INORG	Lead	PB	Bird	American robin (Avian insectivore)	SOIL	1.00E+02	mg/kg
INORG	Lead	PB	Bird	American robin (Avian omnivore)	SOIL	8.80E+01	mg/kg
INORG	Lead	PB	Bird	American robin (water)	WATER	3.60E+04	µg/L
INORG	Lead	PB	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	4.70E+02	mg/kg
INORG	Lead	PB	Bird	Violet-green Swallow (water)	WATER	2.10E+04	µg/L
INORG	Lead	PB	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	2.00E+03	mg/kg
INORG	Lead	PB	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.40E+02	mg/kg
INORG	Lead	PB	Mammal	Deer mouse (water)	WATER	3.00E+04	µg/L
INORG	Lead	PB	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	5.40E+02	mg/kg
INORG	Lead	PB	Mammal	Desert cottontail (water)	WATER	5.90E+04	µg/L
INORG	Lead	PB	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	9.10E+02	mg/kg
INORG	Lead	PB	Mammal	Occult little brown myotis bat (water)	WATER	3.60E+04	µg/L

INORG	Lead	PB	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.20E+03	mg/kg
INORG	Lead	PB	Mammal	Red fox (water)	WATER	6.70E+04	µg/L
INORG	Lead	PB	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.00E+02	mg/kg
INORG	Lead	PB	Mammal	Vagrant shrew (water)	WATER	2.60E+04	µg/L
INORG	Lead	PB	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	4.50E+02	mg/kg
INORG	Manganese	MN	Aquatic	Aquatic community organisms - sediment	SEDIMENT	7.20E+02	mg/kg
INORG	Manganese	MN	Aquatic	Aquatic community organisms - water	WATER	8.00E+01	µg/L
INORG	Manganese	MN	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.20E+04	mg/kg
INORG	Manganese	MN	Bird	American kestrel (Avian top carnivore)	SOIL	2.50E+05	mg/kg
INORG	Manganese	MN	Bird	American kestrel (water)	WATER	4.70E+06	µg/L
INORG	Manganese	MN	Bird	American robin (Avian herbivore)	SOIL	5.20E+02	mg/kg
INORG	Manganese	MN	Bird	American robin (Avian insectivore)	SOIL	3.90E+03	mg/kg
INORG	Manganese	MN	Bird	American robin (Avian omnivore)	SOIL	9.30E+02	mg/kg
INORG	Manganese	MN	Bird	American robin (water)	WATER	4.10E+06	µg/L
INORG	Manganese	MN	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	6.70E+03	mg/kg
INORG	Manganese	MN	Bird	Violet-green Swallow (water)	WATER	2.30E+06	µg/L
INORG	Manganese	MN	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Manganese	MN	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.30E+02	mg/kg
INORG	Manganese	MN	Mammal	Deer mouse (water)	WATER	2.30E+05	µg/L
INORG	Manganese	MN	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.50E+02	mg/kg
INORG	Manganese	MN	Mammal	Desert cottontail (water)	WATER	4.50E+05	µg/L
INORG	Manganese	MN	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	8.60E+02	mg/kg
INORG	Manganese	MN	Mammal	Occult little brown myotis bat (water)	WATER	2.70E+05	µg/L
INORG	Manganese	MN	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.90E+04	mg/kg
INORG	Manganese	MN	Mammal	Red fox (water)	WATER	5.10E+05	µg/L
INORG	Manganese	MN	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.20E+02	mg/kg
INORG	Manganese	MN	Mammal	Vagrant shrew (water)	WATER	1.90E+05	µg/L
INORG	Manganese	MN	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.00E+00	mg/kg
INORG	Mercury (inorganic)	HGI	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.30E-01	mg/kg
INORG	Mercury (inorganic)	HGI	Aquatic	Aquatic community organisms - water	WATER	1.30E+00	µg/L
INORG	Mercury (inorganic)	HGI	Bird	American kestrel (Avian intermediate carnivore)	SOIL	7.00E+00	mg/kg
INORG	Mercury (inorganic)	HGI	Bird	American kestrel (Avian top carnivore)	SOIL	1.60E+01	mg/kg
INORG	Mercury (inorganic)	HGI	Bird	American kestrel (water)	WATER	3.70E+03	µg/L
INORG	Mercury (inorganic)	HGI	Bird	American robin (Avian herbivore)	SOIL	1.10E+00	mg/kg
INORG	Mercury (inorganic)	HGI	Bird	American robin (Avian insectivore)	SOIL	1.10E+00	mg/kg
INORG	Mercury (inorganic)	HGI	Bird	American robin (Avian omnivore)	SOIL	1.10E+00	mg/kg
INORG	Mercury (inorganic)	HGI	Bird	American robin (water)	WATER	3.20E+03	µg/L
INORG	Mercury (inorganic)	HGI	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.60E+00	mg/kg
INORG	Mercury (inorganic)	HGI	Bird	Violet-green Swallow (water)	WATER	1.80E+03	µg/L
INORG	Mercury (inorganic)	HGI	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	5.00E-02	mg/kg
INORG	Mercury (inorganic)	HGI	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.30E+01	mg/kg
INORG	Mercury (inorganic)	HGI	Mammal	Deer mouse (water)	WATER	6.80E+04	µg/L
INORG	Mercury (inorganic)	HGI	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.30E+02	mg/kg
INORG	Mercury (inorganic)	HGI	Mammal	Desert cottontail (water)	WATER	1.30E+05	µg/L
INORG	Mercury (inorganic)	HGI	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	8.10E+01	mg/kg
INORG	Mercury (inorganic)	HGI	Mammal	Occult little brown myotis bat (water)	WATER	8.10E+04	µg/L
INORG	Mercury (inorganic)	HGI	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.00E+03	mg/kg
INORG	Mercury (inorganic)	HGI	Mammal	Red fox (water)	WATER	1.50E+05	µg/L
INORG	Mercury (inorganic)	HGI	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.90E+01	mg/kg
INORG	Mercury (inorganic)	HGI	Mammal	Vagrant shrew (water)	WATER	5.80E+04	µg/L
INORG	Mercury (inorganic)	HGI	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	3.40E+01	mg/kg
INORG	Mercury (methyl)	HGM	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Mercury (methyl)	HGM	Aquatic	Aquatic community organisms - water	WATER	2.80E-03	µg/L
INORG	Mercury (methyl)	HGM	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.00E-01	mg/kg
INORG	Mercury (methyl)	HGM	Bird	American kestrel (Avian top carnivore)	SOIL	2.30E-01	mg/kg
INORG	Mercury (methyl)	HGM	Bird	American kestrel (water)	WATER	5.30E+01	µg/L
INORG	Mercury (methyl)	HGM	Bird	American robin (Avian herbivore)	SOIL	1.60E-02	mg/kg
INORG	Mercury (methyl)	HGM	Bird	American robin (Avian insectivore)	SOIL	1.60E-02	mg/kg
INORG	Mercury (methyl)	HGM	Bird	American robin (Avian omnivore)	SOIL	1.60E-02	mg/kg
INORG	Mercury (methyl)	HGM	Bird	American robin (water)	WATER	4.50E+01	µg/L
INORG	Mercury (methyl)	HGM	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.30E-02	mg/kg
INORG	Mercury (methyl)	HGM	Bird	Violet-green Swallow (water)	WATER	2.60E+01	µg/L
INORG	Mercury (methyl)	HGM	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	2.50E+00	mg/kg
INORG	Mercury (methyl)	HGM	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E-01	mg/kg
INORG	Mercury (methyl)	HGM	Mammal	Deer mouse (water)	WATER	1.60E+02	µg/L
INORG	Mercury (methyl)	HGM	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.30E-01	mg/kg
INORG	Mercury (methyl)	HGM	Mammal	Desert cottontail (water)	WATER	3.20E+02	µg/L
INORG	Mercury (methyl)	HGM	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.00E-01	mg/kg
INORG	Mercury (methyl)	HGM	Mammal	Occult little brown myotis bat (water)	WATER	2.00E+02	µg/L
INORG	Mercury (methyl)	HGM	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.50E+00	mg/kg
INORG	Mercury (methyl)	HGM	Mammal	Red fox (water)	WATER	3.70E+02	µg/L
INORG	Mercury (methyl)	HGM	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.40E-01	mg/kg
INORG	Mercury (methyl)	HGM	Mammal	Vagrant shrew (water)	WATER	1.40E+02	µg/L
INORG	Mercury (methyl)	HGM	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
INORG	Nickel	NI	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.90E+01	mg/kg
INORG	Nickel	NI	Aquatic	Aquatic community organisms - water	WATER	2.80E+01	µg/L
INORG	Nickel	NI	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.70E+03	mg/kg
INORG	Nickel	NI	Bird	American kestrel (Avian top carnivore)	SOIL	3.50E+04	mg/kg
INORG	Nickel	NI	Bird	American kestrel (water)	WATER	6.40E+05	µg/L
INORG	Nickel	NI	Bird	American robin (Avian herbivore)	SOIL	7.30E+02	mg/kg
INORG	Nickel	NI	Bird	American robin (Avian insectivore)	SOIL	4.60E+02	mg/kg
INORG	Nickel	NI	Bird	American robin (Avian omnivore)	SOIL	5.60E+02	mg/kg
INORG	Nickel	NI	Bird	American robin (water)	WATER	5.50E+05	µg/L
INORG	Nickel	NI	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	7.60E+02	mg/kg
INORG	Nickel	NI	Bird	Violet-green Swallow (water)	WATER	3.10E+05	µg/L
INORG	Nickel	NI	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.00E+02	mg/kg
INORG	Nickel	NI	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.40E+02	mg/kg
INORG	Nickel	NI	Mammal	Deer mouse (water)	WATER	2.10E+05	µg/L
INORG	Nickel	NI	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.90E+03	mg/kg
INORG	Nickel	NI	Mammal	Desert cottontail (water)	WATER	4.10E+05	µg/L
INORG	Nickel	NI	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	6.60E+02	mg/kg
INORG	Nickel	NI	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+05	µg/L
INORG	Nickel	NI	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.70E+04	mg/kg
INORG	Nickel	NI	Mammal	Red fox (water)	WATER	4.60E+05	µg/L
INORG	Nickel	NI	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	4.20E+02	mg/kg
INORG	Nickel	NI	Mammal	Vagrant shrew (water)	WATER	1.70E+05	µg/L
INORG	Nickel	NI	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.00E+01	mg/kg
INORG	Selenium	SE	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.00E+00	mg/kg
INORG	Selenium	SE	Aquatic	Aquatic community organisms - water	WATER	2.00E+00	µg/L
INORG	Selenium	SE	Bird	American kestrel (Avian intermediate carnivore)	SOIL	7.70E+00	mg/kg
INORG	Selenium	SE	Bird	American kestrel (Avian top carnivore)	SOIL	3.70E+01	mg/kg
INORG	Selenium	SE	Bird	American kestrel (water)	WATER	3.60E+03	µg/L
INORG	Selenium	SE	Bird	American robin (Avian herbivore)	SOIL	2.00E+00	mg/kg
INORG	Selenium	SE	Bird	American robin (Avian insectivore)	SOIL	1.10E+00	mg/kg
INORG	Selenium	SE	Bird	American robin (Avian omnivore)	SOIL	1.40E+00	mg/kg
INORG	Selenium	SE	Bird	American robin (water)	WATER	3.10E+03	µg/L
INORG	Selenium	SE	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.60E+00	mg/kg
INORG	Selenium	SE	Bird	Violet-green Swallow (water)	WATER	1.80E+03	µg/L
INORG	Selenium	SE	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	7.70E+00	mg/kg
INORG	Selenium	SE	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.20E+00	mg/kg
INORG	Selenium	SE	Mammal	Deer mouse (water)	WATER	1.00E+03	µg/L
INORG	Selenium	SE	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	4.10E+00	mg/kg
INORG	Selenium	SE	Mammal	Desert cottontail (water)	WATER	2.00E+03	µg/L
INORG	Selenium	SE	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.20E+00	mg/kg
INORG	Selenium	SE	Mammal	Occult little brown myotis bat (water)	WATER	1.20E+03	µg/L
INORG	Selenium	SE	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.40E+01	mg/kg
INORG	Selenium	SE	Mammal	Red fox (water)	WATER	2.30E+03	µg/L
INORG	Selenium	SE	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	9.10E-01	mg/kg
INORG	Selenium	SE	Mammal	Vagrant shrew (water)	WATER	8.90E+02	µg/L
INORG	Selenium	SE	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.00E-01	mg/kg
INORG	Silver	AG	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.00E+00	mg/kg
INORG	Silver	AG	Aquatic	Aquatic community organisms - water	WATER	3.60E-01	µg/L
INORG	Silver	AG	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.70E+02	mg/kg
INORG	Silver	AG	Bird	American kestrel (Avian top carnivore)	SOIL	2.10E+03	mg/kg
INORG	Silver	AG	Bird	American kestrel (water)	WATER	4.50E+04	µg/L
INORG	Silver	AG	Bird	American robin (Avian herbivore)	SOIL	1.40E+01	mg/kg
INORG	Silver	AG	Bird	American robin (Avian insectivore)	SOIL	4.40E+01	mg/kg
INORG	Silver	AG	Bird	American robin (Avian omnivore)	SOIL	2.10E+01	mg/kg
INORG	Silver	AG	Bird	American robin (water)	WATER	3.80E+04	µg/L
INORG	Silver	AG	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	8.10E+01	mg/kg
INORG	Silver	AG	Bird	Violet-green Swallow (water)	WATER	2.20E+04	µg/L
INORG	Silver	AG	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Silver	AG	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E+01	mg/kg
INORG	Silver	AG	Mammal	Deer mouse (water)	WATER	1.00E+04	µg/L
INORG	Silver	AG	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.10E+01	mg/kg
INORG	Silver	AG	Mammal	Desert cottontail (water)	WATER	2.00E+04	µg/L
INORG	Silver	AG	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.00E+01	mg/kg
INORG	Silver	AG	Mammal	Occult little brown myotis bat (water)	WATER	1.20E+04	µg/L
INORG	Silver	AG	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.20E+03	mg/kg
INORG	Silver	AG	Mammal	Red fox (water)	WATER	2.30E+04	µg/L
INORG	Silver	AG	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.80E+01	mg/kg
INORG	Silver	AG	Mammal	Vagrant shrew (water)	WATER	8.90E+03	µg/L
INORG	Silver	AG	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.00E-02	mg/kg
INORG	Strontium (stable)	SR	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Strontium (stable)	SR	Aquatic	Aquatic community organisms - water	WATER	6.20E+02	µg/L
INORG	Strontium (stable)	SR	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
INORG	Strontium (stable)	SR	Bird	American kestrel (Avian top carnivore)	SOIL		
INORG	Strontium (stable)	SR	Bird	American kestrel (water)	WATER		
INORG	Strontium (stable)	SR	Bird	American robin (Avian herbivore)	SOIL		
INORG	Strontium (stable)	SR	Bird	American robin (Avian insectivore)	SOIL		
INORG	Strontium (stable)	SR	Bird	American robin (Avian omnivore)	SOIL		
INORG	Strontium (stable)	SR	Bird	American robin (water)	WATER		
INORG	Strontium (stable)	SR	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
INORG	Strontium (stable)	SR	Bird	Violet-green Swallow (water)	WATER		
INORG	Strontium (stable)	SR	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Strontium (stable)	SR	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.90E+02	mg/kg
INORG	Strontium (stable)	SR	Mammal	Deer mouse (water)	WATER	1.30E+05	µg/L
INORG	Strontium (stable)	SR	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.60E+02	mg/kg
INORG	Strontium (stable)	SR	Mammal	Desert cottontail (water)	WATER	2.50E+05	µg/L
INORG	Strontium (stable)	SR	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	6.20E+02	mg/kg
INORG	Strontium (stable)	SR	Mammal	Occult little brown myotis bat (water)	WATER	1.50E+05	µg/L
INORG	Strontium (stable)	SR	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.50E+04	mg/kg
INORG	Strontium (stable)	SR	Mammal	Red fox (water)	WATER	2.90E+05	µg/L
INORG	Strontium (stable)	SR	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.60E+02	mg/kg
INORG	Strontium (stable)	SR	Mammal	Vagrant shrew (water)	WATER	1.10E+05	µg/L
INORG	Strontium (stable)	SR	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
INORG	Thallium	TL	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Thallium	TL	Aquatic	Aquatic community organisms - water	WATER	1.80E+01	µg/L
INORG	Thallium	TL	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
INORG	Thallium	TL	Bird	American kestrel (Avian top carnivore)	SOIL		
INORG	Thallium	TL	Bird	American kestrel (water)	WATER		
INORG	Thallium	TL	Bird	American robin (Avian herbivore)	SOIL		
INORG	Thallium	TL	Bird	American robin (Avian insectivore)	SOIL		
INORG	Thallium	TL	Bird	American robin (Avian omnivore)	SOIL		
INORG	Thallium	TL	Bird	American robin (water)	WATER		
INORG	Thallium	TL	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
INORG	Thallium	TL	Bird	Violet-green Swallow (water)	WATER		
INORG	Thallium	TL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Thallium	TL	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.80E-01	mg/kg
INORG	Thallium	TL	Mammal	Deer mouse (water)	WATER	3.70E+02	µg/L
INORG	Thallium	TL	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.70E+01	mg/kg
INORG	Thallium	TL	Mammal	Desert cottontail (water)	WATER	7.30E+02	µg/L
INORG	Thallium	TL	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.40E-01	mg/kg
INORG	Thallium	TL	Mammal	Occult little brown myotis bat (water)	WATER	4.40E+02	µg/L
INORG	Thallium	TL	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.20E+01	mg/kg
INORG	Thallium	TL	Mammal	Red fox (water)	WATER	8.20E+02	µg/L
INORG	Thallium	TL	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.20E-01	mg/kg
INORG	Thallium	TL	Mammal	Vagrant shrew (water)	WATER	3.10E+02	µg/L
INORG	Thallium	TL	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E-01	mg/kg
INORG	Titanium	TI	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Titanium	TI	Aquatic	Aquatic community organisms - water	WATER		
INORG	Titanium	TI	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
INORG	Titanium	TI	Bird	American kestrel (Avian top carnivore)	SOIL		
INORG	Titanium	TI	Bird	American kestrel (water)	WATER		
INORG	Titanium	TI	Bird	American robin (Avian herbivore)	SOIL		
INORG	Titanium	TI	Bird	American robin (Avian insectivore)	SOIL		
INORG	Titanium	TI	Bird	American robin (Avian omnivore)	SOIL		
INORG	Titanium	TI	Bird	American robin (water)	WATER		
INORG	Titanium	TI	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
INORG	Titanium	TI	Bird	Violet-green Swallow (water)	WATER		
INORG	Titanium	TI	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Titanium	TI	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E+02	mg/kg
INORG	Titanium	TI	Mammal	Deer mouse (water)	WATER	8.30E+04	µg/L
INORG	Titanium	TI	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	5.70E+03	mg/kg
INORG	Titanium	TI	Mammal	Desert cottontail (water)	WATER	1.60E+05	µg/L
INORG	Titanium	TI	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	9.90E+01	mg/kg
INORG	Titanium	TI	Mammal	Occult little brown myotis bat (water)	WATER	9.90E+04	µg/L
INORG	Titanium	TI	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.80E+03	mg/kg
INORG	Titanium	TI	Mammal	Red fox (water)	WATER	1.80E+05	µg/L
INORG	Titanium	TI	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.20E+01	mg/kg
INORG	Titanium	TI	Mammal	Vagrant shrew (water)	WATER	7.00E+04	µg/L
INORG	Titanium	TI	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
INORG	Uranium	U	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Uranium	U	Aquatic	Aquatic community organisms - water	WATER	1.80E+00	µg/L
INORG	Uranium	U	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.50E+02	mg/kg
INORG	Uranium	U	Bird	American kestrel (Avian top carnivore)	SOIL	2.70E+03	mg/kg
INORG	Uranium	U	Bird	American kestrel (water)	WATER	6.90E+04	µg/L
INORG	Uranium	U	Bird	American robin (Avian herbivore)	SOIL	1.90E+02	mg/kg
INORG	Uranium	U	Bird	American robin (Avian insectivore)	SOIL	2.10E+01	mg/kg
INORG	Uranium	U	Bird	American robin (Avian omnivore)	SOIL	3.80E+01	mg/kg
INORG	Uranium	U	Bird	American robin (water)	WATER	5.90E+04	µg/L
INORG	Uranium	U	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	3.00E+01	mg/kg
INORG	Uranium	U	Bird	Violet-green Swallow (water)	WATER	3.40E+04	µg/L
INORG	Uranium	U	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Uranium	U	Mammal	Deer mouse (Mammalian omnivore)	SOIL	5.70E+01	mg/kg
INORG	Uranium	U	Mammal	Deer mouse (water)	WATER	3.20E+04	µg/L
INORG	Uranium	U	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.30E+03	mg/kg
INORG	Uranium	U	Mammal	Desert cottontail (water)	WATER	6.20E+04	µg/L
INORG	Uranium	U	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.80E+01	mg/kg
INORG	Uranium	U	Mammal	Occult little brown myotis bat (water)	WATER	3.80E+04	µg/L
INORG	Uranium	U	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.30E+03	mg/kg
INORG	Uranium	U	Mammal	Red fox (water)	WATER	7.00E+04	µg/L
INORG	Uranium	U	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.80E+01	mg/kg
INORG	Uranium	U	Mammal	Vagrant shrew (water)	WATER	2.70E+04	µg/L
INORG	Uranium	U	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.00E+00	mg/kg
INORG	Vanadium	V	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Vanadium	V	Aquatic	Aquatic community organisms - water	WATER	1.90E+01	µg/L
INORG	Vanadium	V	Bird	American kestrel (Avian intermediate carnivore)	SOIL	2.10E+01	mg/kg
INORG	Vanadium	V	Bird	American kestrel (Avian top carnivore)	SOIL	4.90E+02	mg/kg
INORG	Vanadium	V	Bird	American kestrel (water)	WATER	9.10E+03	µg/L
INORG	Vanadium	V	Bird	American robin (Avian herbivore)	SOIL	2.90E+01	mg/kg
INORG	Vanadium	V	Bird	American robin (Avian insectivore)	SOIL	2.80E+00	mg/kg
INORG	Vanadium	V	Bird	American robin (Avian omnivore)	SOIL	5.20E+00	mg/kg
INORG	Vanadium	V	Bird	American robin (water)	WATER	7.80E+03	µg/L
INORG	Vanadium	V	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	4.10E+00	mg/kg
INORG	Vanadium	V	Bird	Violet-green Swallow (water)	WATER	4.50E+03	µg/L
INORG	Vanadium	V	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Vanadium	V	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.00E+01	mg/kg
INORG	Vanadium	V	Mammal	Deer mouse (water)	WATER	1.10E+04	µg/L
INORG	Vanadium	V	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.60E+02	mg/kg
INORG	Vanadium	V	Mammal	Desert cottontail (water)	WATER	2.10E+04	µg/L
INORG	Vanadium	V	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.30E+01	mg/kg
INORG	Vanadium	V	Mammal	Occult little brown myotis bat (water)	WATER	1.30E+04	µg/L
INORG	Vanadium	V	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.40E+03	mg/kg
INORG	Vanadium	V	Mammal	Red fox (water)	WATER	2.40E+04	µg/L
INORG	Vanadium	V	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	9.60E+00	mg/kg
INORG	Vanadium	V	Mammal	Vagrant shrew (water)	WATER	9.40E+03	µg/L
INORG	Vanadium	V	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.50E-01	mg/kg
INORG	Zinc	ZN	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.50E+02	mg/kg
INORG	Zinc	ZN	Aquatic	Aquatic community organisms - water	WATER	6.60E+01	µg/L
INORG	Zinc	ZN	Bird	American kestrel (Avian intermediate carnivore)	SOIL	5.30E+03	mg/kg
INORG	Zinc	ZN	Bird	American kestrel (Avian top carnivore)	SOIL	7.60E+03	mg/kg
INORG	Zinc	ZN	Bird	American kestrel (water)	WATER	1.00E+06	µg/L
INORG	Zinc	ZN	Bird	American robin (Avian herbivore)	SOIL	2.30E+02	mg/kg
INORG	Zinc	ZN	Bird	American robin (Avian insectivore)	SOIL	9.20E+02	mg/kg
INORG	Zinc	ZN	Bird	American robin (Avian omnivore)	SOIL	3.60E+02	mg/kg
INORG	Zinc	ZN	Bird	American robin (water)	WATER	9.20E+05	µg/L
INORG	Zinc	ZN	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.60E+03	mg/kg
INORG	Zinc	ZN	Bird	Violet-green Swallow (water)	WATER	5.30E+05	µg/L
INORG	Zinc	ZN	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	3.50E+02	mg/kg
INORG	Zinc	ZN	Mammal	Deer mouse (Mammalian omnivore)	SOIL	8.60E+02	mg/kg
INORG	Zinc	ZN	Mammal	Deer mouse (water)	WATER	8.40E+05	µg/L
INORG	Zinc	ZN	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.10E+03	mg/kg
INORG	Zinc	ZN	Mammal	Desert cottontail (water)	WATER	1.60E+06	µg/L
INORG	Zinc	ZN	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.30E+03	mg/kg
INORG	Zinc	ZN	Mammal	Occult little brown myotis bat (water)	WATER	1.00E+06	µg/L
INORG	Zinc	ZN	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.90E+04	mg/kg
INORG	Zinc	ZN	Mammal	Red fox (water)	WATER	1.80E+06	µg/L
INORG	Zinc	ZN	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.00E+03	mg/kg
INORG	Zinc	ZN	Mammal	Vagrant shrew (water)	WATER	7.10E+05	µg/L
INORG	Zinc	ZN	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+01	mg/kg
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Aquatic	Aquatic community organisms - water	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American kestrel (Avian top carnivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American kestrel (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American robin (Avian herbivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American robin (Avian insectivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American robin (Avian omnivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American robin (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	Violet-green Swallow (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Deer mouse (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Desert cottontail (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Occult little brown myotis bat (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Red fox (Mammalian top carnivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Red fox (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Vagrant shrew (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Aquatic	Aquatic community organisms - water	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American kestrel (Avian top carnivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American kestrel (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American robin (Avian herbivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American robin (Avian insectivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American robin (Avian omnivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American robin (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	Violet-green Swallow (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Deer mouse (Mammalian omnivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Deer mouse (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Desert cottontail (Mammalian herbivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Desert cottontail (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Occult little brown myotis bat (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Red fox (Mammalian top carnivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Red fox (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Vagrant shrew (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Acenaphthene	83-32-9	Aquatic	Aquatic community organisms - sediment	SEDIMENT	6.20E-01	mg/kg
PAH	Acenaphthene	83-32-9	Aquatic	Aquatic community organisms - water	WATER	2.30E+01	µg/L
PAH	Acenaphthene	83-32-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Acenaphthene	83-32-9	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Acenaphthene	83-32-9	Bird	American kestrel (water)	WATER		
PAH	Acenaphthene	83-32-9	Bird	American robin (Avian herbivore)	SOIL		
PAH	Acenaphthene	83-32-9	Bird	American robin (Avian insectivore)	SOIL		
PAH	Acenaphthene	83-32-9	Bird	American robin (Avian omnivore)	SOIL		
PAH	Acenaphthene	83-32-9	Bird	American robin (water)	WATER		
PAH	Acenaphthene	83-32-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Acenaphthene	83-32-9	Bird	Violet-green Swallow (water)	WATER		
PAH	Acenaphthene	83-32-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Acenaphthene	83-32-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.10E+02	mg/kg
PAH	Acenaphthene	83-32-9	Mammal	Deer mouse (water)	WATER	3.60E+05	µg/L
PAH	Acenaphthene	83-32-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.20E+03	mg/kg
PAH	Acenaphthene	83-32-9	Mammal	Desert cottontail (water)	WATER	7.20E+05	µg/L
PAH	Acenaphthene	83-32-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.20E+02	mg/kg
PAH	Acenaphthene	83-32-9	Mammal	Occult little brown myotis bat (water)	WATER	4.40E+05	µg/L
PAH	Acenaphthene	83-32-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.80E+04	mg/kg
PAH	Acenaphthene	83-32-9	Mammal	Red fox (water)	WATER	8.10E+05	µg/L
PAH	Acenaphthene	83-32-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E+02	mg/kg
PAH	Acenaphthene	83-32-9	Mammal	Vagrant shrew (water)	WATER	3.10E+05	µg/L
PAH	Acenaphthene	83-32-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.50E+00	mg/kg
PAH	Acenaphthylene	208-96-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT	4.40E-02	mg/kg
PAH	Acenaphthylene	208-96-8	Aquatic	Aquatic community organisms - water	WATER	3.00E+01	µg/L
PAH	Acenaphthylene	208-96-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Acenaphthylene	208-96-8	Bird	American kestrel (Avian top carnivore)	SOIL		

PAH	Acenaphthylene	208-96-8	Bird	American kestrel (water)	WATER		
PAH	Acenaphthylene	208-96-8	Bird	American robin (Avian herbivore)	SOIL		
PAH	Acenaphthylene	208-96-8	Bird	American robin (Avian insectivore)	SOIL		
PAH	Acenaphthylene	208-96-8	Bird	American robin (Avian omnivore)	SOIL		
PAH	Acenaphthylene	208-96-8	Bird	American robin (water)	WATER		
PAH	Acenaphthylene	208-96-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Acenaphthylene	208-96-8	Bird	Violet-green Swallow (water)	WATER		
PAH	Acenaphthylene	208-96-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Acenaphthylene	208-96-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.10E+02	mg/kg
PAH	Acenaphthylene	208-96-8	Mammal	Deer mouse (water)	WATER	3.60E+05	µg/L
PAH	Acenaphthylene	208-96-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.80E+03	mg/kg
PAH	Acenaphthylene	208-96-8	Mammal	Desert cottontail (water)	WATER	7.20E+05	µg/L
PAH	Acenaphthylene	208-96-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	2.10E+02	mg/kg
PAH	Acenaphthylene	208-96-8	Mammal	Occult little brown myotis bat (water)	WATER	4.40E+05	µg/L
PAH	Acenaphthylene	208-96-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.40E+04	mg/kg
PAH	Acenaphthylene	208-96-8	Mammal	Red fox (water)	WATER	8.10E+05	µg/L
PAH	Acenaphthylene	208-96-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E+02	mg/kg
PAH	Acenaphthylene	208-96-8	Mammal	Vagrant shrew (water)	WATER	3.10E+05	µg/L
PAH	Acenaphthylene	208-96-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Anthracene	120-12-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.90E-04	mg/kg
PAH	Anthracene	120-12-7	Aquatic	Aquatic community organisms - water	WATER	1.30E-03	µg/L
PAH	Anthracene	120-12-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Anthracene	120-12-7	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Anthracene	120-12-7	Bird	American kestrel (water)	WATER		
PAH	Anthracene	120-12-7	Bird	American robin (Avian herbivore)	SOIL		
PAH	Anthracene	120-12-7	Bird	American robin (Avian insectivore)	SOIL		
PAH	Anthracene	120-12-7	Bird	American robin (Avian omnivore)	SOIL		
PAH	Anthracene	120-12-7	Bird	American robin (water)	WATER		
PAH	Anthracene	120-12-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Anthracene	120-12-7	Bird	Violet-green Swallow (water)	WATER		
PAH	Anthracene	120-12-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Anthracene	120-12-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.30E+03	mg/kg
PAH	Anthracene	120-12-7	Mammal	Deer mouse (water)	WATER	5.20E+06	µg/L
PAH	Anthracene	120-12-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	9.30E+04	mg/kg
PAH	Anthracene	120-12-7	Mammal	Desert cottontail (water)	WATER	1.00E+07	µg/L
PAH	Anthracene	120-12-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	2.90E+03	mg/kg
PAH	Anthracene	120-12-7	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+06	µg/L
PAH	Anthracene	120-12-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.80E+05	mg/kg
PAH	Anthracene	120-12-7	Mammal	Red fox (water)	WATER	1.10E+07	µg/L
PAH	Anthracene	120-12-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.20E+03	mg/kg
PAH	Anthracene	120-12-7	Mammal	Vagrant shrew (water)	WATER	4.40E+06	µg/L
PAH	Anthracene	120-12-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Benzo[a]anthracene	56-55-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.10E-01	mg/kg
PAH	Benzo[a]anthracene	56-55-3	Aquatic	Aquatic community organisms - water	WATER	2.70E-02	µg/L
PAH	Benzo[a]anthracene	56-55-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Benzo[a]anthracene	56-55-3	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Benzo[a]anthracene	56-55-3	Bird	American kestrel (water)	WATER		
PAH	Benzo[a]anthracene	56-55-3	Bird	American robin (Avian herbivore)	SOIL		
PAH	Benzo[a]anthracene	56-55-3	Bird	American robin (Avian insectivore)	SOIL		
PAH	Benzo[a]anthracene	56-55-3	Bird	American robin (Avian omnivore)	SOIL		
PAH	Benzo[a]anthracene	56-55-3	Bird	American robin (water)	WATER		
PAH	Benzo[a]anthracene	56-55-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Benzo[a]anthracene	56-55-3	Bird	Violet-green Swallow (water)	WATER		
PAH	Benzo[a]anthracene	56-55-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Benzo[a]anthracene	56-55-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.70E+00	mg/kg
PAH	Benzo[a]anthracene	56-55-3	Mammal	Deer mouse (water)	WATER	8.90E+03	µg/L
PAH	Benzo[a]anthracene	56-55-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	4.10E+02	mg/kg
PAH	Benzo[a]anthracene	56-55-3	Mammal	Desert cottontail (water)	WATER	1.70E+04	µg/L
PAH	Benzo[a]anthracene	56-55-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	4.30E+00	mg/kg
PAH	Benzo[a]anthracene	56-55-3	Mammal	Occult little brown myotis bat (water)	WATER	1.00E+04	µg/L
PAH	Benzo[a]anthracene	56-55-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.30E+01	mg/kg
PAH	Benzo[a]anthracene	56-55-3	Mammal	Red fox (water)	WATER	1.90E+04	µg/L
PAH	Benzo[a]anthracene	56-55-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.30E+00	mg/kg
PAH	Benzo[a]anthracene	56-55-3	Mammal	Vagrant shrew (water)	WATER	7.60E+03	µg/L
PAH	Benzo[a]anthracene	56-55-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.80E+01	mg/kg
PAH	Benzo[a]pyrene	50-32-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.50E-01	mg/kg
PAH	Benzo[a]pyrene	50-32-8	Aquatic	Aquatic community organisms - water	WATER	1.40E-02	µg/L
PAH	Benzo[a]pyrene	50-32-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Benzo[a]pyrene	50-32-8	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Benzo[a]pyrene	50-32-8	Bird	American kestrel (water)	WATER		
PAH	Benzo[a]pyrene	50-32-8	Bird	American robin (Avian herbivore)	SOIL		
PAH	Benzo[a]pyrene	50-32-8	Bird	American robin (Avian insectivore)	SOIL		
PAH	Benzo[a]pyrene	50-32-8	Bird	American robin (Avian omnivore)	SOIL		
PAH	Benzo[a]pyrene	50-32-8	Bird	American robin (water)	WATER		
PAH	Benzo[a]pyrene	50-32-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Benzo[a]pyrene	50-32-8	Bird	Violet-green Swallow (water)	WATER		
PAH	Benzo[a]pyrene	50-32-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Benzo[a]pyrene	50-32-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.80E+00	mg/kg
PAH	Benzo[a]pyrene	50-32-8	Mammal	Deer mouse (water)	WATER	5.20E+03	µg/L
PAH	Benzo[a]pyrene	50-32-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.00E+02	mg/kg
PAH	Benzo[a]pyrene	50-32-8	Mammal	Desert cottontail (water)	WATER	1.00E+04	µg/L
PAH	Benzo[a]pyrene	50-32-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	2.40E+00	mg/kg
PAH	Benzo[a]pyrene	50-32-8	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+03	µg/L
PAH	Benzo[a]pyrene	50-32-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	9.30E+00	mg/kg
PAH	Benzo[a]pyrene	50-32-8	Mammal	Red fox (water)	WATER	1.10E+04	µg/L
PAH	Benzo[a]pyrene	50-32-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.80E+00	mg/kg
PAH	Benzo[a]pyrene	50-32-8	Mammal	Vagrant shrew (water)	WATER	4.40E+03	µg/L
PAH	Benzo[a]pyrene	50-32-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Benzo[b]fluoranthene	205-99-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.40E-01	mg/kg
PAH	Benzo[b]fluoranthene	205-99-2	Aquatic	Aquatic community organisms - water	WATER	3.00E+01	µg/L
PAH	Benzo[b]fluoranthene	205-99-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Benzo[b]fluoranthene	205-99-2	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Benzo[b]fluoranthene	205-99-2	Bird	American kestrel (water)	WATER		
PAH	Benzo[b]fluoranthene	205-99-2	Bird	American robin (Avian herbivore)	SOIL		
PAH	Benzo[b]fluoranthene	205-99-2	Bird	American robin (Avian insectivore)	SOIL		
PAH	Benzo[b]fluoranthene	205-99-2	Bird	American robin (Avian omnivore)	SOIL		
PAH	Benzo[b]fluoranthene	205-99-2	Bird	American robin (water)	WATER		
PAH	Benzo[b]fluoranthene	205-99-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Benzo[b]fluoranthene	205-99-2	Bird	Violet-green Swallow (water)	WATER		
PAH	Benzo[b]fluoranthene	205-99-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Benzo[b]fluoranthene	205-99-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E+01	mg/kg
PAH	Benzo[b]fluoranthene	205-99-2	Mammal	Deer mouse (water)	WATER	2.10E+04	µg/L
PAH	Benzo[b]fluoranthene	205-99-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.20E+03	mg/kg
PAH	Benzo[b]fluoranthene	205-99-2	Mammal	Desert cottontail (water)	WATER	4.10E+04	µg/L
PAH	Benzo[b]fluoranthene	205-99-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	9.60E+00	mg/kg
PAH	Benzo[b]fluoranthene	205-99-2	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+04	µg/L
PAH	Benzo[b]fluoranthene	205-99-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.90E+01	mg/kg
PAH	Benzo[b]fluoranthene	205-99-2	Mammal	Red fox (water)	WATER	4.60E+04	µg/L
PAH	Benzo[b]fluoranthene	205-99-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.40E+00	mg/kg
PAH	Benzo[b]fluoranthene	205-99-2	Mammal	Vagrant shrew (water)	WATER	1.70E+04	µg/L
PAH	Benzo[b]fluoranthene	205-99-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.80E+01	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.90E-01	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Aquatic	Aquatic community organisms - water	WATER	3.00E+01	µg/L
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American kestrel (water)	WATER		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American robin (Avian herbivore)	SOIL		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American robin (Avian insectivore)	SOIL		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American robin (Avian omnivore)	SOIL		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American robin (water)	WATER		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	Violet-green Swallow (water)	WATER		
PAH	Benzo(g,h,i)perylene	191-24-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.50E+01	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Deer mouse (water)	WATER	3.70E+04	µg/L
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.60E+03	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Desert cottontail (water)	WATER	7.40E+04	µg/L
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	1.60E+01	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Occult little brown myotis bat (water)	WATER	4.50E+04	µg/L
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.50E+01	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Red fox (water)	WATER	8.30E+04	µg/L
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+01	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Vagrant shrew (water)	WATER	3.20E+04	µg/L
PAH	Benzo(g,h,i)perylene	191-24-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Benzo[k]fluoranthene	207-08-9	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.40E-01	mg/kg
PAH	Benzo[k]fluoranthene	207-08-9	Aquatic	Aquatic community organisms - water	WATER	3.00E+01	µg/L
PAH	Benzo[k]fluoranthene	207-08-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Benzo[k]fluoranthene	207-08-9	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Benzo[k]fluoranthene	207-08-9	Bird	American kestrel (water)	WATER		
PAH	Benzo[k]fluoranthene	207-08-9	Bird	American robin (Avian herbivore)	SOIL		
PAH	Benzo[k]fluoranthene	207-08-9	Bird	American robin (Avian insectivore)	SOIL		
PAH	Benzo[k]fluoranthene	207-08-9	Bird	American robin (Avian omnivore)	SOIL		
PAH	Benzo[k]fluoranthene	207-08-9	Bird	American robin (water)	WATER		
PAH	Benzo[k]fluoranthene	207-08-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Benzo[k]fluoranthene	207-08-9	Bird	Violet-green Swallow (water)	WATER		
PAH	Benzo[k]fluoranthene	207-08-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Benzo[k]fluoranthene	207-08-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.70E+01	mg/kg
PAH	Benzo[k]fluoranthene	207-08-9	Mammal	Deer mouse (water)	WATER	3.70E+04	µg/L
PAH	Benzo[k]fluoranthene	207-08-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.20E+03	mg/kg
PAH	Benzo[k]fluoranthene	207-08-9	Mammal	Desert cottontail (water)	WATER	7.40E+04	µg/L
PAH	Benzo[k]fluoranthene	207-08-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	1.70E+01	mg/kg
PAH	Benzo[k]fluoranthene	207-08-9	Mammal	Occult little brown myotis bat (water)	WATER	4.50E+04	µg/L
PAH	Benzo[k]fluoranthene	207-08-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.30E+01	mg/kg
PAH	Benzo[k]fluoranthene	207-08-9	Mammal	Red fox (water)	WATER	8.30E+04	µg/L
PAH	Benzo[k]fluoranthene	207-08-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.30E+01	mg/kg
PAH	Benzo[k]fluoranthene	207-08-9	Mammal	Vagrant shrew (water)	WATER	3.20E+04	µg/L
PAH	Benzo[k]fluoranthene	207-08-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Chrysene	218-01-9	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.00E-01	mg/kg
PAH	Chrysene	218-01-9	Aquatic	Aquatic community organisms - water	WATER	3.00E+01	µg/L
PAH	Chrysene	218-01-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Chrysene	218-01-9	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Chrysene	218-01-9	Bird	American kestrel (water)	WATER		
PAH	Chrysene	218-01-9	Bird	American robin (Avian herbivore)	SOIL		
PAH	Chrysene	218-01-9	Bird	American robin (Avian insectivore)	SOIL		
PAH	Chrysene	218-01-9	Bird	American robin (Avian omnivore)	SOIL		
PAH	Chrysene	218-01-9	Bird	American robin (water)	WATER		
PAH	Chrysene	218-01-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Chrysene	218-01-9	Bird	Violet-green Swallow (water)	WATER		
PAH	Chrysene	218-01-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Chrysene	218-01-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.70E+00	mg/kg
PAH	Chrysene	218-01-9	Mammal	Deer mouse (water)	WATER	8.90E+03	µg/L
PAH	Chrysene	218-01-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	4.10E+02	mg/kg
PAH	Chrysene	218-01-9	Mammal	Desert cottontail (water)	WATER	1.70E+04	µg/L
PAH	Chrysene	218-01-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	4.30E+00	mg/kg
PAH	Chrysene	218-01-9	Mammal	Occult little brown myotis bat (water)	WATER	1.00E+04	µg/L
PAH	Chrysene	218-01-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.30E+01	mg/kg
PAH	Chrysene	218-01-9	Mammal	Red fox (water)	WATER	1.90E+04	µg/L
PAH	Chrysene	218-01-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.30E+00	mg/kg
PAH	Chrysene	218-01-9	Mammal	Vagrant shrew (water)	WATER	7.60E+03	µg/L
PAH	Chrysene	218-01-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.50E-02	mg/kg
PAH	Dibenzo(a,h)anthracene	53-70-3	Aquatic	Aquatic community organisms - water	WATER	3.00E+01	µg/L
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American kestrel (water)	WATER		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American robin (Avian herbivore)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American robin (Avian insectivore)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American robin (Avian omnivore)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American robin (water)	WATER		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	Violet-green Swallow (water)	WATER		
PAH	Dibenzo(a,h)anthracene	53-70-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.70E+00	mg/kg
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Deer mouse (water)	WATER	7.00E+03	µg/L
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	4.80E+02	mg/kg
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Desert cottontail (water)	WATER	1.30E+04	µg/L
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	3.00E+00	mg/kg
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Occult little brown myotis bat (water)	WATER	8.30E+03	µg/L
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.90E+00	mg/kg
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Red fox (water)	WATER	1.50E+04	µg/L
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.30E+00	mg/kg
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Vagrant shrew (water)	WATER	5.90E+03	µg/L
PAH	Dibenzo(a,h)anthracene	53-70-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Fluoranthene	206-44-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.90E+00	mg/kg
PAH	Fluoranthene	206-44-0	Aquatic	Aquatic community organisms - water	WATER	6.10E+00	µg/L
PAH	Fluoranthene	206-44-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Fluoranthene	206-44-0	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Fluoranthene	206-44-0	Bird	American kestrel (water)	WATER		
PAH	Fluoranthene	206-44-0	Bird	American robin (Avian herbivore)	SOIL		
PAH	Fluoranthene	206-44-0	Bird	American robin (Avian insectivore)	SOIL		
PAH	Fluoranthene	206-44-0	Bird	American robin (Avian omnivore)	SOIL		
PAH	Fluoranthene	206-44-0	Bird	American robin (water)	WATER		
PAH	Fluoranthene	206-44-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Fluoranthene	206-44-0	Bird	Violet-green Swallow (water)	WATER		
PAH	Fluoranthene	206-44-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Fluoranthene	206-44-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	5.20E+01	mg/kg
PAH	Fluoranthene	206-44-0	Mammal	Deer mouse (water)	WATER	6.50E+04	µg/L
PAH	Fluoranthene	206-44-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.00E+03	mg/kg
PAH	Fluoranthene	206-44-0	Mammal	Desert cottontail (water)	WATER	1.20E+05	µg/L
PAH	Fluoranthene	206-44-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	3.40E+01	mg/kg
PAH	Fluoranthene	206-44-0	Mammal	Occult little brown myotis bat (water)	WATER	7.80E+04	µg/L
PAH	Fluoranthene	206-44-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.20E+03	mg/kg
PAH	Fluoranthene	206-44-0	Mammal	Red fox (water)	WATER	1.40E+05	µg/L
PAH	Fluoranthene	206-44-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.60E+01	mg/kg
PAH	Fluoranthene	206-44-0	Mammal	Vagrant shrew (water)	WATER	5.60E+04	µg/L
PAH	Fluoranthene	206-44-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Fluorene	86-73-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.40E-01	mg/kg
PAH	Fluorene	86-73-7	Aquatic	Aquatic community organisms - water	WATER	3.90E+00	µg/L
PAH	Fluorene	86-73-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Fluorene	86-73-7	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Fluorene	86-73-7	Bird	American kestrel (water)	WATER		
PAH	Fluorene	86-73-7	Bird	American robin (Avian herbivore)	SOIL		
PAH	Fluorene	86-73-7	Bird	American robin (Avian insectivore)	SOIL		
PAH	Fluorene	86-73-7	Bird	American robin (Avian omnivore)	SOIL		
PAH	Fluorene	86-73-7	Bird	American robin (water)	WATER		
PAH	Fluorene	86-73-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Fluorene	86-73-7	Bird	Violet-green Swallow (water)	WATER		
PAH	Fluorene	86-73-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	5.00E+02	mg/kg
PAH	Fluorene	86-73-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	5.50E+01	mg/kg
PAH	Fluorene	86-73-7	Mammal	Deer mouse (water)	WATER	6.50E+04	µg/L
PAH	Fluorene	86-73-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.00E+02	mg/kg
PAH	Fluorene	86-73-7	Mammal	Desert cottontail (water)	WATER	1.20E+05	µg/L
PAH	Fluorene	86-73-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	3.80E+01	mg/kg
PAH	Fluorene	86-73-7	Mammal	Occult little brown myotis bat (water)	WATER	7.80E+04	µg/L
PAH	Fluorene	86-73-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.40E+03	mg/kg
PAH	Fluorene	86-73-7	Mammal	Red fox (water)	WATER	1.40E+05	µg/L
PAH	Fluorene	86-73-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.90E+01	mg/kg
PAH	Fluorene	86-73-7	Mammal	Vagrant shrew (water)	WATER	5.60E+04	µg/L
PAH	Fluorene	86-73-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Aquatic	Aquatic community organisms - sediment	SEDIMENT	7.80E-02	mg/kg
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Aquatic	Aquatic community organisms - water	WATER	3.00E+01	µg/L
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American kestrel (water)	WATER		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American robin (Avian herbivore)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American robin (Avian insectivore)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American robin (Avian omnivore)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American robin (water)	WATER		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	Violet-green Swallow (water)	WATER		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.50E+01	mg/kg
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Deer mouse (water)	WATER	3.70E+04	µg/L
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.60E+03	mg/kg
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Desert cottontail (water)	WATER	7.40E+04	µg/L
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	1.60E+01	mg/kg
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Occult little brown myotis bat (water)	WATER	4.50E+04	µg/L
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.70E+01	mg/kg
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Red fox (water)	WATER	8.30E+04	µg/L
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+01	mg/kg
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Vagrant shrew (water)	WATER	3.20E+04	µg/L
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.80E-01	mg/kg
PAH	Methylnaphthalene[2-]	91-57-6	Aquatic	Aquatic community organisms - water	WATER	2.00E+00	µg/L
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American kestrel (water)	WATER		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American robin (Avian herbivore)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American robin (Avian insectivore)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American robin (Avian omnivore)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American robin (water)	WATER		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	Violet-green Swallow (water)	WATER		
PAH	Methylnaphthalene[2-]	91-57-6	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.10E+01	mg/kg
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Deer mouse (water)	WATER	1.30E+04	µg/L
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.00E+02	mg/kg
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Desert cottontail (water)	WATER	2.50E+04	µg/L
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	7.90E+00	mg/kg
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Occult little brown myotis bat (water)	WATER	1.50E+04	µg/L
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.40E+03	mg/kg
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Red fox (water)	WATER	2.90E+04	µg/L
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	6.00E+00	mg/kg
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Vagrant shrew (water)	WATER	1.10E+04	µg/L
PAH	Methylnaphthalene[2-]	91-57-6	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Naphthalene	91-20-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT	4.70E-01	mg/kg
PAH	Naphthalene	91-20-3	Aquatic	Aquatic community organisms - water	WATER	2.30E+01	µg/L
PAH	Naphthalene	91-20-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.40E+00	mg/kg
PAH	Naphthalene	91-20-3	Bird	American kestrel (Avian top carnivore)	SOIL	6.20E+01	mg/kg
PAH	Naphthalene	91-20-3	Bird	American kestrel (water)	WATER	1.10E+03	µg/L
PAH	Naphthalene	91-20-3	Bird	American robin (Avian herbivore)	SOIL	7.30E-01	mg/kg
PAH	Naphthalene	91-20-3	Bird	American robin (Avian insectivore)	SOIL	2.00E-01	mg/kg
PAH	Naphthalene	91-20-3	Bird	American robin (Avian omnivore)	SOIL	3.10E-01	mg/kg
PAH	Naphthalene	91-20-3	Bird	American robin (water)	WATER	9.90E+02	µg/L
PAH	Naphthalene	91-20-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.70E-01	mg/kg
PAH	Naphthalene	91-20-3	Bird	Violet-green Swallow (water)	WATER	5.70E+02	µg/L
PAH	Naphthalene	91-20-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Naphthalene	91-20-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.10E+01	mg/kg
PAH	Naphthalene	91-20-3	Mammal	Deer mouse (water)	WATER	2.60E+04	µg/L
PAH	Naphthalene	91-20-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.10E+02	mg/kg
PAH	Naphthalene	91-20-3	Mammal	Desert cottontail (water)	WATER	5.10E+04	µg/L
PAH	Naphthalene	91-20-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	1.60E+01	mg/kg
PAH	Naphthalene	91-20-3	Mammal	Occult little brown myotis bat (water)	WATER	3.10E+04	µg/L
PAH	Naphthalene	91-20-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.40E+03	mg/kg
PAH	Naphthalene	91-20-3	Mammal	Red fox (water)	WATER	5.80E+04	µg/L
PAH	Naphthalene	91-20-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+01	mg/kg
PAH	Naphthalene	91-20-3	Mammal	Vagrant shrew (water)	WATER	2.20E+04	µg/L
PAH	Naphthalene	91-20-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Phenanthrene	85-01-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT	6.50E-01	mg/kg
PAH	Phenanthrene	85-01-8	Aquatic	Aquatic community organisms - water	WATER	6.30E+00	µg/L
PAH	Phenanthrene	85-01-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Phenanthrene	85-01-8	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Phenanthrene	85-01-8	Bird	American kestrel (water)	WATER		
PAH	Phenanthrene	85-01-8	Bird	American robin (Avian herbivore)	SOIL		
PAH	Phenanthrene	85-01-8	Bird	American robin (Avian insectivore)	SOIL		
PAH	Phenanthrene	85-01-8	Bird	American robin (Avian omnivore)	SOIL		
PAH	Phenanthrene	85-01-8	Bird	American robin (water)	WATER		
PAH	Phenanthrene	85-01-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Phenanthrene	85-01-8	Bird	Violet-green Swallow (water)	WATER		
PAH	Phenanthrene	85-01-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Phenanthrene	85-01-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.20E+02	mg/kg
PAH	Phenanthrene	85-01-8	Mammal	Deer mouse (water)	WATER	2.70E+05	µg/L
PAH	Phenanthrene	85-01-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	4.80E+03	mg/kg
PAH	Phenanthrene	85-01-8	Mammal	Desert cottontail (water)	WATER	5.20E+05	µg/L
PAH	Phenanthrene	85-01-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	1.50E+02	mg/kg
PAH	Phenanthrene	85-01-8	Mammal	Occult little brown myotis bat (water)	WATER	3.20E+05	µg/L
PAH	Phenanthrene	85-01-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.40E+04	mg/kg
PAH	Phenanthrene	85-01-8	Mammal	Red fox (water)	WATER	5.90E+05	µg/L
PAH	Phenanthrene	85-01-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.10E+02	mg/kg
PAH	Phenanthrene	85-01-8	Mammal	Vagrant shrew (water)	WATER	2.30E+05	µg/L
PAH	Phenanthrene	85-01-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Pyrene	129-00-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.70E-01	mg/kg
PAH	Pyrene	129-00-0	Aquatic	Aquatic community organisms - water	WATER	3.00E+01	µg/L
PAH	Pyrene	129-00-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Pyrene	129-00-0	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Pyrene	129-00-0	Bird	American kestrel (water)	WATER		
PAH	Pyrene	129-00-0	Bird	American robin (Avian herbivore)	SOIL		
PAH	Pyrene	129-00-0	Bird	American robin (Avian insectivore)	SOIL		
PAH	Pyrene	129-00-0	Bird	American robin (Avian omnivore)	SOIL		
PAH	Pyrene	129-00-0	Bird	American robin (water)	WATER		
PAH	Pyrene	129-00-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Pyrene	129-00-0	Bird	Violet-green Swallow (water)	WATER		
PAH	Pyrene	129-00-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Pyrene	129-00-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.10E+01	mg/kg

PAH	Pyrene	129-00-0	Mammal	Deer mouse (water)	WATER	3.90E+04	µg/L
PAH	Pyrene	129-00-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.20E+03	mg/kg
PAH	Pyrene	129-00-0	Mammal	Desert cottontail (water)	WATER	7.70E+04	µg/L
PAH	Pyrene	129-00-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.00E+01	mg/kg
PAH	Pyrene	129-00-0	Mammal	Occult little brown myotis bat (water)	WATER	4.70E+04	µg/L
PAH	Pyrene	129-00-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.40E+02	mg/kg
PAH	Pyrene	129-00-0	Mammal	Red fox (water)	WATER	8.70E+04	µg/L
PAH	Pyrene	129-00-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.50E+01	mg/kg
PAH	Pyrene	129-00-0	Mammal	Vagrant shrew (water)	WATER	3.30E+04	µg/L
PAH	Pyrene	129-00-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PCB	Aroclor-1016	12674-11-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.00E-02	mg/kg
PCB	Aroclor-1016	12674-11-2	Aquatic	Aquatic community organisms - water	WATER	1.40E-02	µg/L
PCB	Aroclor-1016	12674-11-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PCB	Aroclor-1016	12674-11-2	Bird	American kestrel (Avian top carnivore)	SOIL		
PCB	Aroclor-1016	12674-11-2	Bird	American kestrel (water)	WATER		
PCB	Aroclor-1016	12674-11-2	Bird	American robin (Avian herbivore)	SOIL		
PCB	Aroclor-1016	12674-11-2	Bird	American robin (Avian insectivore)	SOIL		
PCB	Aroclor-1016	12674-11-2	Bird	American robin (Avian omnivore)	SOIL		
PCB	Aroclor-1016	12674-11-2	Bird	American robin (water)	WATER		
PCB	Aroclor-1016	12674-11-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PCB	Aroclor-1016	12674-11-2	Bird	Violet-green Swallow (water)	WATER		
PCB	Aroclor-1016	12674-11-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PCB	Aroclor-1016	12674-11-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.20E+00	mg/kg
PCB	Aroclor-1016	12674-11-2	Mammal	Deer mouse (water)	WATER	7.30E+03	µg/L
PCB	Aroclor-1016	12674-11-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.00E+01	mg/kg
PCB	Aroclor-1016	12674-11-2	Mammal	Desert cottontail (water)	WATER	1.40E+04	µg/L
PCB	Aroclor-1016	12674-11-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	6.90E+00	mg/kg
PCB	Aroclor-1016	12674-11-2	Mammal	Occult little brown myotis bat (water)	WATER	8.80E+03	µg/L
PCB	Aroclor-1016	12674-11-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	6.70E+02	mg/kg
PCB	Aroclor-1016	12674-11-2	Mammal	Red fox (water)	WATER	1.60E+04	µg/L
PCB	Aroclor-1016	12674-11-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.20E+00	mg/kg
PCB	Aroclor-1016	12674-11-2	Mammal	Vagrant shrew (water)	WATER	6.20E+03	µg/L
PCB	Aroclor-1016	12674-11-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PCB	Aroclor-1242	53469-21-9	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.10E-02	mg/kg
PCB	Aroclor-1242	53469-21-9	Aquatic	Aquatic community organisms - water	WATER	6.00E-02	µg/L
PCB	Aroclor-1242	53469-21-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.90E+00	mg/kg
PCB	Aroclor-1242	53469-21-9	Bird	American kestrel (Avian top carnivore)	SOIL	1.10E+02	mg/kg
PCB	Aroclor-1242	53469-21-9	Bird	American kestrel (water)	WATER	3.40E+03	µg/L
PCB	Aroclor-1242	53469-21-9	Bird	American robin (Avian herbivore)	SOIL	4.40E+00	mg/kg
PCB	Aroclor-1242	53469-21-9	Bird	American robin (Avian insectivore)	SOIL	5.40E-01	mg/kg
PCB	Aroclor-1242	53469-21-9	Bird	American robin (Avian omnivore)	SOIL	9.70E-01	mg/kg
PCB	Aroclor-1242	53469-21-9	Bird	American robin (water)	WATER	2.90E+03	µg/L
PCB	Aroclor-1242	53469-21-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	7.40E-01	mg/kg
PCB	Aroclor-1242	53469-21-9	Bird	Violet-green Swallow (water)	WATER	1.60E+03	µg/L
PCB	Aroclor-1242	53469-21-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PCB	Aroclor-1242	53469-21-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.00E-01	mg/kg
PCB	Aroclor-1242	53469-21-9	Mammal	Deer mouse (water)	WATER	3.60E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.90E+00	mg/kg
PCB	Aroclor-1242	53469-21-9	Mammal	Desert cottontail (water)	WATER	7.10E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.10E-01	mg/kg
PCB	Aroclor-1242	53469-21-9	Mammal	Occult little brown myotis bat (water)	WATER	4.30E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.30E+01	mg/kg
PCB	Aroclor-1242	53469-21-9	Mammal	Red fox (water)	WATER	8.00E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E-01	mg/kg
PCB	Aroclor-1242	53469-21-9	Mammal	Vagrant shrew (water)	WATER	3.00E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PCB	Aroclor-1248	12672-29-6	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.10E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Aquatic	Aquatic community organisms - water	WATER	1.00E-02	µg/L
PCB	Aroclor-1248	12672-29-6	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.70E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Bird	American kestrel (Avian top carnivore)	SOIL	4.00E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Bird	American kestrel (water)	WATER	2.20E+01	µg/L
PCB	Aroclor-1248	12672-29-6	Bird	American robin (Avian herbivore)	SOIL	6.30E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Bird	American robin (Avian insectivore)	SOIL	3.00E-03	mg/kg
PCB	Aroclor-1248	12672-29-6	Bird	American robin (Avian omnivore)	SOIL	5.80E-03	mg/kg
PCB	Aroclor-1248	12672-29-6	Bird	American robin (water)	WATER	1.90E+01	µg/L
PCB	Aroclor-1248	12672-29-6	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	4.10E-03	mg/kg
PCB	Aroclor-1248	12672-29-6	Bird	Violet-green Swallow (water)	WATER	1.10E+01	µg/L
PCB	Aroclor-1248	12672-29-6	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PCB	Aroclor-1248	12672-29-6	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.00E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Mammal	Deer mouse (water)	WATER	5.20E+01	µg/L
PCB	Aroclor-1248	12672-29-6	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.30E+00	mg/kg
PCB	Aroclor-1248	12672-29-6	Mammal	Desert cottontail (water)	WATER	1.00E+02	µg/L
PCB	Aroclor-1248	12672-29-6	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.50E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+01	µg/L
PCB	Aroclor-1248	12672-29-6	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.20E-01	mg/kg
PCB	Aroclor-1248	12672-29-6	Mammal	Red fox (water)	WATER	1.10E+02	µg/L
PCB	Aroclor-1248	12672-29-6	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.00E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Mammal	Vagrant shrew (water)	WATER	4.40E+01	µg/L
PCB	Aroclor-1248	12672-29-6	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PCB	Aroclor-1254	11097-69-1	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.10E-02	mg/kg
PCB	Aroclor-1254	11097-69-1	Aquatic	Aquatic community organisms - water	WATER	2.00E-02	µg/L
PCB	Aroclor-1254	11097-69-1	Bird	American kestrel (Avian intermediate carnivore)	SOIL	7.90E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Bird	American kestrel (Avian top carnivore)	SOIL	9.10E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Bird	American kestrel (water)	WATER	1.50E+03	µg/L
PCB	Aroclor-1254	11097-69-1	Bird	American robin (Avian herbivore)	SOIL	4.50E+00	mg/kg
PCB	Aroclor-1254	11097-69-1	Bird	American robin (Avian insectivore)	SOIL	1.90E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Bird	American robin (Avian omnivore)	SOIL	3.70E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Bird	American robin (water)	WATER	1.20E+03	µg/L
PCB	Aroclor-1254	11097-69-1	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.60E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Bird	Violet-green Swallow (water)	WATER	7.40E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PCB	Aroclor-1254	11097-69-1	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.60E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Mammal	Deer mouse (water)	WATER	3.50E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.00E+01	mg/kg
PCB	Aroclor-1254	11097-69-1	Mammal	Desert cottontail (water)	WATER	7.00E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.60E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Mammal	Occult little brown myotis bat (water)	WATER	4.20E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.50E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Mammal	Red fox (water)	WATER	7.90E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Mammal	Vagrant shrew (water)	WATER	3.00E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+01	mg/kg
PCB	Aroclor-1260	11096-82-5	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.10E-02	mg/kg
PCB	Aroclor-1260	11096-82-5	Aquatic	Aquatic community organisms - water	WATER	1.00E+01	µg/L
PCB	Aroclor-1260	11096-82-5	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.90E-01	mg/kg
PCB	Aroclor-1260	11096-82-5	Bird	American kestrel (Avian top carnivore)	SOIL	2.00E-01	mg/kg
PCB	Aroclor-1260	11096-82-5	Bird	American kestrel (water)	WATER	3.90E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Bird	American robin (Avian herbivore)	SOIL	1.20E+00	mg/kg
PCB	Aroclor-1260	11096-82-5	Bird	American robin (Avian insectivore)	SOIL	5.00E-02	mg/kg
PCB	Aroclor-1260	11096-82-5	Bird	American robin (Avian omnivore)	SOIL	9.60E-02	mg/kg
PCB	Aroclor-1260	11096-82-5	Bird	American robin (water)	WATER	3.30E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	6.80E-02	mg/kg
PCB	Aroclor-1260	11096-82-5	Bird	Violet-green Swallow (water)	WATER	1.90E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PCB	Aroclor-1260	11096-82-5	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E-01	mg/kg
PCB	Aroclor-1260	11096-82-5	Mammal	Deer mouse (water)	WATER	2.10E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.20E+01	mg/kg
PCB	Aroclor-1260	11096-82-5	Mammal	Desert cottontail (water)	WATER	4.10E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	9.70E-02	mg/kg
PCB	Aroclor-1260	11096-82-5	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.70E-01	mg/kg
PCB	Aroclor-1260	11096-82-5	Mammal	Red fox (water)	WATER	4.60E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.50E-02	mg/kg
PCB	Aroclor-1260	11096-82-5	Mammal	Vagrant shrew (water)	WATER	1.70E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	BHC[beta-]	319-85-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.40E-01	mg/kg
PEST	BHC[beta-]	319-85-7	Aquatic	Aquatic community organisms - water	WATER	2.40E+00	µg/L
PEST	BHC[beta-]	319-85-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.80E+02	mg/kg
PEST	BHC[beta-]	319-85-7	Bird	American kestrel (Avian top carnivore)	SOIL	1.40E+04	mg/kg
PEST	BHC[beta-]	319-85-7	Bird	American kestrel (water)	WATER	3.10E+05	µg/L
PEST	BHC[beta-]	319-85-7	Bird	American robin (Avian herbivore)	SOIL	3.10E+02	mg/kg
PEST	BHC[beta-]	319-85-7	Bird	American robin (Avian insectivore)	SOIL	5.20E+01	mg/kg
PEST	BHC[beta-]	319-85-7	Bird	American robin (Avian omnivore)	SOIL	9.00E+01	mg/kg
PEST	BHC[beta-]	319-85-7	Bird	American robin (water)	WATER	2.70E+05	µg/L
PEST	BHC[beta-]	319-85-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	7.20E+01	mg/kg
PEST	BHC[beta-]	319-85-7	Bird	Violet-green Swallow (water)	WATER	1.50E+05	µg/L
PEST	BHC[beta-]	319-85-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	BHC[beta-]	319-85-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.70E+00	mg/kg
PEST	BHC[beta-]	319-85-7	Mammal	Deer mouse (water)	WATER	2.10E+03	µg/L
PEST	BHC[beta-]	319-85-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.60E+01	mg/kg
PEST	BHC[beta-]	319-85-7	Mammal	Desert cottontail (water)	WATER	4.10E+03	µg/L
PEST	BHC[beta-]	319-85-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.20E+00	mg/kg
PEST	BHC[beta-]	319-85-7	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+03	µg/L
PEST	BHC[beta-]	319-85-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.30E+02	mg/kg
PEST	BHC[beta-]	319-85-7	Mammal	Red fox (water)	WATER	4.60E+03	µg/L
PEST	BHC[beta-]	319-85-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	9.70E-01	mg/kg
PEST	BHC[beta-]	319-85-7	Mammal	Vagrant shrew (water)	WATER	1.70E+03	µg/L
PEST	BHC[beta-]	319-85-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	BHC[gamma-]	58-89-9	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.80E-03	mg/kg
PEST	BHC[gamma-]	58-89-9	Aquatic	Aquatic community organisms - water	WATER	8.00E-02	µg/L
PEST	BHC[gamma-]	58-89-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL	5.60E+00	mg/kg
PEST	BHC[gamma-]	58-89-9	Bird	American kestrel (Avian top carnivore)	SOIL	2.10E+02	mg/kg
PEST	BHC[gamma-]	58-89-9	Bird	American kestrel (water)	WATER	4.60E+03	µg/L
PEST	BHC[gamma-]	58-89-9	Bird	American robin (Avian herbivore)	SOIL	4.30E+00	mg/kg
PEST	BHC[gamma-]	58-89-9	Bird	American robin (Avian insectivore)	SOIL	7.70E-01	mg/kg
PEST	BHC[gamma-]	58-89-9	Bird	American robin (Avian omnivore)	SOIL	1.30E+00	mg/kg
PEST	BHC[gamma-]	58-89-9	Bird	American robin (water)	WATER	4.00E+03	µg/L
PEST	BHC[gamma-]	58-89-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.00E+00	mg/kg
PEST	BHC[gamma-]	58-89-9	Bird	Violet-green Swallow (water)	WATER	2.30E+03	µg/L
PEST	BHC[gamma-]	58-89-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	BHC[gamma-]	58-89-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.10E-02	mg/kg
PEST	BHC[gamma-]	58-89-9	Mammal	Deer mouse (water)	WATER	7.30E+01	µg/L
PEST	BHC[gamma-]	58-89-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	5.10E-01	mg/kg
PEST	BHC[gamma-]	58-89-9	Mammal	Desert cottontail (water)	WATER	1.40E+02	µg/L
PEST	BHC[gamma-]	58-89-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.50E-02	mg/kg
PEST	BHC[gamma-]	58-89-9	Mammal	Occult little brown myotis bat (water)	WATER	8.80E+01	µg/L
PEST	BHC[gamma-]	58-89-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	8.50E+00	mg/kg
PEST	BHC[gamma-]	58-89-9	Mammal	Red fox (water)	WATER	1.60E+02	µg/L
PEST	BHC[gamma-]	58-89-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.40E-02	mg/kg
PEST	BHC[gamma-]	58-89-9	Mammal	Vagrant shrew (water)	WATER	6.20E+01	µg/L
PEST	BHC[gamma-]	58-89-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E-01	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.00E-04	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Aquatic	Aquatic community organisms - water	WATER	4.30E-03	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL	6.30E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Bird	American kestrel (Avian top carnivore)	SOIL	5.30E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Bird	American kestrel (water)	WATER	1.70E+04	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Bird	American robin (Avian herbivore)	SOIL	5.50E+01	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Bird	American robin (Avian insectivore)	SOIL	2.10E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Bird	American robin (Avian omnivore)	SOIL	4.20E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Bird	American robin (water)	WATER	1.50E+04	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.90E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Bird	Violet-green Swallow (water)	WATER	8.60E+03	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.30E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Deer mouse (water)	WATER	6.10E+03	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.80E+02	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Desert cottontail (water)	WATER	1.20E+04	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.80E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Occult little brown myotis bat (water)	WATER	7.30E+03	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	6.50E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Red fox (water)	WATER	1.30E+04	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.10E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Vagrant shrew (water)	WATER	5.20E+03	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.20E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.00E-04	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Aquatic	Aquatic community organisms - water	WATER	4.30E-03	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL	6.30E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Bird	American kestrel (Avian top carnivore)	SOIL	5.30E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Bird	American kestrel (water)	WATER	1.70E+04	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Bird	American robin (Avian herbivore)	SOIL	5.50E+01	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Bird	American robin (Avian insectivore)	SOIL	2.10E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Bird	American robin (Avian omnivore)	SOIL	4.20E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Bird	American robin (water)	WATER	1.50E+04	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.90E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Bird	Violet-green Swallow (water)	WATER	8.60E+03	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.30E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Deer mouse (water)	WATER	6.10E+03	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.80E+02	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Desert cottontail (water)	WATER	1.20E+04	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.80E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Occult little brown myotis bat (water)	WATER	7.30E+03	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	6.50E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Red fox (water)	WATER	1.30E+04	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.10E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Vagrant shrew (water)	WATER	5.20E+03	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.20E+00	mg/kg
PEST	DDE[4,4'-]	72-55-9	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.20E-03	mg/kg
PEST	DDE[4,4'-]	72-55-9	Aquatic	Aquatic community organisms - water	WATER	1.00E+01	µg/L
PEST	DDE[4,4'-]	72-55-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.00E-03	mg/kg
PEST	DDE[4,4'-]	72-55-9	Bird	American kestrel (Avian top carnivore)	SOIL	1.80E-03	mg/kg
PEST	DDE[4,4'-]	72-55-9	Bird	American kestrel (water)	WATER	1.80E+01	µg/L
PEST	DDE[4,4'-]	72-55-9	Bird	American robin (Avian herbivore)	SOIL	6.10E-02	mg/kg
PEST	DDE[4,4'-]	72-55-9	Bird	American robin (Avian insectivore)	SOIL	2.20E-03	mg/kg
PEST	DDE[4,4'-]	72-55-9	Bird	American robin (Avian omnivore)	SOIL	4.30E-03	mg/kg
PEST	DDE[4,4'-]	72-55-9	Bird	American robin (water)	WATER	1.60E+01	µg/L
PEST	DDE[4,4'-]	72-55-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	3.00E-03	mg/kg
PEST	DDE[4,4'-]	72-55-9	Bird	Violet-green Swallow (water)	WATER	9.20E+00	µg/L
PEST	DDE[4,4'-]	72-55-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	DDE[4,4'-]	72-55-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.50E+01	mg/kg
PEST	DDE[4,4'-]	72-55-9	Mammal	Deer mouse (water)	WATER	5.20E+04	µg/L
PEST	DDE[4,4'-]	72-55-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.70E+03	mg/kg
PEST	DDE[4,4'-]	72-55-9	Mammal	Desert cottontail (water)	WATER	1.00E+05	µg/L
PEST	DDE[4,4'-]	72-55-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.20E+01	mg/kg
PEST	DDE[4,4'-]	72-55-9	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+04	µg/L
PEST	DDE[4,4'-]	72-55-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.80E+01	mg/kg
PEST	DDE[4,4'-]	72-55-9	Mammal	Red fox (water)	WATER	1.10E+05	µg/L
PEST	DDE[4,4'-]	72-55-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.70E+01	mg/kg
PEST	DDE[4,4'-]	72-55-9	Mammal	Vagrant shrew (water)	WATER	4.40E+04	µg/L
PEST	DDE[4,4'-]	72-55-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	DDT[4,4'-]	50-29-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.50E-03	mg/kg
PEST	DDT[4,4'-]	50-29-3	Aquatic	Aquatic community organisms - water	WATER	4.00E-02	µg/L
PEST	DDT[4,4'-]	50-29-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL	5.90E-03	mg/kg
PEST	DDT[4,4'-]	50-29-3	Bird	American kestrel (Avian top carnivore)	SOIL	4.20E-03	mg/kg
PEST	DDT[4,4'-]	50-29-3	Bird	American kestrel (water)	WATER	2.30E+01	µg/L
PEST	DDT[4,4'-]	50-29-3	Bird	American robin (Avian herbivore)	SOIL	7.50E-02	mg/kg
PEST	DDT[4,4'-]	50-29-3	Bird	American robin (Avian insectivore)	SOIL	2.80E-03	mg/kg
PEST	DDT[4,4'-]	50-29-3	Bird	American robin (Avian omnivore)	SOIL	5.50E-03	mg/kg
PEST	DDT[4,4'-]	50-29-3	Bird	American robin (water)	WATER	2.00E+01	µg/L
PEST	DDT[4,4'-]	50-29-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	3.80E-03	mg/kg
PEST	DDT[4,4'-]	50-29-3	Bird	Violet-green Swallow (water)	WATER	1.10E+01	µg/L
PEST	DDT[4,4'-]	50-29-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	DDT[4,4'-]	50-29-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.90E+00	mg/kg
PEST	DDT[4,4'-]	50-29-3	Mammal	Deer mouse (water)	WATER	4.20E+03	µg/L
PEST	DDT[4,4'-]	50-29-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.80E+02	mg/kg
PEST	DDT[4,4'-]	50-29-3	Mammal	Desert cottontail (water)	WATER	8.20E+03	µg/L
PEST	DDT[4,4'-]	50-29-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.80E+00	mg/kg
PEST	DDT[4,4'-]	50-29-3	Mammal	Occult little brown myotis bat (water)	WATER	5.00E+03	µg/L
PEST	DDT[4,4'-]	50-29-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.60E+00	mg/kg
PEST	DDT[4,4'-]	50-29-3	Mammal	Red fox (water)	WATER	9.30E+03	µg/L
PEST	DDT[4,4'-]	50-29-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.40E+00	mg/kg
PEST	DDT[4,4'-]	50-29-3	Mammal	Vagrant shrew (water)	WATER	3.50E+03	µg/L
PEST	DDT[4,4'-]	50-29-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	Dieldrin	60-57-1	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.20E-02	mg/kg
PEST	Dieldrin	60-57-1	Aquatic	Aquatic community organisms - water	WATER	5.60E-02	µg/L
PEST	Dieldrin	60-57-1	Bird	American kestrel (Avian intermediate carnivore)	SOIL	5.60E-01	mg/kg
PEST	Dieldrin	60-57-1	Bird	American kestrel (Avian top carnivore)	SOIL	1.90E+00	mg/kg
PEST	Dieldrin	60-57-1	Bird	American kestrel (water)	WATER	6.40E+02	µg/L
PEST	Dieldrin	60-57-1	Bird	American robin (Avian herbivore)	SOIL	1.60E+00	mg/kg
PEST	Dieldrin	60-57-1	Bird	American robin (Avian insectivore)	SOIL	8.90E-02	mg/kg
PEST	Dieldrin	60-57-1	Bird	American robin (Avian omnivore)	SOIL	1.60E-01	mg/kg
PEST	Dieldrin	60-57-1	Bird	American robin (water)	WATER	5.50E+02	µg/L
PEST	Dieldrin	60-57-1	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.20E-01	mg/kg
PEST	Dieldrin	60-57-1	Bird	Violet-green Swallow (water)	WATER	3.10E+02	µg/L
PEST	Dieldrin	60-57-1	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Dieldrin	60-57-1	Mammal	Deer mouse (Mammalian omnivore)	SOIL	8.20E-02	mg/kg
PEST	Dieldrin	60-57-1	Mammal	Deer mouse (water)	WATER	1.00E+02	µg/L
PEST	Dieldrin	60-57-1	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.90E+00	mg/kg
PEST	Dieldrin	60-57-1	Mammal	Desert cottontail (water)	WATER	2.00E+02	µg/L
PEST	Dieldrin	60-57-1	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.30E-02	mg/kg
PEST	Dieldrin	60-57-1	Mammal	Occult little brown myotis bat (water)	WATER	1.20E+02	µg/L
PEST	Dieldrin	60-57-1	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.10E+00	mg/kg
PEST	Dieldrin	60-57-1	Mammal	Red fox (water)	WATER	2.30E+02	µg/L
PEST	Dieldrin	60-57-1	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	4.10E-02	mg/kg
PEST	Dieldrin	60-57-1	Mammal	Vagrant shrew (water)	WATER	8.90E+01	µg/L
PEST	Dieldrin	60-57-1	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E-01	mg/kg
PEST	Endosulfan	115-29-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	6.00E-03	mg/kg
PEST	Endosulfan	115-29-7	Aquatic	Aquatic community organisms - water	WATER	5.60E-02	µg/L
PEST	Endosulfan	115-29-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL	9.60E+01	mg/kg
PEST	Endosulfan	115-29-7	Bird	American kestrel (Avian top carnivore)	SOIL	2.80E+03	mg/kg
PEST	Endosulfan	115-29-7	Bird	American kestrel (water)	WATER	8.30E+04	µg/L
PEST	Endosulfan	115-29-7	Bird	American robin (Avian herbivore)	SOIL	1.00E+02	mg/kg
PEST	Endosulfan	115-29-7	Bird	American robin (Avian insectivore)	SOIL	1.30E+01	mg/kg
PEST	Endosulfan	115-29-7	Bird	American robin (Avian omnivore)	SOIL	2.30E+01	mg/kg
PEST	Endosulfan	115-29-7	Bird	American robin (water)	WATER	7.10E+04	µg/L
PEST	Endosulfan	115-29-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.80E+01	mg/kg
PEST	Endosulfan	115-29-7	Bird	Violet-green Swallow (water)	WATER	4.10E+04	µg/L
PEST	Endosulfan	115-29-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Endosulfan	115-29-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.60E+00	mg/kg
PEST	Endosulfan	115-29-7	Mammal	Deer mouse (water)	WATER	7.80E+03	µg/L
PEST	Endosulfan	115-29-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.50E+01	mg/kg
PEST	Endosulfan	115-29-7	Mammal	Desert cottontail (water)	WATER	1.50E+04	µg/L
PEST	Endosulfan	115-29-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.60E+00	mg/kg
PEST	Endosulfan	115-29-7	Mammal	Occult little brown myotis bat (water)	WATER	9.40E+03	µg/L
PEST	Endosulfan	115-29-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.30E+02	mg/kg
PEST	Endosulfan	115-29-7	Mammal	Red fox (water)	WATER	1.70E+04	µg/L
PEST	Endosulfan	115-29-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.50E+00	mg/kg
PEST	Endosulfan	115-29-7	Mammal	Vagrant shrew (water)	WATER	6.70E+03	µg/L
PEST	Endosulfan	115-29-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	Endrin	72-20-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.00E-02	mg/kg
PEST	Endrin	72-20-8	Aquatic	Aquatic community organisms - water	WATER	3.60E-02	µg/L
PEST	Endrin	72-20-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL	8.10E-02	mg/kg
PEST	Endrin	72-20-8	Bird	American kestrel (Avian top carnivore)	SOIL	5.20E-01	mg/kg
PEST	Endrin	72-20-8	Bird	American kestrel (water)	WATER	8.30E+01	µg/L
PEST	Endrin	72-20-8	Bird	American robin (Avian herbivore)	SOIL	1.90E-01	mg/kg
PEST	Endrin	72-20-8	Bird	American robin (Avian insectivore)	SOIL	1.20E-02	mg/kg
PEST	Endrin	72-20-8	Bird	American robin (Avian omnivore)	SOIL	2.20E-02	mg/kg
PEST	Endrin	72-20-8	Bird	American robin (water)	WATER	7.10E+01	µg/L
PEST	Endrin	72-20-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.60E-02	mg/kg
PEST	Endrin	72-20-8	Bird	Violet-green Swallow (water)	WATER	4.10E+01	µg/L
PEST	Endrin	72-20-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Endrin	72-20-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.80E-01	mg/kg
PEST	Endrin	72-20-8	Mammal	Deer mouse (water)	WATER	4.80E+02	µg/L
PEST	Endrin	72-20-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.40E+01	mg/kg
PEST	Endrin	72-20-8	Mammal	Desert cottontail (water)	WATER	9.40E+02	µg/L
PEST	Endrin	72-20-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.50E-01	mg/kg
PEST	Endrin	72-20-8	Mammal	Occult little brown myotis bat (water)	WATER	5.70E+02	µg/L
PEST	Endrin	72-20-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.00E+01	mg/kg
PEST	Endrin	72-20-8	Mammal	Red fox (water)	WATER	1.00E+03	µg/L
PEST	Endrin	72-20-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.90E-01	mg/kg
PEST	Endrin	72-20-8	Mammal	Vagrant shrew (water)	WATER	4.10E+02	µg/L
PEST	Endrin	72-20-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	3.40E-03	mg/kg
PEST	Heptachlor	76-44-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.00E-02	mg/kg
PEST	Heptachlor	76-44-8	Aquatic	Aquatic community organisms - water	WATER	2.90E-02	µg/L
PEST	Heptachlor	76-44-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.00E+00	mg/kg
PEST	Heptachlor	76-44-8	Bird	American kestrel (Avian top carnivore)	SOIL	2.70E+00	mg/kg
PEST	Heptachlor	76-44-8	Bird	American kestrel (water)	WATER	7.60E+03	µg/L
PEST	Heptachlor	76-44-8	Bird	American robin (Avian herbivore)	SOIL	2.40E+01	mg/kg
PEST	Heptachlor	76-44-8	Bird	American robin (Avian insectivore)	SOIL	9.60E-01	mg/kg
PEST	Heptachlor	76-44-8	Bird	American robin (Avian omnivore)	SOIL	1.80E+00	mg/kg
PEST	Heptachlor	76-44-8	Bird	American robin (water)	WATER	6.50E+03	µg/L
PEST	Heptachlor	76-44-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.30E+00	mg/kg
PEST	Heptachlor	76-44-8	Bird	Violet-green Swallow (water)	WATER	3.80E+03	µg/L
PEST	Heptachlor	76-44-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Heptachlor	76-44-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.70E-01	mg/kg
PEST	Heptachlor	76-44-8	Mammal	Deer mouse (water)	WATER	5.20E+02	µg/L
PEST	Heptachlor	76-44-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.20E+01	mg/kg
PEST	Heptachlor	76-44-8	Mammal	Desert cottontail (water)	WATER	1.00E+03	µg/L
PEST	Heptachlor	76-44-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.40E-01	mg/kg
PEST	Heptachlor	76-44-8	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+02	µg/L
PEST	Heptachlor	76-44-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	6.40E-01	mg/kg
PEST	Heptachlor	76-44-8	Mammal	Red fox (water)	WATER	1.10E+03	µg/L
PEST	Heptachlor	76-44-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.80E-01	mg/kg
PEST	Heptachlor	76-44-8	Mammal	Vagrant shrew (water)	WATER	4.40E+02	µg/L

PEST	Heptachlor	76-44-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	4.00E-01	mg/kg
PEST	Kepone	143-50-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
PEST	Kepone	143-50-0	Aquatic	Aquatic community organisms - water	WATER		
PEST	Kepone	143-50-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL	6.30E+01	mg/kg
PEST	Kepone	143-50-0	Bird	American kestrel (Avian top carnivore)	SOIL	2.50E+02	mg/kg
PEST	Kepone	143-50-0	Bird	American kestrel (water)	WATER	7.00E+04	µg/L
PEST	Kepone	143-50-0	Bird	American robin (Avian herbivore)	SOIL	1.80E+02	mg/kg
PEST	Kepone	143-50-0	Bird	American robin (Avian insectivore)	SOIL	9.90E+00	mg/kg
PEST	Kepone	143-50-0	Bird	American robin (Avian omnivore)	SOIL	1.80E+01	mg/kg
PEST	Kepone	143-50-0	Bird	American robin (water)	WATER	6.00E+04	µg/L
PEST	Kepone	143-50-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.30E+01	mg/kg
PEST	Kepone	143-50-0	Bird	Violet-green Swallow (water)	WATER	3.50E+04	µg/L
PEST	Kepone	143-50-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Kepone	143-50-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.30E-01	mg/kg
PEST	Kepone	143-50-0	Mammal	Deer mouse (water)	WATER	4.20E+02	µg/L
PEST	Kepone	143-50-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.40E+01	mg/kg
PEST	Kepone	143-50-0	Mammal	Desert cottontail (water)	WATER	8.20E+02	µg/L
PEST	Kepone	143-50-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	2.10E-01	mg/kg
PEST	Kepone	143-50-0	Mammal	Occult little brown myotis bat (water)	WATER	5.00E+02	µg/L
PEST	Kepone	143-50-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.10E+00	mg/kg
PEST	Kepone	143-50-0	Mammal	Red fox (water)	WATER	9.30E+02	µg/L
PEST	Kepone	143-50-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E-01	mg/kg
PEST	Kepone	143-50-0	Mammal	Vagrant shrew (water)	WATER	3.50E+02	µg/L
PEST	Kepone	143-50-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	Methoxychlor[4,4'-]	72-43-5	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.00E-02	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Aquatic	Aquatic community organisms - water	WATER	3.00E-02	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.60E+02	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American kestrel (Avian top carnivore)	SOIL	1.00E+03	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American kestrel (water)	WATER	1.60E+05	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American robin (Avian herbivore)	SOIL	3.90E+02	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American robin (Avian insectivore)	SOIL	2.30E+01	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American robin (Avian omnivore)	SOIL	4.50E+01	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American robin (water)	WATER	1.40E+05	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	3.20E+01	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	Violet-green Swallow (water)	WATER	8.20E+04	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.60E+01	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Deer mouse (water)	WATER	2.10E+04	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	6.20E+02	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Desert cottontail (water)	WATER	4.10E+04	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	1.10E+01	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+04	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.20E+02	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Red fox (water)	WATER	4.60E+04	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	8.40E+00	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Vagrant shrew (water)	WATER	1.70E+04	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	Toxaphene (Technical Grade)	8001-35-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.10E-04	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Aquatic	Aquatic community organisms - water	WATER	2.00E-04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL	6.80E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American kestrel (Avian top carnivore)	SOIL	1.80E+02	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American kestrel (water)	WATER	8.30E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American robin (Avian herbivore)	SOIL	2.20E+02	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American robin (Avian insectivore)	SOIL	1.10E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American robin (Avian omnivore)	SOIL	2.10E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American robin (water)	WATER	7.10E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.50E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	Violet-green Swallow (water)	WATER	4.10E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.20E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Deer mouse (water)	WATER	4.20E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.70E+03	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Desert cottontail (water)	WATER	8.20E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	2.00E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Occult little brown myotis bat (water)	WATER	5.00E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.20E+02	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Red fox (water)	WATER	9.30E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Vagrant shrew (water)	WATER	3.50E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Benzoic Acid	65-85-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT	6.50E-02	mg/kg
SVOC	Benzoic Acid	65-85-0	Aquatic	Aquatic community organisms - water	WATER	4.10E+01	µg/L
SVOC	Benzoic Acid	65-85-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
SVOC	Benzoic Acid	65-85-0	Bird	American kestrel (Avian top carnivore)	SOIL		
SVOC	Benzoic Acid	65-85-0	Bird	American kestrel (water)	WATER		
SVOC	Benzoic Acid	65-85-0	Bird	American robin (Avian herbivore)	SOIL		
SVOC	Benzoic Acid	65-85-0	Bird	American robin (Avian insectivore)	SOIL		
SVOC	Benzoic Acid	65-85-0	Bird	American robin (Avian omnivore)	SOIL		
SVOC	Benzoic Acid	65-85-0	Bird	American robin (water)	WATER		
SVOC	Benzoic Acid	65-85-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
SVOC	Benzoic Acid	65-85-0	Bird	Violet-green Swallow (water)	WATER		
SVOC	Benzoic Acid	65-85-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
SVOC	Benzoic Acid	65-85-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	8.20E+00	mg/kg
SVOC	Benzoic Acid	65-85-0	Mammal	Deer mouse (water)	WATER	2.10E+04	µg/L
SVOC	Benzoic Acid	65-85-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.30E+01	mg/kg
SVOC	Benzoic Acid	65-85-0	Mammal	Desert cottontail (water)	WATER	4.10E+04	µg/L
SVOC	Benzoic Acid	65-85-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	1.50E+01	mg/kg
SVOC	Benzoic Acid	65-85-0	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+04	µg/L
SVOC	Benzoic Acid	65-85-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.90E+03	mg/kg
SVOC	Benzoic Acid	65-85-0	Mammal	Red fox (water)	WATER	4.60E+04	µg/L
SVOC	Benzoic Acid	65-85-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+01	mg/kg
SVOC	Benzoic Acid	65-85-0	Mammal	Vagrant shrew (water)	WATER	1.70E+04	µg/L
SVOC	Benzoic Acid	65-85-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Aquatic	Aquatic community organisms - water	WATER	3.20E+01	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL	4.50E-01	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American kestrel (Avian top carnivore)	SOIL	2.40E-01	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American kestrel (water)	WATER	9.10E+03	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American robin (Avian herbivore)	SOIL	3.00E+01	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American robin (Avian insectivore)	SOIL	1.00E+00	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American robin (Avian omnivore)	SOIL	1.90E+00	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American robin (water)	WATER	7.80E+03	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.30E+00	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	Violet-green Swallow (water)	WATER	4.50E+03	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.00E+01	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Deer mouse (water)	WATER	9.40E+04	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.30E+03	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Desert cottontail (water)	WATER	1.80E+05	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	3.80E+01	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Occult little brown myotis bat (water)	WATER	1.10E+05	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	8.70E+00	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Red fox (water)	WATER	2.00E+05	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.90E+01	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Vagrant shrew (water)	WATER	8.00E+04	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.10E+01	mg/kg
SVOC	Butyl Benzyl Phthalate	85-68-7	Aquatic	Aquatic community organisms - water	WATER	1.90E+01	µg/L
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American kestrel (Avian top carnivore)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American kestrel (water)	WATER		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American robin (Avian herbivore)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American robin (Avian insectivore)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American robin (Avian omnivore)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American robin (water)	WATER		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	Violet-green Swallow (water)	WATER		
SVOC	Butyl Benzyl Phthalate	85-68-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.80E+02	mg/kg
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Deer mouse (water)	WATER	8.30E+05	µg/L
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.90E+04	mg/kg
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Desert cottontail (water)	WATER	1.60E+06	µg/L
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	4.50E+02	mg/kg
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Occult little brown myotis bat (water)	WATER	1.00E+06	µg/L
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.70E+04	mg/kg
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Red fox (water)	WATER	1.80E+06	µg/L
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.40E+02	mg/kg
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Vagrant shrew (water)	WATER	7.10E+05	µg/L
SVOC	Butyl Benzyl Phthalate	85-68-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Carbazole	86-74-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
SVOC	Carbazole	86-74-8	Aquatic	Aquatic community organisms - water	WATER		
SVOC	Carbazole	86-74-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
SVOC	Carbazole	86-74-8	Bird	American kestrel (Avian top carnivore)	SOIL		
SVOC	Carbazole	86-74-8	Bird	American kestrel (water)	WATER		
SVOC	Carbazole	86-74-8	Bird	American robin (Avian herbivore)	SOIL		
SVOC	Carbazole	86-74-8	Bird	American robin (Avian insectivore)	SOIL		
SVOC	Carbazole	86-74-8	Bird	American robin (Avian omnivore)	SOIL		
SVOC	Carbazole	86-74-8	Bird	American robin (water)	WATER		
SVOC	Carbazole	86-74-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
SVOC	Carbazole	86-74-8	Bird	Violet-green Swallow (water)	WATER		
SVOC	Carbazole	86-74-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
SVOC	Carbazole	86-74-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL		
SVOC	Carbazole	86-74-8	Mammal	Deer mouse (water)	WATER		
SVOC	Carbazole	86-74-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL		
SVOC	Carbazole	86-74-8	Mammal	Desert cottontail (water)	WATER		
SVOC	Carbazole	86-74-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT		
SVOC	Carbazole	86-74-8	Mammal	Occult little brown myotis bat (water)	WATER		
SVOC	Carbazole	86-74-8	Mammal	Red fox (Mammalian top carnivore)	SOIL		
SVOC	Carbazole	86-74-8	Mammal	Red fox (water)	WATER		
SVOC	Carbazole	86-74-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL		
SVOC	Carbazole	86-74-8	Mammal	Vagrant shrew (water)	WATER		
SVOC	Carbazole	86-74-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Chlorobenzene	108-90-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	8.20E-01	mg/kg
SVOC	Chlorobenzene	108-90-7	Aquatic	Aquatic community organisms - water	WATER	1.20E+02	µg/L
SVOC	Chlorobenzene	108-90-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
SVOC	Chlorobenzene	108-90-7	Bird	American kestrel (Avian top carnivore)	SOIL		
SVOC	Chlorobenzene	108-90-7	Bird	American kestrel (water)	WATER		
SVOC	Chlorobenzene	108-90-7	Bird	American robin (Avian herbivore)	SOIL		
SVOC	Chlorobenzene	108-90-7	Bird	American robin (Avian insectivore)	SOIL		
SVOC	Chlorobenzene	108-90-7	Bird	American robin (Avian omnivore)	SOIL		
SVOC	Chlorobenzene	108-90-7	Bird	American robin (water)	WATER		
SVOC	Chlorobenzene	108-90-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
SVOC	Chlorobenzene	108-90-7	Bird	Violet-green Swallow (water)	WATER		
SVOC	Chlorobenzene	108-90-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	2.40E+01	mg/kg
SVOC	Chlorobenzene	108-90-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.20E+02	mg/kg
SVOC	Chlorobenzene	108-90-7	Mammal	Deer mouse (water)	WATER	3.10E+05	µg/L
SVOC	Chlorobenzene	108-90-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.20E+02	mg/kg
SVOC	Chlorobenzene	108-90-7	Mammal	Desert cottontail (water)	WATER	6.10E+05	µg/L
SVOC	Chlorobenzene	108-90-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	2.10E+02	mg/kg
SVOC	Chlorobenzene	108-90-7	Mammal	Occult little brown myotis bat (water)	WATER	3.70E+05	µg/L
SVOC	Chlorobenzene	108-90-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.30E+04	mg/kg
SVOC	Chlorobenzene	108-90-7	Mammal	Red fox (water)	WATER	6.90E+05	µg/L
SVOC	Chlorobenzene	108-90-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E+02	mg/kg
SVOC	Chlorobenzene	108-90-7	Mammal	Vagrant shrew (water)	WATER	2.60E+05	µg/L
SVOC	Chlorobenzene	108-90-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Chlorophenol[2-]	95-57-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.70E-02	mg/kg
SVOC	Chlorophenol[2-]	95-57-8	Aquatic	Aquatic community organisms - water	WATER	4.30E+01	µg/L
SVOC	Chlorophenol[2-]	95-57-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.30E+02	mg/kg
SVOC	Chlorophenol[2-]	95-57-8	Bird	American kestrel (Avian top carnivore)	SOIL	5.60E+03	mg/kg
SVOC	Chlorophenol[2-]	95-57-8	Bird	American kestrel (water)	WATER	9.40E+04	µg/L
SVOC	Chlorophenol[2-]	95-57-8	Bird	American robin (Avian herbivore)	SOIL	1.30E+01	mg/kg
SVOC	Chlorophenol[2-]	95-57-8	Bird	American robin (Avian insectivore)	SOIL	1.80E+01	mg/kg
SVOC	Chlorophenol[2-]	95-57-8	Bird	American robin (Avian omnivore)	SOIL	1.50E+01	mg/kg
SVOC	Chlorophenol[2-]	95-57-8	Bird	American robin (water)	WATER	8.00E+04	µg/L
SVOC	Chlorophenol[2-]	95-57-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.50E+01	mg/kg
SVOC	Chlorophenol[2-]	95-57-8	Bird	Violet-green Swallow (water)	WATER	4.60E+04	µg/L
SVOC	Chlorophenol[2-]	95-57-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
SVOC	Chlorophenol[2-]	95-57-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.20E+00	mg/kg
SVOC	Chlorophenol[2-]	95-57-8	Mammal	Deer mouse (water)	WATER	2.60E+03	µg/L
SVOC	Chlorophenol[2-]	95-57-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.40E+00	mg/kg
SVOC	Chlorophenol[2-]	95-57-8	Mammal	Desert cottontail (water)	WATER	5.10E+03	µg/L
SVOC	Chlorophenol[2-]	95-57-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	1.90E+00	mg/kg
SVOC	Chlorophenol[2-]	95-57-8	Mammal	Occult little brown myotis bat (water)	WATER	3.10E+03	µg/L
SVOC	Chlorophenol[2-]	95-57-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.60E+02	mg/kg
SVOC	Chlorophenol[2-]	95-57-8	Mammal	Red fox (water)	WATER	5.80E+03	µg/L
SVOC	Chlorophenol[2-]	95-57-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.40E+00	mg/kg
SVOC	Chlorophenol[2-]	95-57-8	Mammal	Vagrant shrew (water)	WATER	2.20E+03	µg/L
SVOC	Chlorophenol[2-]	95-57-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Dibenzofuran	132-64-9	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.30E+00	mg/kg
SVOC	Dibenzofuran	132-64-9	Aquatic	Aquatic community organisms - water	WATER	2.00E+01	µg/L
SVOC	Dibenzofuran	132-64-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
SVOC	Dibenzofuran	132-64-9	Bird	American kestrel (Avian top carnivore)	SOIL		
SVOC	Dibenzofuran	132-64-9	Bird	American kestrel (water)	WATER		
SVOC	Dibenzofuran	132-64-9	Bird	American robin (Avian herbivore)	SOIL		
SVOC	Dibenzofuran	132-64-9	Bird	American robin (Avian insectivore)	SOIL		
SVOC	Dibenzofuran	132-64-9	Bird	American robin (Avian omnivore)	SOIL		
SVOC	Dibenzofuran	132-64-9	Bird	American robin (water)	WATER		
SVOC	Dibenzofuran	132-64-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
SVOC	Dibenzofuran	132-64-9	Bird	Violet-green Swallow (water)	WATER		
SVOC	Dibenzofuran	132-64-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
SVOC	Dibenzofuran	132-64-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL		
SVOC	Dibenzofuran	132-64-9	Mammal	Deer mouse (water)	WATER		
SVOC	Dibenzofuran	132-64-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL		
SVOC	Dibenzofuran	132-64-9	Mammal	Desert cottontail (water)	WATER		
SVOC	Dibenzofuran	132-64-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT		
SVOC	Dibenzofuran	132-64-9	Mammal	Occult little brown myotis bat (water)	WATER		
SVOC	Dibenzofuran	132-64-9	Mammal	Red fox (Mammalian top carnivore)	SOIL		
SVOC	Dibenzofuran	132-64-9	Mammal	Red fox (water)	WATER		
SVOC	Dibenzofuran	132-64-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL		
SVOC	Dibenzofuran	132-64-9	Mammal	Vagrant shrew (water)	WATER		
SVOC	Dibenzofuran	132-64-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	6.10E+01	mg/kg
SVOC	Dimethyl Phthalate	131-11-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
SVOC	Dimethyl Phthalate	131-11-3	Aquatic	Aquatic community organisms - water	WATER	2.10E+02	µg/L
SVOC	Dimethyl Phthalate	131-11-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
SVOC	Dimethyl Phthalate	131-11-3	Bird	American kestrel (Avian top carnivore)	SOIL		
SVOC	Dimethyl Phthalate	131-11-3	Bird	American kestrel (water)	WATER		
SVOC	Dimethyl Phthalate	131-11-3	Bird	American robin (Avian herbivore)	SOIL		
SVOC	Dimethyl Phthalate	131-11-3	Bird	American robin (Avian insectivore)	SOIL		
SVOC	Dimethyl Phthalate	131-11-3	Bird	American robin (Avian omnivore)	SOIL		
SVOC	Dimethyl Phthalate	131-11-3	Bird	American robin (water)	WATER		
SVOC	Dimethyl Phthalate	131-11-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
SVOC	Dimethyl Phthalate	131-11-3	Bird	Violet-green Swallow (water)	WATER		
SVOC	Dimethyl Phthalate	131-11-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	4.70E+03	mg/kg
SVOC	Dimethyl Phthalate	131-11-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.30E+02	mg/kg
SVOC	Dimethyl Phthalate	131-11-3	Mammal	Deer mouse (water)	WATER	4.30E+05	µg/L
SVOC	Dimethyl Phthalate	131-11-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.80E+02	mg/kg
SVOC	Dimethyl Phthalate	131-11-3	Mammal	Desert cottontail (water)	WATER	8.50E+05	µg/L
SVOC	Dimethyl Phthalate	131-11-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	3.40E+02	mg/kg
SVOC	Dimethyl Phthalate	131-11-3	Mammal	Occult little brown myotis bat (water)	WATER	5.20E+05	µg/L
SVOC	Dimethyl Phthalate	131-11-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	6.10E+04	mg/kg
SVOC	Dimethyl Phthalate	131-11-3	Mammal	Red fox (water)	WATER	9.60E+05	µg/L
SVOC	Dimethyl Phthalate	131-11-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.50E+02	mg/kg
SVOC	Dimethyl Phthalate	131-11-3	Mammal	Vagrant shrew (water)	WATER	3.70E+05	µg/L
SVOC	Dimethyl Phthalate	131-11-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Di-n-Butyl Phthalate	84-74-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.10E+01	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	Aquatic	Aquatic community organisms - water	WATER	3.20E+01	µg/L
SVOC	Di-n-Butyl Phthalate	84-74-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.20E+00	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	Bird	American kestrel (Avian top carnivore)	SOIL	1.80E+01	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	Bird	American kestrel (water)	WATER	1.10E+03	µg/L
SVOC	Di-n-Butyl Phthalate	84-74-2	Bird	American robin (Avian herbivore)	SOIL	2.10E+00	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	Bird	American robin (Avian insectivore)	SOIL	1.70E-01	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	Bird	American robin (Avian omnivore)	SOIL	3.20E-01	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	Bird	American robin (water)	WATER	1.00E+03	µg/L
SVOC	Di-n-Butyl Phthalate	84-74-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.40E-01	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	Bird	Violet-green Swallow (water)	WATER	5.70E+02	µg/L
SVOC	Di-n-Butyl Phthalate	84-74-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
SVOC	Di-n-Butyl Phthalate	84-74-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.60E+03	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	Mammal	Deer mouse (water)	WATER	3.10E+06	µg/L
SVOC	Di-n-Butyl Phthalate	84-74-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	5.90E+04	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	Mammal	Desert cottontail (water)	WATER	6.10E+06	µg/L
SVOC	Di-n-Butyl Phthalate	84-74-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	1.70E+03	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	Mammal	Occult little brown myotis bat (water)	WATER	3.70E+06	µg/L
SVOC	Di-n-Butyl Phthalate	84-74-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.50E+05	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	Mammal	Red fox (water)	WATER	6.90E+06	µg/L
SVOC	Di-n-Butyl Phthalate	84-74-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.30E+03	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	Mammal	Vagrant shrew (water)	WATER	2.60E+06	µg/L
SVOC	Di-n-Butyl Phthalate	84-74-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.00E+02	mg/kg
SVOC	Di-n-octylphthalate	117-84-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
SVOC	Di-n-octylphthalate	117-84-0	Aquatic	Aquatic community organisms - water	WATER	3.20E+02	µg/L
SVOC	Di-n-octylphthalate	117-84-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
SVOC	Di-n-octylphthalate	117-84-0	Bird	American kestrel (Avian top carnivore)	SOIL		
SVOC	Di-n-octylphthalate	117-84-0	Bird	American kestrel (water)	WATER		
SVOC	Di-n-octylphthalate	117-84-0	Bird	American robin (Avian herbivore)	SOIL		
SVOC	Di-n-octylphthalate	117-84-0	Bird	American robin (Avian insectivore)	SOIL		
SVOC	Di-n-octylphthalate	117-84-0	Bird	American robin (Avian omnivore)	SOIL		
SVOC	Di-n-octylphthalate	117-84-0	Bird	American robin (water)	WATER		
SVOC	Di-n-octylphthalate	117-84-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
SVOC	Di-n-octylphthalate	117-84-0	Bird	Violet-green Swallow (water)	WATER		
SVOC	Di-n-octylphthalate	117-84-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
SVOC	Di-n-octylphthalate	117-84-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.30E+02	mg/kg
SVOC	Di-n-octylphthalate	117-84-0	Mammal	Deer mouse (water)	WATER	4.10E+05	µg/L
SVOC	Di-n-octylphthalate	117-84-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.30E+04	mg/kg
SVOC	Di-n-octylphthalate	117-84-0	Mammal	Desert cottontail (water)	WATER	8.10E+05	µg/L
SVOC	Di-n-octylphthalate	117-84-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	2.10E+02	mg/kg
SVOC	Di-n-octylphthalate	117-84-0	Mammal	Occult little brown myotis bat (water)	WATER	4.90E+05	µg/L
SVOC	Di-n-octylphthalate	117-84-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	6.10E+03	mg/kg
SVOC	Di-n-octylphthalate	117-84-0	Mammal	Red fox (water)	WATER	9.20E+05	µg/L
SVOC	Di-n-octylphthalate	117-84-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E+02	mg/kg
SVOC	Di-n-octylphthalate	117-84-0	Mammal	Vagrant shrew (water)	WATER	3.50E+05	µg/L
SVOC	Di-n-octylphthalate	117-84-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Nitrobenzene	98-95-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
SVOC	Nitrobenzene	98-95-3	Aquatic	Aquatic community organisms - water	WATER	2.70E+02	µg/L
SVOC	Nitrobenzene	98-95-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
SVOC	Nitrobenzene	98-95-3	Bird	American kestrel (Avian top carnivore)	SOIL		
SVOC	Nitrobenzene	98-95-3	Bird	American kestrel (water)	WATER		
SVOC	Nitrobenzene	98-95-3	Bird	American robin (Avian herbivore)	SOIL		
SVOC	Nitrobenzene	98-95-3	Bird	American robin (Avian insectivore)	SOIL		
SVOC	Nitrobenzene	98-95-3	Bird	American robin (Avian omnivore)	SOIL		
SVOC	Nitrobenzene	98-95-3	Bird	American robin (water)	WATER		
SVOC	Nitrobenzene	98-95-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
SVOC	Nitrobenzene	98-95-3	Bird	Violet-green Swallow (water)	WATER		
SVOC	Nitrobenzene	98-95-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	2.20E+01	mg/kg
SVOC	Nitrobenzene	98-95-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.40E+01	mg/kg
SVOC	Nitrobenzene	98-95-3	Mammal	Deer mouse (water)	WATER	3.60E+04	µg/L
SVOC	Nitrobenzene	98-95-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.20E+01	mg/kg
SVOC	Nitrobenzene	98-95-3	Mammal	Desert cottontail (water)	WATER	7.20E+04	µg/L
SVOC	Nitrobenzene	98-95-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	2.70E+01	mg/kg
SVOC	Nitrobenzene	98-95-3	Mammal	Occult little brown myotis bat (water)	WATER	4.40E+04	µg/L
SVOC	Nitrobenzene	98-95-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.10E+03	mg/kg
SVOC	Nitrobenzene	98-95-3	Mammal	Red fox (water)	WATER	8.10E+04	µg/L
SVOC	Nitrobenzene	98-95-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.10E+01	mg/kg
SVOC	Nitrobenzene	98-95-3	Mammal	Vagrant shrew (water)	WATER	3.10E+04	µg/L
SVOC	Nitrobenzene	98-95-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Pentachloronitrobenzene	82-68-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.60E+00	mg/kg
SVOC	Pentachloronitrobenzene	82-68-8	Aquatic	Aquatic community organisms - water	WATER	1.00E+01	µg/L
SVOC	Pentachloronitrobenzene	82-68-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL	6.30E+01	mg/kg
SVOC	Pentachloronitrobenzene	82-68-8	Bird	American kestrel (Avian top carnivore)	SOIL	8.90E+02	mg/kg
SVOC	Pentachloronitrobenzene	82-68-8	Bird	American kestrel (water)	WATER	5.90E+04	µg/L
SVOC	Pentachloronitrobenzene	82-68-8	Bird	American robin (Avian herbivore)	SOIL	1.10E+02	mg/kg
SVOC	Pentachloronitrobenzene	82-68-8	Bird	American robin (Avian insectivore)	SOIL	8.90E+00	mg/kg
SVOC	Pentachloronitrobenzene	82-68-8	Bird	American robin (Avian omnivore)	SOIL	1.60E+01	mg/kg
SVOC	Pentachloronitrobenzene	82-68-8	Bird	American robin (water)	WATER	5.00E+04	µg/L
SVOC	Pentachloronitrobenzene	82-68-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.20E+01	mg/kg
SVOC	Pentachloronitrobenzene	82-68-8	Bird	Violet-green Swallow (water)	WATER	2.90E+04	µg/L
SVOC	Pentachloronitrobenzene	82-68-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
SVOC	Pentachloronitrobenzene	82-68-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.80E+02	mg/kg
SVOC	Pentachloronitrobenzene	82-68-8	Mammal	Deer mouse (water)	WATER	3.40E+05	µg/L
SVOC	Pentachloronitrobenzene	82-68-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	6.60E+03	mg/kg
SVOC	Pentachloronitrobenzene	82-68-8	Mammal	Desert cottontail (water)	WATER	6.70E+05	µg/L
SVOC	Pentachloronitrobenzene	82-68-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore	SEDIMENT	1.80E+02	mg/kg
SVOC	Pentachloronitrobenzene	82-68-8	Mammal	Occult little brown myotis bat (water)	WATER	4.00E+05	µg/L
SVOC	Pentachloronitrobenzene	82-68-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.60E+04	mg/kg
SVOC	Pentachloronitrobenzene	82-68-8	Mammal	Red fox (water)	WATER	7.50E+05	µg/L
SVOC	Pentachloronitrobenzene	82-68-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.40E+02	mg/kg
SVOC	Pentachloronitrobenzene	82-68-8	Mammal	Vagrant shrew (water)	WATER	2.90E+05	µg/L
SVOC	Pentachloronitrobenzene	82-68-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Pentachlorophenol	87-86-5	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.40E+00	mg/kg
SVOC	Pentachlorophenol	87-86-5	Aquatic	Aquatic community organisms - water	WATER	2.40E+00	µg/L
SVOC	Pentachlorophenol	87-86-5	Bird	American kestrel (Avian intermediate carnivore)	SOIL	2.60E+01	mg/kg
SVOC	Pentachlorophenol	87-86-5	Bird	American kestrel (Avian top carnivore)	SOIL	1.60E+02	mg/kg
SVOC	Pentachlorophenol	87-86-5	Bird	American kestrel (water)	WATER	2.70E+04	µg/L
SVOC	Pentachlorophenol	87-86-5	Bird	American robin (Avian herbivore)	SOIL	6.50E+01	mg/kg
SVOC	Pentachlorophenol	87-86-5	Bird	American robin (Avian insectivore)	SOIL	3.90E+00	mg/kg
SVOC	Pentachlorophenol	87-86-5	Bird	American robin (Avian omnivore)	SOIL	7.40E+00	mg/kg

SVOC	Pentachlorophenol	87-86-5	Bird	American robin (water)	WATER	2.30E+04	µg/L
SVOC	Pentachlorophenol	87-86-5	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	5.30E+00	mg/kg
SVOC	Pentachlorophenol	87-86-5	Bird	Violet-green Swallow (water)	WATER	1.30E+04	µg/L
SVOC	Pentachlorophenol	87-86-5	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.00E+01	mg/kg
SVOC	Pentachlorophenol	87-86-5	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.00E+00	mg/kg
SVOC	Pentachlorophenol	87-86-5	Mammal	Deer mouse (water)	WATER	1.20E+03	µg/L
SVOC	Pentachlorophenol	87-86-5	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.70E+01	mg/kg
SVOC	Pentachlorophenol	87-86-5	Mammal	Desert cottontail (water)	WATER	2.40E+03	µg/L
SVOC	Pentachlorophenol	87-86-5	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	6.60E-01	mg/kg
SVOC	Pentachlorophenol	87-86-5	Mammal	Occult little brown myotis bat (water)	WATER	1.50E+03	µg/L
SVOC	Pentachlorophenol	87-86-5	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.40E+01	mg/kg
SVOC	Pentachlorophenol	87-86-5	Mammal	Red fox (water)	WATER	2.70E+03	µg/L
SVOC	Pentachlorophenol	87-86-5	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.00E-01	mg/kg
SVOC	Pentachlorophenol	87-86-5	Mammal	Vagrant shrew (water)	WATER	1.00E+03	µg/L
SVOC	Pentachlorophenol	87-86-5	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	3.20E-01	mg/kg
SVOC	Phenol	108-95-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
SVOC	Phenol	108-95-2	Aquatic	Aquatic community organisms - water	WATER	1.10E+02	µg/L
SVOC	Phenol	108-95-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
SVOC	Phenol	108-95-2	Bird	American kestrel (Avian top carnivore)	SOIL		
SVOC	Phenol	108-95-2	Bird	American kestrel (water)	WATER		
SVOC	Phenol	108-95-2	Bird	American robin (Avian herbivore)	SOIL		
SVOC	Phenol	108-95-2	Bird	American robin (Avian insectivore)	SOIL		
SVOC	Phenol	108-95-2	Bird	American robin (Avian omnivore)	SOIL		
SVOC	Phenol	108-95-2	Bird	American robin (water)	WATER		
SVOC	Phenol	108-95-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
SVOC	Phenol	108-95-2	Bird	Violet-green Swallow (water)	WATER		
SVOC	Phenol	108-95-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	3.90E+03	mg/kg
SVOC	Phenol	108-95-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	8.60E+01	mg/kg
SVOC	Phenol	108-95-2	Mammal	Deer mouse (water)	WATER	3.10E+05	µg/L
SVOC	Phenol	108-95-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.10E+02	mg/kg
SVOC	Phenol	108-95-2	Mammal	Desert cottontail (water)	WATER	6.10E+05	µg/L
SVOC	Phenol	108-95-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.50E+02	mg/kg
SVOC	Phenol	108-95-2	Mammal	Occult little brown myotis bat (water)	WATER	3.70E+05	µg/L
SVOC	Phenol	108-95-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.40E+04	mg/kg
SVOC	Phenol	108-95-2	Mammal	Red fox (water)	WATER	6.90E+05	µg/L
SVOC	Phenol	108-95-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.80E+02	mg/kg
SVOC	Phenol	108-95-2	Mammal	Vagrant shrew (water)	WATER	2.60E+05	µg/L
SVOC	Phenol	108-95-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	7.90E+00	mg/kg
VOC	Acetone	67-64-1	Aquatic	Aquatic community organisms - sediment	SEDIMENT	6.50E-02	mg/kg
VOC	Acetone	67-64-1	Aquatic	Aquatic community organisms - water	WATER	1.10E+04	µg/L
VOC	Acetone	67-64-1	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.10E+05	mg/kg
VOC	Acetone	67-64-1	Bird	American kestrel (Avian top carnivore)	SOIL	1.00E+07	mg/kg
VOC	Acetone	67-64-1	Bird	American kestrel (water)	WATER	1.60E+08	µg/L
VOC	Acetone	67-64-1	Bird	American robin (Avian herbivore)	SOIL	1.00E+03	mg/kg
VOC	Acetone	67-64-1	Bird	American robin (Avian insectivore)	SOIL	4.20E+04	mg/kg
VOC	Acetone	67-64-1	Bird	American robin (Avian omnivore)	SOIL	2.00E+03	mg/kg
VOC	Acetone	67-64-1	Bird	American robin (water)	WATER	1.40E+08	µg/L
VOC	Acetone	67-64-1	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	5.90E+04	mg/kg
VOC	Acetone	67-64-1	Bird	Violet-green Swallow (water)	WATER	8.20E+07	µg/L
VOC	Acetone	67-64-1	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Acetone	67-64-1	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.80E+00	mg/kg
VOC	Acetone	67-64-1	Mammal	Deer mouse (water)	WATER	5.20E+04	µg/L
VOC	Acetone	67-64-1	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.00E+00	mg/kg
VOC	Acetone	67-64-1	Mammal	Desert cottontail (water)	WATER	1.00E+05	µg/L
VOC	Acetone	67-64-1	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.00E+01	mg/kg
VOC	Acetone	67-64-1	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+04	µg/L
VOC	Acetone	67-64-1	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.40E+03	mg/kg
VOC	Acetone	67-64-1	Mammal	Red fox (water)	WATER	1.10E+05	µg/L
VOC	Acetone	67-64-1	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.70E+01	mg/kg
VOC	Acetone	67-64-1	Mammal	Vagrant shrew (water)	WATER	4.40E+04	µg/L
VOC	Acetone	67-64-1	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Benzene	71-43-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.70E-02	mg/kg
VOC	Benzene	71-43-2	Aquatic	Aquatic community organisms - water	WATER	4.50E+01	µg/L
VOC	Benzene	71-43-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Benzene	71-43-2	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Benzene	71-43-2	Bird	American kestrel (water)	WATER		
VOC	Benzene	71-43-2	Bird	American robin (Avian herbivore)	SOIL		
VOC	Benzene	71-43-2	Bird	American robin (Avian insectivore)	SOIL		
VOC	Benzene	71-43-2	Bird	American robin (Avian omnivore)	SOIL		
VOC	Benzene	71-43-2	Bird	American robin (water)	WATER		
VOC	Benzene	71-43-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Benzene	71-43-2	Bird	Violet-green Swallow (water)	WATER		
VOC	Benzene	71-43-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Benzene	71-43-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.50E+01	mg/kg
VOC	Benzene	71-43-2	Mammal	Deer mouse (water)	WATER	1.30E+05	µg/L
VOC	Benzene	71-43-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.20E+02	mg/kg
VOC	Benzene	71-43-2	Mammal	Desert cottontail (water)	WATER	2.60E+05	µg/L
VOC	Benzene	71-43-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.00E+02	mg/kg
VOC	Benzene	71-43-2	Mammal	Occult little brown myotis bat (water)	WATER	1.60E+05	µg/L
VOC	Benzene	71-43-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.90E+04	mg/kg
VOC	Benzene	71-43-2	Mammal	Red fox (water)	WATER	3.00E+05	µg/L
VOC	Benzene	71-43-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.60E+01	mg/kg
VOC	Benzene	71-43-2	Mammal	Vagrant shrew (water)	WATER	1.10E+05	µg/L
VOC	Benzene	71-43-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Butanone[2-]	78-93-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
VOC	Butanone[2-]	78-93-3	Aquatic	Aquatic community organisms - water	WATER	2.00E+04	µg/L
VOC	Butanone[2-]	78-93-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Butanone[2-]	78-93-3	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Butanone[2-]	78-93-3	Bird	American kestrel (water)	WATER		
VOC	Butanone[2-]	78-93-3	Bird	American robin (Avian herbivore)	SOIL		
VOC	Butanone[2-]	78-93-3	Bird	American robin (Avian insectivore)	SOIL		
VOC	Butanone[2-]	78-93-3	Bird	American robin (Avian omnivore)	SOIL		
VOC	Butanone[2-]	78-93-3	Bird	American robin (water)	WATER		
VOC	Butanone[2-]	78-93-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Butanone[2-]	78-93-3	Bird	Violet-green Swallow (water)	WATER		
VOC	Butanone[2-]	78-93-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Butanone[2-]	78-93-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	9.60E+02	mg/kg
VOC	Butanone[2-]	78-93-3	Mammal	Deer mouse (water)	WATER	9.40E+06	µg/L
VOC	Butanone[2-]	78-93-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.10E+03	mg/kg
VOC	Butanone[2-]	78-93-3	Mammal	Desert cottontail (water)	WATER	1.80E+07	µg/L
VOC	Butanone[2-]	78-93-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	8.20E+03	mg/kg
VOC	Butanone[2-]	78-93-3	Mammal	Occult little brown myotis bat (water)	WATER	1.10E+07	µg/L
VOC	Butanone[2-]	78-93-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.30E+06	mg/kg
VOC	Butanone[2-]	78-93-3	Mammal	Red fox (water)	WATER	2.00E+07	µg/L
VOC	Butanone[2-]	78-93-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	6.20E+03	mg/kg
VOC	Butanone[2-]	78-93-3	Mammal	Vagrant shrew (water)	WATER	8.00E+06	µg/L
VOC	Butanone[2-]	78-93-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Chloroform	67-66-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
VOC	Chloroform	67-66-3	Aquatic	Aquatic community organisms - water	WATER	1.80E+02	µg/L
VOC	Chloroform	67-66-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Chloroform	67-66-3	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Chloroform	67-66-3	Bird	American kestrel (water)	WATER		
VOC	Chloroform	67-66-3	Bird	American robin (Avian herbivore)	SOIL		
VOC	Chloroform	67-66-3	Bird	American robin (Avian insectivore)	SOIL		
VOC	Chloroform	67-66-3	Bird	American robin (Avian omnivore)	SOIL		
VOC	Chloroform	67-66-3	Bird	American robin (water)	WATER		
VOC	Chloroform	67-66-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Chloroform	67-66-3	Bird	Violet-green Swallow (water)	WATER		
VOC	Chloroform	67-66-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Chloroform	67-66-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.20E+01	mg/kg
VOC	Chloroform	67-66-3	Mammal	Deer mouse (water)	WATER	7.80E+04	µg/L
VOC	Chloroform	67-66-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	5.30E+01	mg/kg
VOC	Chloroform	67-66-3	Mammal	Desert cottontail (water)	WATER	1.50E+05	µg/L
VOC	Chloroform	67-66-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.90E+01	mg/kg
VOC	Chloroform	67-66-3	Mammal	Occult little brown myotis bat (water)	WATER	9.40E+04	µg/L
VOC	Chloroform	67-66-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.10E+04	mg/kg
VOC	Chloroform	67-66-3	Mammal	Red fox (water)	WATER	1.70E+05	µg/L
VOC	Chloroform	67-66-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	4.40E+01	mg/kg
VOC	Chloroform	67-66-3	Mammal	Vagrant shrew (water)	WATER	6.70E+04	µg/L
VOC	Chloroform	67-66-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Dichlorobenzene[1,4-]	106-46-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.20E-01	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Aquatic	Aquatic community organisms - water	WATER	1.40E+01	µg/L
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American kestrel (water)	WATER		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American robin (Avian herbivore)	SOIL		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American robin (Avian insectivore)	SOIL		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American robin (Avian omnivore)	SOIL		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American robin (water)	WATER		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	Violet-green Swallow (water)	WATER		
VOC	Dichlorobenzene[1,4-]	106-46-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.20E+01	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.00E+03	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Deer mouse (water)	WATER	1.30E+06	µg/L
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	6.20E+03	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Desert cottontail (water)	WATER	2.50E+06	µg/L
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	8.30E+02	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Occult little brown myotis bat (water)	WATER	1.50E+06	µg/L
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.60E+05	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Red fox (water)	WATER	2.90E+06	µg/L
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	6.30E+02	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Vagrant shrew (water)	WATER	1.10E+06	µg/L
VOC	Dichlorobenzene[1,4-]	106-46-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.70E-02	mg/kg
VOC	Dichloroethane[1,1-]	75-34-3	Aquatic	Aquatic community organisms - water	WATER	4.60E+01	µg/L
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American kestrel (water)	WATER		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American robin (Avian herbivore)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American robin (Avian insectivore)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American robin (Avian omnivore)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American robin (water)	WATER		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	Violet-green Swallow (water)	WATER		
VOC	Dichloroethane[1,1-]	75-34-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	7.30E+02	mg/kg
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Deer mouse (water)	WATER	2.00E+06	µg/L
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.10E+03	mg/kg
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Desert cottontail (water)	WATER	3.90E+06	µg/L
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.50E+03	mg/kg
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Occult little brown myotis bat (water)	WATER	2.40E+06	µg/L
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.80E+05	mg/kg
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Red fox (water)	WATER	4.40E+06	µg/L
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.10E+03	mg/kg
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Vagrant shrew (water)	WATER	1.70E+06	µg/L
VOC	Dichloroethane[1,1-]	75-34-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Dichloroethane[1,2-]	107-06-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
VOC	Dichloroethane[1,2-]	107-06-2	Aquatic	Aquatic community organisms - water	WATER	1.10E+03	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL	4.50E+03	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American kestrel (Avian top carnivore)	SOIL	4.60E+03	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American kestrel (water)	WATER	7.70E+04	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American robin (Avian herbivore)	SOIL	4.80E+00	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American robin (Avian insectivore)	SOIL	2.60E+02	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American robin (Avian omnivore)	SOIL	9.40E+00	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American robin (water)	WATER	6.60E+04	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.20E+04	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Bird	Violet-green Swallow (water)	WATER	3.80E+04	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	9.10E+01	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Deer mouse (water)	WATER	2.60E+05	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	9.80E+01	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Desert cottontail (water)	WATER	5.10E+05	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.00E+05	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Occult little brown myotis bat (water)	WATER	3.10E+05	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.60E+04	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Red fox (water)	WATER	5.70E+05	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.40E+03	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Vagrant shrew (water)	WATER	2.20E+05	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.40E-01	mg/kg
VOC	Dichloroethene[1,1-]	75-35-4	Aquatic	Aquatic community organisms - water	WATER		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American kestrel (water)	WATER		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American robin (Avian herbivore)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American robin (Avian insectivore)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American robin (Avian omnivore)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American robin (water)	WATER		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	Violet-green Swallow (water)	WATER		
VOC	Dichloroethene[1,1-]	75-35-4	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Deer mouse (Mammalian omnivore)	SOIL	7.60E+01	mg/kg
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Deer mouse (water)	WATER	1.50E+05	µg/L
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.40E+02	mg/kg
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Desert cottontail (water)	WATER	3.00E+05	µg/L
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.10E+02	mg/kg
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Occult little brown myotis bat (water)	WATER	1.80E+05	µg/L
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.20E+04	mg/kg
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Red fox (water)	WATER	3.40E+05	µg/L
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	8.70E+01	mg/kg
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Vagrant shrew (water)	WATER	1.30E+05	µg/L
VOC	Dichloroethene[1,1-]	75-35-4	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.40E-02	mg/kg
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Aquatic	Aquatic community organisms - water	WATER	3.10E+01	µg/L
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American kestrel (water)	WATER		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American robin (Avian herbivore)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American robin (Avian insectivore)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American robin (Avian omnivore)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American robin (water)	WATER		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	Violet-green Swallow (water)	WATER		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	9.20E+02	mg/kg
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Deer mouse (water)	WATER	2.30E+06	µg/L
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.40E+03	mg/kg
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Desert cottontail (water)	WATER	4.60E+06	µg/L
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.80E+03	mg/kg
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Occult little brown myotis bat (water)	WATER	2.80E+06	µg/L
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.30E+05	mg/kg
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Red fox (water)	WATER	5.20E+06	µg/L
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.30E+03	mg/kg
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Vagrant shrew (water)	WATER	2.00E+06	µg/L
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Methylene Chloride	75-09-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.80E-01	mg/kg
VOC	Methylene Chloride	75-09-2	Aquatic	Aquatic community organisms - water	WATER	2.20E+03	µg/L
VOC	Methylene Chloride	75-09-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Methylene Chloride	75-09-2	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Methylene Chloride	75-09-2	Bird	American kestrel (water)	WATER		
VOC	Methylene Chloride	75-09-2	Bird	American robin (Avian herbivore)	SOIL		
VOC	Methylene Chloride	75-09-2	Bird	American robin (Avian insectivore)	SOIL		
VOC	Methylene Chloride	75-09-2	Bird	American robin (Avian omnivore)	SOIL		
VOC	Methylene Chloride	75-09-2	Bird	American robin (water)	WATER		
VOC	Methylene Chloride	75-09-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Methylene Chloride	75-09-2	Bird	Violet-green Swallow (water)	WATER		
VOC	Methylene Chloride	75-09-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Methylene Chloride	75-09-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.60E+00	mg/kg
VOC	Methylene Chloride	75-09-2	Mammal	Deer mouse (water)	WATER	3.10E+04	µg/L
VOC	Methylene Chloride	75-09-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.60E+00	mg/kg
VOC	Methylene Chloride	75-09-2	Mammal	Desert cottontail (water)	WATER	6.00E+04	µg/L
VOC	Methylene Chloride	75-09-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.50E+01	mg/kg
VOC	Methylene Chloride	75-09-2	Mammal	Occult little brown myotis bat (water)	WATER	3.70E+04	µg/L
VOC	Methylene Chloride	75-09-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.30E+03	mg/kg
VOC	Methylene Chloride	75-09-2	Mammal	Red fox (water)	WATER	6.80E+04	µg/L
VOC	Methylene Chloride	75-09-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.80E+01	mg/kg
VOC	Methylene Chloride	75-09-2	Mammal	Vagrant shrew (water)	WATER	2.60E+04	µg/L
VOC	Methylene Chloride	75-09-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.60E+03	mg/kg
VOC	Tetrachloroethene	127-18-4	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.30E-01	mg/kg
VOC	Tetrachloroethene	127-18-4	Aquatic	Aquatic community organisms - water	WATER	1.20E+02	µg/L
VOC	Tetrachloroethene	127-18-4	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Tetrachloroethene	127-18-4	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Tetrachloroethene	127-18-4	Bird	American kestrel (water)	WATER		
VOC	Tetrachloroethene	127-18-4	Bird	American robin (Avian herbivore)	SOIL		
VOC	Tetrachloroethene	127-18-4	Bird	American robin (Avian insectivore)	SOIL		
VOC	Tetrachloroethene	127-18-4	Bird	American robin (Avian omnivore)	SOIL		
VOC	Tetrachloroethene	127-18-4	Bird	American robin (water)	WATER		
VOC	Tetrachloroethene	127-18-4	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Tetrachloroethene	127-18-4	Bird	Violet-green Swallow (water)	WATER		
VOC	Tetrachloroethene	127-18-4	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Tetrachloroethene	127-18-4	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.80E+00	mg/kg
VOC	Tetrachloroethene	127-18-4	Mammal	Deer mouse (water)	WATER	7.30E+03	µg/L
VOC	Tetrachloroethene	127-18-4	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.30E+01	mg/kg
VOC	Tetrachloroethene	127-18-4	Mammal	Desert cottontail (water)	WATER	1.40E+04	µg/L
VOC	Tetrachloroethene	127-18-4	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.00E+00	mg/kg
VOC	Tetrachloroethene	127-18-4	Mammal	Occult little brown myotis bat (water)	WATER	8.80E+03	µg/L
VOC	Tetrachloroethene	127-18-4	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.00E+03	mg/kg
VOC	Tetrachloroethene	127-18-4	Mammal	Red fox (water)	WATER	1.60E+04	µg/L
VOC	Tetrachloroethene	127-18-4	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.80E+00	mg/kg
VOC	Tetrachloroethene	127-18-4	Mammal	Vagrant shrew (water)	WATER	6.20E+03	µg/L
VOC	Tetrachloroethene	127-18-4	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Toluene	108-88-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT	6.70E-01	mg/kg
VOC	Toluene	108-88-3	Aquatic	Aquatic community organisms - water	WATER	1.30E+02	µg/L
VOC	Toluene	108-88-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Toluene	108-88-3	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Toluene	108-88-3	Bird	American kestrel (water)	WATER		
VOC	Toluene	108-88-3	Bird	American robin (Avian herbivore)	SOIL		
VOC	Toluene	108-88-3	Bird	American robin (Avian insectivore)	SOIL		
VOC	Toluene	108-88-3	Bird	American robin (Avian omnivore)	SOIL		
VOC	Toluene	108-88-3	Bird	American robin (water)	WATER		
VOC	Toluene	108-88-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Toluene	108-88-3	Bird	Violet-green Swallow (water)	WATER		
VOC	Toluene	108-88-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Toluene	108-88-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	9.30E+01	mg/kg
VOC	Toluene	108-88-3	Mammal	Deer mouse (water)	WATER	1.30E+05	µg/L
VOC	Toluene	108-88-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.70E+02	mg/kg
VOC	Toluene	108-88-3	Mammal	Desert cottontail (water)	WATER	2.60E+05	µg/L
VOC	Toluene	108-88-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	9.30E+01	mg/kg
VOC	Toluene	108-88-3	Mammal	Occult little brown myotis bat (water)	WATER	1.60E+05	µg/L
VOC	Toluene	108-88-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.80E+04	mg/kg
VOC	Toluene	108-88-3	Mammal	Red fox (water)	WATER	3.00E+05	µg/L
VOC	Toluene	108-88-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.10E+01	mg/kg
VOC	Toluene	108-88-3	Mammal	Vagrant shrew (water)	WATER	1.10E+05	µg/L
VOC	Toluene	108-88-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.00E+02	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Aquatic	Aquatic community organisms - sediment	SEDIMENT	9.60E+00	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Aquatic	Aquatic community organisms - water	WATER	1.10E+02	µg/L
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American kestrel (water)	WATER		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American robin (Avian herbivore)	SOIL		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American robin (Avian insectivore)	SOIL		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American robin (Avian omnivore)	SOIL		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American robin (water)	WATER		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	Violet-green Swallow (water)	WATER		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.20E+01	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.50E+00	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Deer mouse (water)	WATER	7.70E+03	µg/L
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.50E+01	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Desert cottontail (water)	WATER	1.50E+04	µg/L
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.60E+00	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Occult little brown myotis bat (water)	WATER	9.30E+03	µg/L
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.70E+02	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Red fox (water)	WATER	1.70E+04	µg/L
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.50E+00	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Vagrant shrew (water)	WATER	6.60E+03	µg/L
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.70E-01	mg/kg
VOC	Trichloroethane[1,1,1-]	71-55-6	Aquatic	Aquatic community organisms - water	WATER	6.20E+01	µg/L
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American kestrel (water)	WATER		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American robin (Avian herbivore)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American robin (Avian insectivore)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American robin (Avian omnivore)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American robin (water)	WATER		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	Violet-green Swallow (water)	WATER		
VOC	Trichloroethane[1,1,1-]	71-55-6	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.10E+03	mg/kg
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Deer mouse (water)	WATER	5.20E+06	µg/L
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.40E+03	mg/kg
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Desert cottontail (water)	WATER	1.00E+07	µg/L
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.70E+03	mg/kg

VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+06	µg/L
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.30E+05	mg/kg
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Red fox (water)	WATER	1.10E+07	µg/L
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.80E+03	mg/kg
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Vagrant shrew (water)	WATER	4.40E+06	µg/L
VOC	Trichloroethane[1,1,1-]	71-55-6	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Trichloroethene	79-01-6	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.60E+00	mg/kg
VOC	Trichloroethene	79-01-6	Aquatic	Aquatic community organisms - water	WATER	3.50E+02	µg/L
VOC	Trichloroethene	79-01-6	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Trichloroethene	79-01-6	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Trichloroethene	79-01-6	Bird	American kestrel (water)	WATER		
VOC	Trichloroethene	79-01-6	Bird	American robin (Avian herbivore)	SOIL		
VOC	Trichloroethene	79-01-6	Bird	American robin (Avian insectivore)	SOIL		
VOC	Trichloroethene	79-01-6	Bird	American robin (Avian omnivore)	SOIL		
VOC	Trichloroethene	79-01-6	Bird	American robin (water)	WATER		
VOC	Trichloroethene	79-01-6	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Trichloroethene	79-01-6	Bird	Violet-green Swallow (water)	WATER		
VOC	Trichloroethene	79-01-6	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Trichloroethene	79-01-6	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.40E+00	mg/kg
VOC	Trichloroethene	79-01-6	Mammal	Deer mouse (water)	WATER	3.60E+03	µg/L
VOC	Trichloroethene	79-01-6	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.00E+00	mg/kg
VOC	Trichloroethene	79-01-6	Mammal	Desert cottontail (water)	WATER	7.20E+03	µg/L
VOC	Trichloroethene	79-01-6	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.50E+00	mg/kg
VOC	Trichloroethene	79-01-6	Mammal	Occult little brown myotis bat (water)	WATER	4.40E+03	µg/L
VOC	Trichloroethene	79-01-6	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.10E+02	mg/kg
VOC	Trichloroethene	79-01-6	Mammal	Red fox (water)	WATER	8.10E+03	µg/L
VOC	Trichloroethene	79-01-6	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.90E+00	mg/kg
VOC	Trichloroethene	79-01-6	Mammal	Vagrant shrew (water)	WATER	3.10E+03	µg/L
VOC	Trichloroethene	79-01-6	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Xylene (Total)	1330-20-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.10E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Aquatic	Aquatic community organisms - water	WATER	8.60E+01	µg/L
VOC	Xylene (Total)	1330-20-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL	8.30E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Bird	American kestrel (Avian top carnivore)	SOIL	3.60E+02	mg/kg
VOC	Xylene (Total)	1330-20-7	Bird	American kestrel (water)	WATER	6.40E+03	µg/L
VOC	Xylene (Total)	1330-20-7	Bird	American robin (Avian herbivore)	SOIL	3.40E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Bird	American robin (Avian insectivore)	SOIL	1.10E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Bird	American robin (Avian omnivore)	SOIL	1.70E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Bird	American robin (water)	WATER	5.50E+03	µg/L
VOC	Xylene (Total)	1330-20-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.50E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Bird	Violet-green Swallow (water)	WATER	3.20E+03	µg/L
VOC	Xylene (Total)	1330-20-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Xylene (Total)	1330-20-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	8.60E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Mammal	Deer mouse (water)	WATER	1.10E+04	µg/L
VOC	Xylene (Total)	1330-20-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.90E+01	mg/kg
VOC	Xylene (Total)	1330-20-7	Mammal	Desert cottontail (water)	WATER	2.10E+04	µg/L
VOC	Xylene (Total)	1330-20-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	7.10E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Mammal	Occult little brown myotis bat (water)	WATER	1.30E+04	µg/L
VOC	Xylene (Total)	1330-20-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.40E+03	mg/kg
VOC	Xylene (Total)	1330-20-7	Mammal	Red fox (water)	WATER	2.40E+04	µg/L
VOC	Xylene (Total)	1330-20-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.40E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Mammal	Vagrant shrew (water)	WATER	9.40E+03	µg/L
VOC	Xylene (Total)	1330-20-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+02	mg/kg

Ecorisk Databse History Post Release 1.2 – Non- radionuclides only

Summary

	New ESLs	Updated ESLs	Final ESL Changes	New TRVs	Updated TRVs	New PTSE TRVs	Other Parameter Changes
Release 1.3	**3**	**811**	**Not Reported**	**3**	**216**	**41**	**Numerous Changes. Details Not Reported**
Release 1.4	**0**	**382**	**30**	**0**	**0**	**0**	**1940**
Release 1.5	**10**	**255**	**28**	**155**	**118**	**97**	**5**
Release 2.0	**3**	**234**	**22**	**88**	**37**	**51**	**5**

Release 1.3 (September 2001)

- **New ESLs**

ESLs_New_092801								
Rad Or NonRad	**Analyte Group**	**Analyte Name**	**Analyte Code**	**ESL Medium**	**Receptor**	**New Value**	**Old value**	**Comment**
NONRAD	INORG	Chromium (total)	CR	SOIL	Earthworm (Soil-dwelling invertebrate)	1.4		New Value
NONRAD	PEST	DDT[4,4'-]	50-29-3	SOIL	Generic plant (Terrestrial autotroph - producer)	3.7		New Value
NONRAD	VOC	Dichloroethene[1,1-]	75-35-4	WATER	Aquatic community organisms - water	190		New Value

- **Updated ESLs**

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SEDIMENT	Aquatic	Aquatic community organisms - sediment	0.0000088	0.0000087	Value Increased
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	0.0000054	0.000019	Value Decreased
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	0.00000066	0.0000023	Value Decreased
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	7.6	7.5	Value Increased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	0.45	0.47	Value Decreased
High Explosive	Nitrotoluene[2-]	88-72-2	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	6.7	6.8	Value Decreased
High Explosive	Nitrotoluene[3-]	99-08-1	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	8	8.1	Value Decreased
High Explosive	Nitrotoluene[4-]	99-99-0	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	14	15	Value Decreased
High Explosive	PETN	78-11-5	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	18000	19000	Value Decreased
Inorganic Compound	Aluminum	AL	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	400	410	Value Decreased
Inorganic Compound	Antimony	SB	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	0.78	0.81	Value Decreased
Inorganic Compound	Arsenic	AS	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	29	19	Value Increased
Inorganic Compound	Arsenic	AS	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	1.2	0.81	Value Increased
Inorganic Compound	Barium	BA	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	340	47	Value Increased
Inorganic Compound	Barium	BA	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	3.3	3.4	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Inorganic Compound	Cadmium	CD	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	0.94	9	Value Decreased
Inorganic Compound	Cadmium	CD	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	1	10	Value Decreased
Inorganic Compound	Chromium (total)	CR	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	1600	2200	Value Decreased
Inorganic Compound	Chromium (total)	CR	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	2400	91000	Value Decreased
Inorganic Compound	Chromium(+6)	CR(+6)	SEDIMENT	Aquatic	Aquatic community organisms - sediment	8	56	Value Decreased
Inorganic Compound	Chromium(+6)	CR(+6)	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	230	100	Value Increased
Inorganic Compound	Chromium(+6)	CR(+6)	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	340	150	Value Increased
Inorganic Compound	Cobalt	CO	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	0.12	1.2	Value Decreased
Inorganic Compound	Copper	CU	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	730	700	Value Increased
Inorganic Compound	Fluoride	F(-1)	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	45	29	Value Increased
Inorganic Compound	Lead	PB	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	110	470	Value Decreased
Inorganic Compound	Lead	PB	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	200	910	Value Decreased
Inorganic Compound	Mercury (inorganic)	HGI	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	7	1.6	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	340	81	Value Increased
Inorganic Compound	Mercury (methyl)	HGM	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	0.00046	0.023	Value Decreased
Inorganic Compound	Mercury (methyl)	HGM	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	0.0039	0.2	Value Decreased
Inorganic Compound	Nickel	NI	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	2400	760	Value Increased
Inorganic Compound	Nickel	NI	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	2100	660	Value Increased
Inorganic Compound	Silver	AG	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	0.5	50	Value Decreased
Inorganic Compound	Uranium	U	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	29	30	Value Decreased
Inorganic Compound	Zinc	ZN	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	130	1600	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Decreased
Inorganic Compound	Zinc	ZN	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	300	3300	Value Decreased
Pesticide	Chlordane[alpha-]	5103-71-9	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	3	2.9	Value Increased
Pesticide	Chlordane[gamma-]	5103-74-2	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	3	2.9	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	0.0035	0.003	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	8.3	22	Value Decreased
Pesticide	DDT[4,4'-]	50-29-3	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	0.0035	0.0038	Value Decreased
Pesticide	DDT[4,4'-]	50-29-3	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	1.3	1.8	Value Decreased
Pesticide	Endosulfan	115-29-7	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	0.46	4.6	Value Decreased
Pesticide	Heptachlor	76-44-8	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	0.4	1.3	Value Decreased
Pesticide	Heptachlor	76-44-8	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	0.075	0.24	Value Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	290	2900	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	5.9	4.3	Value Increased
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	15	2.4	Value Increased
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	60	9.6	Value Increased
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	94	17	Value Increased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	4.4	4.3	Value Increased
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	19	3	Value Increased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	380	38	Value Increased
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	94	16	Value Increased
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	7.7	7.9	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	160	16	Value Increased
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	15	150	Value Decreased
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	0.032	6.9	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	0.055	0.74	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	0.087	0.21	Value Decreased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	0.055	0.0041	Value Increased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	0.0092	0.025	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	0.055	0.26	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	0.028	0.16	Value Decreased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	0.59	0.068	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	6.4	0.097	Value Increased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	39	38	Value Increased
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	SEDIMENT	Aquatic	Aquatic community organisms - sediment	13	11	Value Increased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	2.5	25	Value Decreased
Volatile Organic Compound	Acetone	67-64-1	SEDIMENT	Bird	Violet-green Swallow (Avian aerial insectivore)	60000	59000	Value Increased
Volatile Organic Compound	Butanone[2-]	78-93-3	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	8100	8200	Value Decreased
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	SEDIMENT	Aquatic	Aquatic community organisms - sediment	0.35	0.32	Value Increased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	SEDIMENT	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	170	1800	Value Decreased
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	Bird	American kestrel (Avian intermediate carnivore)	0.000015	0.000029	Value Decreased
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	Bird	American kestrel (Avian top carnivore)	0.000015	0.000021	Value Decreased
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-	1746-01-6	SOIL	Bird	American robin (Avian herbivore)	0.00024	0.00037	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
	]							Decreased
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	Bird	American robin (Avian insectivore)	0.0000041	0.000014	Value Decreased
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	Bird	American robin (Avian omnivore)	0.0000081	0.000027	Value Decreased
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.000001	0.0000036	Value Decreased
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	0.00012	0.00035	Value Decreased
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	Mammal	Red fox (Mammalian top carnivore)	0.0000024	0.0000033	Value Decreased
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.00000052	0.0000018	Value Decreased
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	SOIL	Mammal	Deer mouse (Mammalian omnivore)	3.6	4.1	Value Decreased
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	5.6	6.9	Value Decreased
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	SOIL	Mammal	Red fox (Mammalian top carnivore)	860	1400	Value Decreased
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	5.7	5.6	Value Increased
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	5.3	6.1	Value Decreased
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	8.2	10	Value Decreased
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	1200	2000	Value Decreased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	SOIL	Bird	American kestrel (Avian top carnivore)	0.11	0.21	Value Decreased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	SOIL	Bird	American robin (Avian herbivore)	0.00021	0.00022	Value Decreased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	SOIL	Bird	American robin (Avian omnivore)	0.00033	0.00034	Value Decreased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.15	0.16	Value Decreased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	0.21	0.22	Value Decreased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	SOIL	Mammal	Red fox (Mammalian top carnivore)	52	83	Value Decreased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.34	0.35	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
High Explosive	Dinitrotoluene[2,4-]	121-14-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	1	1.2	Value Decreased
High Explosive	Dinitrotoluene[2,4-]	121-14-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	1.6	2.1	Value Decreased
High Explosive	Dinitrotoluene[2,4-]	121-14-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	230	390	Value Decreased
High Explosive	Dinitrotoluene[2,6-]	606-20-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.65	0.74	Value Decreased
High Explosive	Dinitrotoluene[2,6-]	606-20-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	0.98	1.1	Value Decreased
High Explosive	Dinitrotoluene[2,6-]	606-20-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	160	260	Value Decreased
High Explosive	HMX	2691-41-0	SOIL	Mammal	Deer mouse (Mammalian omnivore)	42	26	Value Increased
High Explosive	HMX	2691-41-0	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	49	29	Value Increased
High Explosive	HMX	2691-41-0	SOIL	Mammal	Red fox (Mammalian top carnivore)	37000	55000	Value Decreased
High Explosive	Nitroglycerine	55-63-0	SOIL	Mammal	Deer mouse (Mammalian omnivore)	140	150	Value Decreased
High Explosive	Nitroglycerine	55-63-0	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	210	220	Value Decreased
High Explosive	Nitroglycerine	55-63-0	SOIL	Mammal	Red fox (Mammalian top carnivore)	45000	71000	Value Decreased
High Explosive	Nitrotoluene[2-]	88-72-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	4.1	5.1	Value Decreased
High Explosive	Nitrotoluene[2-]	88-72-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	7.1	10	Value Decreased
High Explosive	Nitrotoluene[2-]	88-72-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	670	1300	Value Decreased
High Explosive	Nitrotoluene[3-]	99-08-1	SOIL	Mammal	Deer mouse (Mammalian omnivore)	5.3	6.8	Value Decreased
High Explosive	Nitrotoluene[3-]	99-08-1	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	9.8	15	Value Decreased
High Explosive	Nitrotoluene[3-]	99-08-1	SOIL	Mammal	Red fox (Mammalian top carnivore)	750	1600	Value Decreased
High Explosive	Nitrotoluene[3-]	99-08-1	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	6.1	6.2	Value Decreased
High Explosive	Nitrotoluene[4-]	99-99-0	SOIL	Mammal	Deer mouse (Mammalian omnivore)	9.3	11	Value Decreased
High Explosive	Nitrotoluene[4-]	99-99-0	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	16	25	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Decreased
High Explosive	Nitrotoluene[4-]	99-99-0	SOIL	Mammal	Red fox (Mammalian top carnivore)	1400	2900	Value Decreased
High Explosive	PETN	78-11-5	SOIL	Mammal	Deer mouse (Mammalian omnivore)	21000	26000	Value Decreased
High Explosive	PETN	78-11-5	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	80000	210000	Value Decreased
High Explosive	PETN	78-11-5	SOIL	Mammal	Red fox (Mammalian top carnivore)	820000	3600000	Value Decreased
High Explosive	RDX	121-82-4	SOIL	Mammal	Deer mouse (Mammalian omnivore)	9.1	7.3	Value Increased
High Explosive	RDX	121-82-4	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	11	8.8	Value Increased
High Explosive	RDX	121-82-4	SOIL	Mammal	Red fox (Mammalian top carnivore)	4800	7300	Value Decreased
High Explosive	Tetryl	479-45-8	SOIL	Mammal	Deer mouse (Mammalian omnivore)	2	2.2	Value Decreased
High Explosive	Tetryl	479-45-8	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	2.9	3.2	Value Decreased
High Explosive	Tetryl	479-45-8	SOIL	Mammal	Red fox (Mammalian top carnivore)	610	950	Value Decreased
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	SOIL	Mammal	Deer mouse (Mammalian omnivore)	15	14	Value Increased
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	20	17	Value Increased
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	SOIL	Mammal	Red fox (Mammalian top carnivore)	6400	9900	Value Decreased
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	SOIL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	0.7	0.3	Value Increased
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	SOIL	Mammal	Deer mouse (Mammalian omnivore)	53	56	Value Decreased
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	75	80	Value Decreased
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	SOIL	Mammal	Red fox (Mammalian top carnivore)	16000	25000	Value Decreased
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	0.7	3	Value Decreased
Inorganic Compound	Aluminum	AL	SOIL	Bird	American kestrel (Avian top carnivore)	52000	51000	Value Increased
Inorganic Compound	Antimony	SB	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	6	6.2	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Inorganic Compound	Antimony	SB	SOIL	Mammal	Red fox (Mammalian top carnivore)	90	93	Value Decreased
Inorganic Compound	Antimony	SB	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.57	0.59	Value Decreased
Inorganic Compound	Antimony	SB	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	0.05	0.5	Value Decreased
Inorganic Compound	Arsenic	AS	SOIL	Bird	American kestrel (Avian intermediate carnivore)	140	98	Value Increased
Inorganic Compound	Arsenic	AS	SOIL	Bird	American kestrel (Avian top carnivore)	2400	2300	Value Increased
Inorganic Compound	Arsenic	AS	SOIL	Bird	American robin (Avian insectivore)	19	13	Value Increased
Inorganic Compound	Arsenic	AS	SOIL	Bird	American robin (Avian omnivore)	32	23	Value Increased
Inorganic Compound	Arsenic	AS	SOIL	Mammal	Deer mouse (Mammalian omnivore)	1.7	1.2	Value Increased
Inorganic Compound	Arsenic	AS	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.83	0.59	Value Increased
Inorganic Compound	Barium	BA	SOIL	Bird	American kestrel (Avian intermediate carnivore)	1700	240	Value Increased
Inorganic Compound	Barium	BA	SOIL	Bird	American kestrel (Avian top carnivore)	46000	6300	Value Increased
Inorganic Compound	Barium	BA	SOIL	Bird	American robin (Avian herbivore)	1000	140	Value Increased
Inorganic Compound	Barium	BA	SOIL	Bird	American robin (Avian insectivore)	230	32	Value Increased
Inorganic Compound	Barium	BA	SOIL	Bird	American robin (Avian omnivore)	380	53	Value Increased
Inorganic Compound	Barium	BA	SOIL	Mammal	Deer mouse (Mammalian omnivore)	4.5	4.6	Value Decreased
Inorganic Compound	Barium	BA	SOIL	Mammal	Red fox (Mammalian top carnivore)	390	400	Value Decreased
Inorganic Compound	Barium	BA	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	2.4	2.5	Value Decreased
Inorganic Compound	Beryllium	BE	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	2.5	1	Value Increased
Inorganic Compound	Boron	B	SOIL	Bird	American kestrel (Avian intermediate carnivore)	900	890	Value Increased
Inorganic Compound	Boron	B	SOIL	Bird	American robin (Avian herbivore)	32	1200	Value Decreased
Inorganic Compound	Boron	B	SOIL	Bird	American robin (Avian omnivore)	51	210	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Decreased
Inorganic Compound	Boron	B	SOIL	Mammal	Deer mouse (Mammalian omnivore)	55	260	Value Decreased
Inorganic Compound	Boron	B	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	74	8800	Value Decreased
Inorganic Compound	Boron	B	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	10	5.7	Value Increased
Inorganic Compound	Cadmium	CD	SOIL	Bird	American kestrel (Avian intermediate carnivore)	5	45	Value Decreased
Inorganic Compound	Cadmium	CD	SOIL	Bird	American kestrel (Avian top carnivore)	660	720	Value Decreased
Inorganic Compound	Cadmium	CD	SOIL	Bird	American robin (Avian herbivore)	8.9	6.3	Value Increased
Inorganic Compound	Cadmium	CD	SOIL	Bird	American robin (Avian insectivore)	0.7	5.9	Value Decreased
Inorganic Compound	Cadmium	CD	SOIL	Bird	American robin (Avian omnivore)	1.3	6.1	Value Decreased
Inorganic Compound	Cadmium	CD	SOIL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	0.1	10	Value Decreased
Inorganic Compound	Cadmium	CD	SOIL	Mammal	Deer mouse (Mammalian omnivore)	1.6	8.4	Value Decreased
Inorganic Compound	Cadmium	CD	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	27	18	Value Increased
Inorganic Compound	Cadmium	CD	SOIL	Mammal	Red fox (Mammalian top carnivore)	690	730	Value Decreased
Inorganic Compound	Cadmium	CD	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.86	7.2	Value Decreased
Inorganic Compound	Chromium (total)	CR	SOIL	Bird	American kestrel (Avian intermediate carnivore)	5300	8900	Value Decreased
Inorganic Compound	Chromium (total)	CR	SOIL	Bird	American kestrel (Avian top carnivore)	13000	32000	Value Decreased
Inorganic Compound	Chromium (total)	CR	SOIL	Bird	American robin (Avian herbivore)	700	1500	Value Decreased
Inorganic Compound	Chromium (total)	CR	SOIL	Bird	American robin (Avian insectivore)	470	950	Value Decreased
Inorganic Compound	Chromium (total)	CR	SOIL	Bird	American robin (Avian omnivore)	560	1100	Value Decreased
Inorganic Compound	Chromium (total)	CR	SOIL	Mammal	Deer mouse (Mammalian omnivore)	2100	90000	Value Decreased
Inorganic Compound	Chromium (total)	CR	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	7800	310000	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Inorganic Compound	Chromium (total)	CR	SOIL	Mammal	Red fox (Mammalian top carnivore)	16000	1200000	Value Decreased
Inorganic Compound	Chromium (total)	CR	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	720	41000	Value Decreased
Inorganic Compound	Chromium (total)	CR	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	2.4	3.1	Value Decreased
Inorganic Compound	Chromium(+6)	CR(+6)	SOIL	Bird	American kestrel (Avian intermediate carnivore)	760	440	Value Increased
Inorganic Compound	Chromium(+6)	CR(+6)	SOIL	Bird	American kestrel (Avian top carnivore)	1800	1600	Value Increased
Inorganic Compound	Chromium(+6)	CR(+6)	SOIL	Bird	American robin (Avian herbivore)	100	77	Value Increased
Inorganic Compound	Chromium(+6)	CR(+6)	SOIL	Bird	American robin (Avian insectivore)	67	47	Value Increased
Inorganic Compound	Chromium(+6)	CR(+6)	SOIL	Bird	American robin (Avian omnivore)	81	58	Value Increased
Inorganic Compound	Chromium(+6)	CR(+6)	SOIL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	0.2	10	Value Decreased
Inorganic Compound	Chromium(+6)	CR(+6)	SOIL	Mammal	Deer mouse (Mammalian omnivore)	300	150	Value Increased
Inorganic Compound	Chromium(+6)	CR(+6)	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	1100	550	Value Increased
Inorganic Compound	Chromium(+6)	CR(+6)	SOIL	Mammal	Red fox (Mammalian top carnivore)	2300	2100	Value Increased
Inorganic Compound	Chromium(+6)	CR(+6)	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	100	72	Value Increased
Inorganic Compound	Cobalt	CO	SOIL	Bird	American kestrel (Avian intermediate carnivore)	0.38	0.37	Value Increased
Inorganic Compound	Cobalt	CO	SOIL	Bird	American kestrel (Avian top carnivore)	6.1	4	Value Increased
Inorganic Compound	Cobalt	CO	SOIL	Bird	American robin (Avian herbivore)	0.47	0.11	Value Increased
Inorganic Compound	Cobalt	CO	SOIL	Bird	American robin (Avian omnivore)	0.093	0.071	Value Increased
Inorganic Compound	Cobalt	CO	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.18	1.3	Value Decreased
Inorganic Compound	Cobalt	CO	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	4.8	5	Value Decreased
Inorganic Compound	Cobalt	CO	SOIL	Mammal	Red fox (Mammalian top carnivore)	10	74	Value Decreased
Inorganic Compound	Cobalt	CO	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.091	0.91	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Decreased
Inorganic Compound	Cobalt	CO	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	0.25	2.5	Value Decreased
Inorganic Compound	Copper	CU	SOIL	Bird	American kestrel (Avian intermediate carnivore)	3300	3100	Value Increased
Inorganic Compound	Copper	CU	SOIL	Bird	American kestrel (Avian top carnivore)	21000	16000	Value Increased
Inorganic Compound	Copper	CU	SOIL	Bird	American robin (Avian herbivore)	260	140	Value Increased
Inorganic Compound	Copper	CU	SOIL	Bird	American robin (Avian insectivore)	390	380	Value Increased
Inorganic Compound	Copper	CU	SOIL	Bird	American robin (Avian omnivore)	310	210	Value Increased
Inorganic Compound	Copper	CU	SOIL	Mammal	Deer mouse (Mammalian omnivore)	170	110	Value Increased
Inorganic Compound	Copper	CU	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	290	150	Value Increased
Inorganic Compound	Copper	CU	SOIL	Mammal	Red fox (Mammalian top carnivore)	8100	7000	Value Increased
Inorganic Compound	Copper	CU	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	10	100	Value Decreased
Inorganic Compound	Cyanide (total)	CN(-1)	SOIL	Bird	American kestrel (Avian intermediate carnivore)	0.48	0.39	Value Increased
Inorganic Compound	Cyanide (total)	CN(-1)	SOIL	Bird	American kestrel (Avian top carnivore)	0.61	0.39	Value Increased
Inorganic Compound	Cyanide (total)	CN(-1)	SOIL	Mammal	Red fox (Mammalian top carnivore)	2200	1400	Value Increased
Inorganic Compound	Fluoride	F(-1)	SOIL	Bird	American kestrel (Avian intermediate carnivore)	210	77	Value Increased
Inorganic Compound	Fluoride	F(-1)	SOIL	Bird	American kestrel (Avian top carnivore)	1000	77	Value Increased
Inorganic Compound	Fluoride	F(-1)	SOIL	Bird	American robin (Avian herbivore)	210	20	Value Increased
Inorganic Compound	Fluoride	F(-1)	SOIL	Bird	American robin (Avian insectivore)	31	20	Value Increased
Inorganic Compound	Fluoride	F(-1)	SOIL	Bird	American robin (Avian omnivore)	55	20	Value Increased
Inorganic Compound	Fluoride	F(-1)	SOIL	Mammal	Deer mouse (Mammalian omnivore)	240	130	Value Increased
Inorganic Compound	Fluoride	F(-1)	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	3400	270	Value Increased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Inorganic Compound	Fluoride	F(-1)	SOIL	Mammal	Red fox (Mammalian top carnivore)	4700	570	Value Increased
Inorganic Compound	Lead	PB	SOIL	Bird	American kestrel (Avian intermediate carnivore)	500	1200	Value Decreased
Inorganic Compound	Lead	PB	SOIL	Bird	American kestrel (Avian top carnivore)	2700	2500	Value Increased
Inorganic Compound	Lead	PB	SOIL	Bird	American robin (Avian herbivore)	100	76	Value Increased
Inorganic Compound	Lead	PB	SOIL	Bird	American robin (Avian insectivore)	56	100	Value Decreased
Inorganic Compound	Lead	PB	SOIL	Bird	American robin (Avian omnivore)	74	88	Value Decreased
Inorganic Compound	Lead	PB	SOIL	Mammal	Deer mouse (Mammalian omnivore)	210	340	Value Decreased
Inorganic Compound	Lead	PB	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	900	540	Value Increased
Inorganic Compound	Lead	PB	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	100	200	Value Decreased
Inorganic Compound	Manganese	MN	SOIL	Bird	American kestrel (Avian top carnivore)	280000	250000	Value Increased
Inorganic Compound	Manganese	MN	SOIL	Bird	American robin (Avian herbivore)	4600	520	Value Increased
Inorganic Compound	Manganese	MN	SOIL	Bird	American robin (Avian omnivore)	4200	930	Value Increased
Inorganic Compound	Manganese	MN	SOIL	Mammal	Deer mouse (Mammalian omnivore)	720	130	Value Increased
Inorganic Compound	Manganese	MN	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	1700	150	Value Increased
Inorganic Compound	Manganese	MN	SOIL	Mammal	Red fox (Mammalian top carnivore)	32000	29000	Value Increased
Inorganic Compound	Manganese	MN	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	50	5	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	SOIL	Bird	American kestrel (Avian intermediate carnivore)	27	7	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	SOIL	Bird	American kestrel (Avian top carnivore)	69	16	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	SOIL	Bird	American robin (Avian herbivore)	9.3	1.1	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	SOIL	Bird	American robin (Avian insectivore)	3.7	1.1	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	SOIL	Bird	American robin (Avian omnivore)	5.3	1.1	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Increased
Inorganic Compound	Mercury (inorganic)	HGI	SOIL	Mammal	Deer mouse (Mammalian omnivore)	410	63	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	2300	130	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	SOIL	Mammal	Red fox (Mammalian top carnivore)	3800	1000	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	190	59	Value Increased
Inorganic Compound	Mercury (methyl)	HGM	SOIL	Bird	American kestrel (Avian intermediate carnivore)	0.0022	0.1	Value Decreased
Inorganic Compound	Mercury (methyl)	HGM	SOIL	Bird	American kestrel (Avian top carnivore)	0.0083	0.23	Value Decreased
Inorganic Compound	Mercury (methyl)	HGM	SOIL	Bird	American robin (Avian herbivore)	0.077	0.016	Value Increased
Inorganic Compound	Mercury (methyl)	HGM	SOIL	Bird	American robin (Avian insectivore)	0.00035	0.016	Value Decreased
Inorganic Compound	Mercury (methyl)	HGM	SOIL	Bird	American robin (Avian omnivore)	0.00071	0.016	Value Decreased
Inorganic Compound	Mercury (methyl)	HGM	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.0062	0.15	Value Decreased
Inorganic Compound	Mercury (methyl)	HGM	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	2.1	0.33	Value Increased
Inorganic Compound	Mercury (methyl)	HGM	SOIL	Mammal	Red fox (Mammalian top carnivore)	0.091	2.5	Value Decreased
Inorganic Compound	Mercury (methyl)	HGM	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.0031	0.14	Value Decreased
Inorganic Compound	Nickel	NI	SOIL	Bird	American kestrel (Avian intermediate carnivore)	9700	3700	Value Increased
Inorganic Compound	Nickel	NI	SOIL	Bird	American kestrel (Avian top carnivore)	37000	35000	Value Increased
Inorganic Compound	Nickel	NI	SOIL	Bird	American robin (Avian herbivore)	1600	730	Value Increased
Inorganic Compound	Nickel	NI	SOIL	Bird	American robin (Avian insectivore)	1000	460	Value Increased
Inorganic Compound	Nickel	NI	SOIL	Bird	American robin (Avian omnivore)	1200	560	Value Increased
Inorganic Compound	Nickel	NI	SOIL	Mammal	Deer mouse (Mammalian omnivore)	2000	640	Value Increased
Inorganic Compound	Nickel	NI	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	7600	1900	Value Increased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Inorganic Compound	Nickel	NI	SOIL	Mammal	Red fox (Mammalian top carnivore)	28000	27000	Value Increased
Inorganic Compound	Nickel	NI	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	910	420	Value Increased
Inorganic Compound	Selenium	SE	SOIL	Bird	American kestrel (Avian intermediate carnivore)	8.4	7.7	Value Increased
Inorganic Compound	Selenium	SE	SOIL	Bird	American kestrel (Avian top carnivore)	150	37	Value Increased
Inorganic Compound	Selenium	SE	SOIL	Bird	American robin (Avian herbivore)	10	2	Value Increased
Inorganic Compound	Selenium	SE	SOIL	Bird	American robin (Avian omnivore)	2	1.4	Value Increased
Inorganic Compound	Selenium	SE	SOIL	Mammal	Deer mouse (Mammalian omnivore)	1.8	1.2	Value Increased
Inorganic Compound	Selenium	SE	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	53	4.1	Value Increased
Inorganic Compound	Selenium	SE	SOIL	Mammal	Red fox (Mammalian top carnivore)	110	34	Value Increased
Inorganic Compound	Selenium	SE	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	0.1	0.5	Value Decreased
Inorganic Compound	Silver	AG	SOIL	Bird	American kestrel (Avian top carnivore)	2500	2100	Value Increased
Inorganic Compound	Silver	AG	SOIL	Bird	American robin (Avian herbivore)	31	14	Value Increased
Inorganic Compound	Silver	AG	SOIL	Bird	American robin (Avian omnivore)	36	21	Value Increased
Inorganic Compound	Silver	AG	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.28	15	Value Decreased
Inorganic Compound	Silver	AG	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	0.5	21	Value Decreased
Inorganic Compound	Silver	AG	SOIL	Mammal	Red fox (Mammalian top carnivore)	13	1200	Value Decreased
Inorganic Compound	Silver	AG	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.28	28	Value Decreased
Inorganic Compound	Strontium (stable)	SR	SOIL	Mammal	Deer mouse (Mammalian omnivore)	89	190	Value Decreased
Inorganic Compound	Strontium (stable)	SR	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	100	260	Value Decreased
Inorganic Compound	Strontium (stable)	SR	SOIL	Mammal	Red fox (Mammalian top carnivore)	18000	15000	Value Increased
Inorganic Compound	Thallium	TL	SOIL	Mammal	Red fox (Mammalian top carnivore)	28	22	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Increased
Inorganic Compound	Titanium	TI	SOIL	Mammal	Red fox (Mammalian top carnivore)	7100	5800	Value Increased
Inorganic Compound	Uranium	U	SOIL	Bird	American kestrel (Avian top carnivore)	3900	2700	Value Increased
Inorganic Compound	Uranium	U	SOIL	Bird	American robin (Avian herbivore)	200	190	Value Increased
Inorganic Compound	Uranium	U	SOIL	Bird	American robin (Avian insectivore)	20	21	Value Decreased
Inorganic Compound	Uranium	U	SOIL	Bird	American robin (Avian omnivore)	36	38	Value Decreased
Inorganic Compound	Uranium	U	SOIL	Mammal	Deer mouse (Mammalian omnivore)	58	57	Value Increased
Inorganic Compound	Uranium	U	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	2000	1300	Value Increased
Inorganic Compound	Uranium	U	SOIL	Mammal	Red fox (Mammalian top carnivore)	4400	3300	Value Increased
Inorganic Compound	Uranium	U	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	25	5	Value Increased
Inorganic Compound	Vanadium	V	SOIL	Bird	American kestrel (Avian top carnivore)	510	490	Value Increased
Inorganic Compound	Vanadium	V	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	0.025	0.25	Value Decreased
Inorganic Compound	Zinc	ZN	SOIL	Bird	American kestrel (Avian intermediate carnivore)	670	5300	Value Decreased
Inorganic Compound	Zinc	ZN	SOIL	Bird	American kestrel (Avian top carnivore)	5300	7600	Value Decreased
Inorganic Compound	Zinc	ZN	SOIL	Bird	American robin (Avian herbivore)	210	230	Value Decreased
Inorganic Compound	Zinc	ZN	SOIL	Bird	American robin (Avian insectivore)	99	920	Value Decreased
Inorganic Compound	Zinc	ZN	SOIL	Bird	American robin (Avian omnivore)	130	360	Value Decreased
Inorganic Compound	Zinc	ZN	SOIL	Mammal	Deer mouse (Mammalian omnivore)	320	860	Value Decreased
Inorganic Compound	Zinc	ZN	SOIL	Mammal	Red fox (Mammalian top carnivore)	15000	19000	Value Decreased
Inorganic Compound	Zinc	ZN	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	230	2000	Value Decreased
Pesticide	BHC[beta-]	319-85-7	SOIL	Bird	American kestrel (Avian intermediate carnivore)	350	380	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Pesticide	BHC[beta-]	319-85-7	SOIL	Bird	American kestrel (Avian top carnivore)	2300	14000	Value Decreased
Pesticide	BHC[beta-]	319-85-7	SOIL	Bird	American robin (Avian herbivore)	130	310	Value Decreased
Pesticide	BHC[beta-]	319-85-7	SOIL	Bird	American robin (Avian omnivore)	76	90	Value Decreased
Pesticide	BHC[beta-]	319-85-7	SOIL	Mammal	Deer mouse (Mammalian omnivore)	1.4	1.7	Value Decreased
Pesticide	BHC[beta-]	319-85-7	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	5.9	16	Value Decreased
Pesticide	BHC[beta-]	319-85-7	SOIL	Mammal	Red fox (Mammalian top carnivore)	51	230	Value Decreased
Pesticide	BHC[gamma-]	58-89-9	SOIL	Bird	American kestrel (Avian intermediate carnivore)	5.3	5.6	Value Decreased
Pesticide	BHC[gamma-]	58-89-9	SOIL	Bird	American kestrel (Avian top carnivore)	37	210	Value Decreased
Pesticide	BHC[gamma-]	58-89-9	SOIL	Bird	American robin (Avian herbivore)	1.8	4.3	Value Decreased
Pesticide	BHC[gamma-]	58-89-9	SOIL	Bird	American robin (Avian omnivore)	1.1	1.3	Value Decreased
Pesticide	BHC[gamma-]	58-89-9	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.051	0.061	Value Decreased
Pesticide	BHC[gamma-]	58-89-9	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	0.19	0.51	Value Decreased
Pesticide	BHC[gamma-]	58-89-9	SOIL	Mammal	Red fox (Mammalian top carnivore)	1.9	8.5	Value Decreased
Pesticide	Chlordane[alpha-]	5103-71-9	SOIL	Bird	American kestrel (Avian intermediate carnivore)	9	6.3	Value Increased
Pesticide	Chlordane[alpha-]	5103-71-9	SOIL	Bird	American kestrel (Avian top carnivore)	10	5.3	Value Increased
Pesticide	Chlordane[alpha-]	5103-71-9	SOIL	Bird	American robin (Avian herbivore)	34	55	Value Decreased
Pesticide	Chlordane[alpha-]	5103-71-9	SOIL	Bird	American robin (Avian insectivore)	2.2	2.1	Value Increased
Pesticide	Chlordane[alpha-]	5103-71-9	SOIL	Mammal	Deer mouse (Mammalian omnivore)	4.2	4.3	Value Decreased
Pesticide	Chlordane[alpha-]	5103-71-9	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	120	380	Value Decreased
Pesticide	Chlordane[alpha-]	5103-71-9	SOIL	Mammal	Red fox (Mammalian top carnivore)	12	6.5	Value Increased
Pesticide	Chlordane[gamma-]	5103-74-2	SOIL	Bird	American kestrel (Avian intermediate carnivore)	9	6.3	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Increased
Pesticide	Chlordane[gamma-]	5103-74-2	SOIL	Bird	American kestrel (Avian top carnivore)	10	5.3	Value Increased
Pesticide	Chlordane[gamma-]	5103-74-2	SOIL	Bird	American robin (Avian herbivore)	34	55	Value Decreased
Pesticide	Chlordane[gamma-]	5103-74-2	SOIL	Bird	American robin (Avian insectivore)	2.2	2.1	Value Increased
Pesticide	Chlordane[gamma-]	5103-74-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	4.2	4.3	Value Decreased
Pesticide	Chlordane[gamma-]	5103-74-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	120	380	Value Decreased
Pesticide	Chlordane[gamma-]	5103-74-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	12	6.5	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	SOIL	Bird	American kestrel (Avian intermediate carnivore)	0.0086	0.003	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	SOIL	Bird	American kestrel (Avian top carnivore)	0.008	0.0018	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	SOIL	Bird	American robin (Avian herbivore)	0.13	0.061	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	SOIL	Bird	American robin (Avian insectivore)	0.0026	0.0022	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	SOIL	Bird	American robin (Avian omnivore)	0.0052	0.0043	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	SOIL	Mammal	Deer mouse (Mammalian omnivore)	13	35	Value Decreased
Pesticide	DDE[4,4'-]	72-55-9	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	1400	3700	Value Decreased
Pesticide	DDE[4,4'-]	72-55-9	SOIL	Mammal	Red fox (Mammalian top carnivore)	24	18	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	6.6	17	Value Decreased
Pesticide	DDT[4,4'-]	50-29-3	SOIL	Bird	American kestrel (Avian intermediate carnivore)	0.0097	0.0059	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	SOIL	Bird	American kestrel (Avian top carnivore)	0.0099	0.0042	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	SOIL	Bird	American robin (Avian herbivore)	0.12	0.075	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	SOIL	Bird	American robin (Avian insectivore)	0.0026	0.0028	Value Decreased
Pesticide	DDT[4,4'-]	50-29-3	SOIL	Bird	American robin (Avian omnivore)	0.0051	0.0055	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Pesticide	DDT[4,4'-]	50-29-3	SOIL	Mammal	Deer mouse (Mammalian omnivore)	2	2.9	Value Decreased
Pesticide	DDT[4,4'-]	50-29-3	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	190	280	Value Decreased
Pesticide	DDT[4,4'-]	50-29-3	SOIL	Mammal	Red fox (Mammalian top carnivore)	4.9	2.6	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	1	1.4	Value Decreased
Pesticide	Dieldrin	60-57-1	SOIL	Bird	American kestrel (Avian intermediate carnivore)	0.49	0.56	Value Decreased
Pesticide	Dieldrin	60-57-1	SOIL	Bird	American kestrel (Avian top carnivore)	1	1.9	Value Decreased
Pesticide	Dieldrin	60-57-1	SOIL	Bird	American robin (Avian herbivore)	0.8	1.6	Value Decreased
Pesticide	Dieldrin	60-57-1	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.077	0.082	Value Decreased
Pesticide	Dieldrin	60-57-1	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	1	3.9	Value Decreased
Pesticide	Dieldrin	60-57-1	SOIL	Mammal	Red fox (Mammalian top carnivore)	0.56	1.1	Value Decreased
Pesticide	Endosulfan	115-29-7	SOIL	Bird	American kestrel (Avian intermediate carnivore)	88	96	Value Decreased
Pesticide	Endosulfan	115-29-7	SOIL	Bird	American kestrel (Avian top carnivore)	460	2800	Value Decreased
Pesticide	Endosulfan	115-29-7	SOIL	Bird	American robin (Avian herbivore)	44	100	Value Decreased
Pesticide	Endosulfan	115-29-7	SOIL	Bird	American robin (Avian omnivore)	20	23	Value Decreased
Pesticide	Endosulfan	115-29-7	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.57	6.6	Value Decreased
Pesticide	Endosulfan	115-29-7	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	2.8	85	Value Decreased
Pesticide	Endosulfan	115-29-7	SOIL	Mammal	Red fox (Mammalian top carnivore)	14	730	Value Decreased
Pesticide	Endosulfan	115-29-7	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.35	3.5	Value Decreased
Pesticide	Endrin	72-20-8	SOIL	Bird	American kestrel (Avian intermediate carnivore)	0.07	0.081	Value Decreased
Pesticide	Endrin	72-20-8	SOIL	Bird	American kestrel (Avian top carnivore)	0.17	0.52	Value Decreased
Pesticide	Endrin	72-20-8	SOIL	Bird	American robin (Avian herbivore)	0.086	0.19	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Decreased
Pesticide	Endrin	72-20-8	SOIL	Bird	American robin (Avian omnivore)	0.021	0.022	Value Decreased
Pesticide	Endrin	72-20-8	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.36	0.38	Value Decreased
Pesticide	Endrin	72-20-8	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	3.8	14	Value Decreased
Pesticide	Endrin	72-20-8	SOIL	Mammal	Red fox (Mammalian top carnivore)	3.5	10	Value Decreased
Pesticide	Heptachlor	76-44-8	SOIL	Bird	American kestrel (Avian intermediate carnivore)	1.2	3	Value Decreased
Pesticide	Heptachlor	76-44-8	SOIL	Bird	American kestrel (Avian top carnivore)	1.5	2.7	Value Decreased
Pesticide	Heptachlor	76-44-8	SOIL	Bird	American robin (Avian herbivore)	14	24	Value Decreased
Pesticide	Heptachlor	76-44-8	SOIL	Bird	American robin (Avian insectivore)	0.3	0.96	Value Decreased
Pesticide	Heptachlor	76-44-8	SOIL	Bird	American robin (Avian omnivore)	0.6	1.8	Value Decreased
Pesticide	Heptachlor	76-44-8	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.11	0.37	Value Decreased
Pesticide	Heptachlor	76-44-8	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	10	32	Value Decreased
Pesticide	Heptachlor	76-44-8	SOIL	Mammal	Red fox (Mammalian top carnivore)	0.35	0.64	Value Decreased
Pesticide	Heptachlor	76-44-8	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.059	0.18	Value Decreased
Pesticide	Kepone	143-50-0	SOIL	Bird	American kestrel (Avian intermediate carnivore)	55	63	Value Decreased
Pesticide	Kepone	143-50-0	SOIL	Bird	American kestrel (Avian top carnivore)	110	250	Value Decreased
Pesticide	Kepone	143-50-0	SOIL	Bird	American robin (Avian herbivore)	84	180	Value Decreased
Pesticide	Kepone	143-50-0	SOIL	Bird	American robin (Avian omnivore)	17	18	Value Decreased
Pesticide	Kepone	143-50-0	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.31	0.33	Value Decreased
Pesticide	Kepone	143-50-0	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	4	14	Value Decreased
Pesticide	Kepone	143-50-0	SOIL	Mammal	Red fox (Mammalian top carnivore)	2.4	5.1	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Pesticide	Methoxychlor[4,4'-]	72-43-5	SOIL	Bird	American kestrel (Avian intermediate carnivore)	140	160	Value Decreased
Pesticide	Methoxychlor[4,4'-]	72-43-5	SOIL	Bird	American kestrel (Avian top carnivore)	350	1000	Value Decreased
Pesticide	Methoxychlor[4,4'-]	72-43-5	SOIL	Bird	American robin (Avian herbivore)	170	390	Value Decreased
Pesticide	Methoxychlor[4,4'-]	72-43-5	SOIL	Bird	American robin (Avian omnivore)	42	45	Value Decreased
Pesticide	Methoxychlor[4,4'-]	72-43-5	SOIL	Mammal	Deer mouse (Mammalian omnivore)	15	16	Value Decreased
Pesticide	Methoxychlor[4,4'-]	72-43-5	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	170	620	Value Decreased
Pesticide	Methoxychlor[4,4'-]	72-43-5	SOIL	Mammal	Red fox (Mammalian top carnivore)	150	420	Value Decreased
Pesticide	Toxaphene (Technical Grade)	8001-35-2	SOIL	Bird	American kestrel (Avian intermediate carnivore)	61	68	Value Decreased
Pesticide	Toxaphene (Technical Grade)	8001-35-2	SOIL	Bird	American kestrel (Avian top carnivore)	110	180	Value Decreased
Pesticide	Toxaphene (Technical Grade)	8001-35-2	SOIL	Bird	American robin (Avian herbivore)	110	220	Value Decreased
Pesticide	Toxaphene (Technical Grade)	8001-35-2	SOIL	Bird	American robin (Avian omnivore)	20	21	Value Decreased
Pesticide	Toxaphene (Technical Grade)	8001-35-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	30	32	Value Decreased
Pesticide	Toxaphene (Technical Grade)	8001-35-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	470	1700	Value Decreased
Pesticide	Toxaphene (Technical Grade)	8001-35-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	190	320	Value Decreased
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	SOIL	Mammal	Deer mouse (Mammalian omnivore)	260	310	Value Decreased
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	1100	3200	Value Decreased
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	SOIL	Mammal	Red fox (Mammalian top carnivore)	8100	38000	Value Decreased
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	0.25	2.5	Value Decreased
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	SOIL	Mammal	Deer mouse (Mammalian omnivore)	260	310	Value Decreased
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	1300	3800	Value Decreased
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	SOIL	Mammal	Red fox (Mammalian top carnivore)	7100	34000	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	SOIL	Mammal	Deer mouse (Mammalian omnivore)	390	4300	Value Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	2700	93000	Value Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	SOIL	Mammal	Red fox (Mammalian top carnivore)	6400	280000	Value Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	220	2200	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	SOIL	Mammal	Deer mouse (Mammalian omnivore)	4.8	6.7	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	11	410	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	SOIL	Mammal	Red fox (Mammalian top carnivore)	28	43	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	3	3.3	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	SOIL	Mammal	Deer mouse (Mammalian omnivore)	18	3.8	Value Increased
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	93	300	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	SOIL	Mammal	Red fox (Mammalian top carnivore)	66	9.3	Value Increased
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	9.7	1.8	Value Increased
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	73	15	Value Increased
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	390	1200	Value Decreased
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	240	29	Value Increased
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	38	7.4	Value Increased
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	990	2600	Value Decreased
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	50	15	Value Increased
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	SOIL	Mammal	Deer mouse (Mammalian omnivore)	110	27	Value Increased
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	710	2200	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	SOIL	Mammal	Red fox (Mammalian top carnivore)	390	53	Value Increased
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	62	13	Value Increased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	SOIL	Mammal	Deer mouse (Mammalian omnivore)	4.1	6.7	Value Decreased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	11	410	Value Decreased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	SOIL	Mammal	Red fox (Mammalian top carnivore)	23	43	Value Decreased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	2.5	3.3	Value Decreased
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	SOIL	Mammal	Deer mouse (Mammalian omnivore)	25	4.7	Value Increased
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	180	480	Value Decreased
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	SOIL	Mammal	Red fox (Mammalian top carnivore)	53	2.9	Value Increased
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	12	2.3	Value Increased
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	SOIL	Mammal	Deer mouse (Mammalian omnivore)	48	52	Value Decreased
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	550	2000	Value Decreased
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	SOIL	Mammal	Red fox (Mammalian top carnivore)	450	1200	Value Decreased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	SOIL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	1.7	500	Value Decreased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	SOIL	Mammal	Deer mouse (Mammalian omnivore)	480	55	Value Increased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	2600	800	Value Increased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	SOIL	Mammal	Red fox (Mammalian top carnivore)	11000	5400	Value Increased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	290	29	Value Increased
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	SOIL	Mammal	Deer mouse (Mammalian omnivore)	120	25	Value Increased
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	960	2600	Value Decreased
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	SOIL	Mammal	Red fox (Mammalian top carnivore)	260	17	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Increased
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	62	12	Value Increased
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	SOIL	Mammal	Deer mouse (Mammalian omnivore)	9.1	11	Value Decreased
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	38	100	Value Decreased
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	SOIL	Mammal	Red fox (Mammalian top carnivore)	300	1400	Value Decreased
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	5.9	6	Value Decreased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	SOIL	Bird	American kestrel (Avian top carnivore)	12	62	Value Decreased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	SOIL	Bird	American robin (Avian herbivore)	0.34	0.73	Value Decreased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	SOIL	Bird	American robin (Avian omnivore)	0.25	0.31	Value Decreased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	SOIL	Mammal	Deer mouse (Mammalian omnivore)	160	21	Value Increased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	500	110	Value Increased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	SOIL	Mammal	Red fox (Mammalian top carnivore)	9300	3400	Value Increased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	120	12	Value Increased
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	SOIL	Mammal	Deer mouse (Mammalian omnivore)	20	220	Value Decreased
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	140	4800	Value Decreased
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	SOIL	Mammal	Red fox (Mammalian top carnivore)	330	14000	Value Decreased
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	11	110	Value Decreased
Polyaromatic Hydrocarbon	Pyrene	129-00-0	SOIL	Mammal	Deer mouse (Mammalian omnivore)	29	31	Value Decreased
Polyaromatic Hydrocarbon	Pyrene	129-00-0	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	330	1200	Value Decreased
Polyaromatic Hydrocarbon	Pyrene	129-00-0	SOIL	Mammal	Red fox (Mammalian top carnivore)	270	740	Value Decreased
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.047	6.2	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	0.67	80	Value Decreased
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	1.1	670	Value Decreased
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.025	3.2	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	SOIL	Bird	American kestrel (Avian intermediate carnivore)	0.27	3.9	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	SOIL	Bird	American kestrel (Avian top carnivore)	1.5	110	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	SOIL	Bird	American robin (Avian herbivore)	0.45	4.4	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	SOIL	Bird	American robin (Avian insectivore)	0.041	0.54	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	SOIL	Bird	American robin (Avian omnivore)	0.076	0.97	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.12	0.3	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	1.8	3.9	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	SOIL	Mammal	Red fox (Mammalian top carnivore)	3.1	33	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.069	0.16	Value Decreased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	SOIL	Bird	American kestrel (Avian intermediate carnivore)	0.21	0.017	Value Increased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	SOIL	Bird	American kestrel (Avian top carnivore)	0.37	0.04	Value Increased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	SOIL	Bird	American robin (Avian herbivore)	1.1	0.063	Value Increased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	SOIL	Bird	American robin (Avian insectivore)	0.041	0.003	Value Increased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	SOIL	Bird	American robin (Avian omnivore)	0.08	0.0058	Value Increased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.014	0.04	Value Decreased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	0.63	2.3	Value Decreased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	SOIL	Mammal	Red fox (Mammalian top carnivore)	0.082	0.32	Value Decreased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.0072	0.02	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	SOIL	Bird	American kestrel (Avian intermediate carnivore)	0.18	0.79	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	SOIL	Bird	American kestrel (Avian top carnivore)	0.24	0.91	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	SOIL	Bird	American robin (Avian herbivore)	1.4	4.5	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	SOIL	Bird	American robin (Avian insectivore)	0.041	0.19	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	SOIL	Bird	American robin (Avian omnivore)	0.08	0.37	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.044	0.26	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	2.7	20	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	SOIL	Mammal	Red fox (Mammalian top carnivore)	0.16	0.75	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	0.022	0.12	Value Decreased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	SOIL	Bird	American kestrel (Avian intermediate carnivore)	1.9	0.19	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	SOIL	Bird	American kestrel (Avian top carnivore)	2.4	0.2	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	SOIL	Bird	American robin (Avian herbivore)	16	1.2	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	SOIL	Bird	American robin (Avian insectivore)	0.44	0.05	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	SOIL	Bird	American robin (Avian omnivore)	0.86	0.096	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	SOIL	Mammal	Deer mouse (Mammalian omnivore)	10	0.15	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	640	12	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	SOIL	Mammal	Red fox (Mammalian top carnivore)	35	0.37	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	5	0.075	Value Increased
Semivolatile Organic compound	Benzoic Acid	65-85-0	SOIL	Mammal	Deer mouse (Mammalian omnivore)	7.2	8.2	Value Decreased
Semivolatile Organic compound	Benzoic Acid	65-85-0	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	10	13	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Semivolatile Organic compound	Benzoic Acid	65-85-0	SOIL	Mammal	Red fox (Mammalian top carnivore)	1800	2900	Value Decreased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	SOIL	Bird	American kestrel (Avian intermediate carnivore)	2.4	0.45	Value Increased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	SOIL	Bird	American kestrel (Avian top carnivore)	1.8	0.24	Value Increased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	SOIL	Bird	American robin (Avian herbivore)	23	30	Value Decreased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	3500	7300	Value Decreased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	SOIL	Mammal	Red fox (Mammalian top carnivore)	68	8.7	Value Increased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	30	29	Value Increased
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	SOIL	Mammal	Deer mouse (Mammalian omnivore)	620	680	Value Decreased
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	5600	19000	Value Decreased
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	SOIL	Mammal	Red fox (Mammalian top carnivore)	7600	27000	Value Decreased
Semivolatile Organic compound	Chlorobenzene	108-90-7	SOIL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	2.4	24	Value Decreased
Semivolatile Organic compound	Chlorobenzene	108-90-7	SOIL	Mammal	Deer mouse (Mammalian omnivore)	170	220	Value Decreased
Semivolatile Organic compound	Chlorobenzene	108-90-7	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	390	720	Value Decreased
Semivolatile Organic compound	Chlorobenzene	108-90-7	SOIL	Mammal	Red fox (Mammalian top carnivore)	16000	43000	Value Decreased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	SOIL	Bird	American kestrel (Avian intermediate carnivore)	13	130	Value Decreased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	SOIL	Bird	American kestrel (Avian top carnivore)	250	5600	Value Decreased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	SOIL	Bird	American robin (Avian herbivore)	1	13	Value Decreased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	SOIL	Bird	American robin (Avian insectivore)	1.8	18	Value Decreased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	SOIL	Bird	American robin (Avian omnivore)	1.3	15	Value Decreased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	SOIL	Mammal	Deer mouse (Mammalian omnivore)	1	1.2	Value Decreased
Semivolatile Organic	Chlorophenol[2-]	95-57-8	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	1.7	2.4	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
compound								Decreased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	SOIL	Mammal	Red fox (Mammalian top carnivore)	200	360	Value Decreased
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	SOIL	Bird	American kestrel (Avian intermediate carnivore)	1.1	1.2	Value Decreased
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	SOIL	Bird	American kestrel (Avian top carnivore)	3.9	18	Value Decreased
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	SOIL	Bird	American robin (Avian herbivore)	0.9	2.1	Value Decreased
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	SOIL	Bird	American robin (Avian omnivore)	0.29	0.32	Value Decreased
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	2300	2600	Value Decreased
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	17000	59000	Value Decreased
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	36000	150000	Value Decreased
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	SOIL	Mammal	Deer mouse (Mammalian omnivore)	310	330	Value Decreased
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	3800	13000	Value Decreased
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	SOIL	Mammal	Red fox (Mammalian top carnivore)	2600	6100	Value Decreased
Semivolatile Organic compound	Dibenzofuran	132-64-9	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	6.1	61	Value Decreased
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	SOIL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	10	4700	Value Decreased
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	SOIL	Mammal	Deer mouse (Mammalian omnivore)	120	130	Value Decreased
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	170	180	Value Decreased
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	SOIL	Mammal	Red fox (Mammalian top carnivore)	39000	61000	Value Decreased
Semivolatile Organic compound	Nitrobenzene	98-95-3	SOIL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	2.2	22	Value Decreased
Semivolatile Organic compound	Nitrobenzene	98-95-3	SOIL	Mammal	Deer mouse (Mammalian omnivore)	12	14	Value Decreased
Semivolatile Organic compound	Nitrobenzene	98-95-3	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	18	22	Value Decreased
Semivolatile Organic compound	Nitrobenzene	98-95-3	SOIL	Mammal	Red fox (Mammalian top carnivore)	3200	5100	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Semivolatile Organic compound	Nitrobenzene	98-95-3	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	20	21	Value Decreased
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	SOIL	Bird	American kestrel (Avian intermediate carnivore)	55	63	Value Decreased
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	SOIL	Bird	American kestrel (Avian top carnivore)	190	890	Value Decreased
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	SOIL	Bird	American robin (Avian herbivore)	46	110	Value Decreased
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	SOIL	Bird	American robin (Avian insectivore)	8.8	8.9	Value Decreased
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	SOIL	Bird	American robin (Avian omnivore)	14	16	Value Decreased
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	SOIL	Mammal	Deer mouse (Mammalian omnivore)	250	280	Value Decreased
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	1900	6600	Value Decreased
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	SOIL	Mammal	Red fox (Mammalian top carnivore)	3800	16000	Value Decreased
Semivolatile Organic compound	Pentachlorophenol	87-86-5	SOIL	Bird	American kestrel (Avian intermediate carnivore)	23	26	Value Decreased
Semivolatile Organic compound	Pentachlorophenol	87-86-5	SOIL	Bird	American kestrel (Avian top carnivore)	57	160	Value Decreased
Semivolatile Organic compound	Pentachlorophenol	87-86-5	SOIL	Bird	American robin (Avian herbivore)	29	65	Value Decreased
Semivolatile Organic compound	Pentachlorophenol	87-86-5	SOIL	Bird	American robin (Avian omnivore)	6.9	7.4	Value Decreased
Semivolatile Organic compound	Pentachlorophenol	87-86-5	SOIL	Mammal	Deer mouse (Mammalian omnivore)	0.94	1	Value Decreased
Semivolatile Organic compound	Pentachlorophenol	87-86-5	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	10	37	Value Decreased
Semivolatile Organic compound	Pentachlorophenol	87-86-5	SOIL	Mammal	Red fox (Mammalian top carnivore)	9	24	Value Decreased
Semivolatile Organic compound	Pentachlorophenol	87-86-5	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	0.032	0.32	Value Decreased
Semivolatile Organic compound	Phenol	108-95-2	SOIL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	1.8	3900	Value Decreased
Semivolatile Organic compound	Phenol	108-95-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	85	86	Value Decreased
Semivolatile Organic compound	Phenol	108-95-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	28000	44000	Value Decreased
Semivolatile Organic	Phenol	108-95-2	SOIL	Plant	Generic plant (Terrestrial autotroph - producer)	0.79	7.9	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
compound								Decreased
Volatile Organic Compound	Acetone	67-64-1	SOIL	Bird	American kestrel (Avian top carnivore)	5800000	10000000	Value Decreased
Volatile Organic Compound	Acetone	67-64-1	SOIL	Bird	American robin (Avian herbivore)	2200	1000	Value Increased
Volatile Organic Compound	Acetone	67-64-1	SOIL	Bird	American robin (Avian omnivore)	4300	2000	Value Increased
Volatile Organic Compound	Acetone	67-64-1	SOIL	Mammal	Deer mouse (Mammalian omnivore)	3.7	1.8	Value Increased
Volatile Organic Compound	Acetone	67-64-1	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	4.2	2	Value Increased
Volatile Organic Compound	Acetone	67-64-1	SOIL	Mammal	Red fox (Mammalian top carnivore)	4900	7400	Value Decreased
Volatile Organic Compound	Benzene	71-43-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	55	65	Value Decreased
Volatile Organic Compound	Benzene	71-43-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	91	120	Value Decreased
Volatile Organic Compound	Benzene	71-43-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	10000	19000	Value Decreased
Volatile Organic Compound	Benzene	71-43-2	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	77	76	Value Increased
Volatile Organic Compound	Butanone[2-]	78-93-3	SOIL	Mammal	Deer mouse (Mammalian omnivore)	1300	960	Value Increased
Volatile Organic Compound	Butanone[2-]	78-93-3	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	1500	1100	Value Increased
Volatile Organic Compound	Butanone[2-]	78-93-3	SOIL	Mammal	Red fox (Mammalian top carnivore)	860000	1300000	Value Decreased
Volatile Organic Compound	Butanone[2-]	78-93-3	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	6100	6200	Value Decreased
Volatile Organic Compound	Chloroform	67-66-3	SOIL	Mammal	Deer mouse (Mammalian omnivore)	28	32	Value Decreased
Volatile Organic Compound	Chloroform	67-66-3	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	43	53	Value Decreased
Volatile Organic Compound	Chloroform	67-66-3	SOIL	Mammal	Red fox (Mammalian top carnivore)	6700	11000	Value Decreased
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	SOIL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	1.2	12	Value Decreased
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	SOIL	Mammal	Deer mouse (Mammalian omnivore)	850	1000	Value Decreased
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	2600	6200	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	SOIL	Mammal	Red fox (Mammalian top carnivore)	44000	160000	Value Decreased
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	SOIL	Mammal	Deer mouse (Mammalian omnivore)	660	730	Value Decreased
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	970	1100	Value Decreased
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	SOIL	Mammal	Red fox (Mammalian top carnivore)	180000	280000	Value Decreased
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	SOIL	Bird	American kestrel (Avian intermediate carnivore)	3200	4500	Value Decreased
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	SOIL	Bird	American kestrel (Avian top carnivore)	2500	4600	Value Decreased
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	SOIL	Bird	American robin (Avian herbivore)	4.7	4.8	Value Decreased
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	SOIL	Bird	American robin (Avian omnivore)	9.2	9.4	Value Decreased
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	88	91	Value Decreased
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	95	98	Value Decreased
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	23000	36000	Value Decreased
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	SOIL	Mammal	Deer mouse (Mammalian omnivore)	63	76	Value Decreased
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	100	140	Value Decreased
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	SOIL	Mammal	Red fox (Mammalian top carnivore)	12000	22000	Value Decreased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	SOIL	Mammal	Deer mouse (Mammalian omnivore)	81	920	Value Decreased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	120	1400	Value Decreased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	SOIL	Mammal	Red fox (Mammalian top carnivore)	20000	330000	Value Decreased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	SOIL	Mammal	Vagrant shrew (Mammalian insectivore)	130	1300	Value Decreased
Volatile Organic Compound	Methylene Chloride	75-09-2	SOIL	Mammal	Deer mouse (Mammalian omnivore)	7	6.6	Value Increased
Volatile Organic Compound	Methylene Chloride	75-09-2	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	9.2	8.6	Value Increased
Volatile Organic	Methylene Chloride	75-09-2	SOIL	Mammal	Red fox (Mammalian top carnivore)	2800	4300	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Compound								Decreased
Volatile Organic Compound	Tetrachloroethene	127-18-4	SOIL	Mammal	Deer mouse (Mammalian omnivore)	3.7	4.8	Value Decreased
Volatile Organic Compound	Tetrachloroethene	127-18-4	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	7.7	13	Value Decreased
Volatile Organic Compound	Tetrachloroethene	127-18-4	SOIL	Mammal	Red fox (Mammalian top carnivore)	420	1000	Value Decreased
Volatile Organic Compound	Toluene	108-88-3	SOIL	Mammal	Deer mouse (Mammalian omnivore)	72	93	Value Decreased
Volatile Organic Compound	Toluene	108-88-3	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	150	270	Value Decreased
Volatile Organic Compound	Toluene	108-88-3	SOIL	Mammal	Red fox (Mammalian top carnivore)	7500	18000	Value Decreased
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	SOIL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	1.2	12	Value Decreased
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	SOIL	Mammal	Deer mouse (Mammalian omnivore)	5.5	6.5	Value Decreased
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	26	75	Value Decreased
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	SOIL	Mammal	Red fox (Mammalian top carnivore)	150	770	Value Decreased
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	SOIL	Mammal	Deer mouse (Mammalian omnivore)	2500	3100	Value Decreased
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	4600	7400	Value Decreased
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	SOIL	Mammal	Red fox (Mammalian top carnivore)	340000	730000	Value Decreased
Volatile Organic Compound	Trichloroethene	79-01-6	SOIL	Mammal	Deer mouse (Mammalian omnivore)	1.9	2.4	Value Decreased
Volatile Organic Compound	Trichloroethene	79-01-6	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	4	7	Value Decreased
Volatile Organic Compound	Trichloroethene	79-01-6	SOIL	Mammal	Red fox (Mammalian top carnivore)	200	510	Value Decreased
Volatile Organic Compound	Xylene (Total)	1330-20-7	SOIL	Bird	American kestrel (Avian intermediate carnivore)	8	8.3	Value Decreased
Volatile Organic Compound	Xylene (Total)	1330-20-7	SOIL	Bird	American kestrel (Avian top carnivore)	82	360	Value Decreased
Volatile Organic Compound	Xylene (Total)	1330-20-7	SOIL	Bird	American robin (Avian herbivore)	1.7	3.4	Value Decreased
Volatile Organic Compound	Xylene (Total)	1330-20-7	SOIL	Bird	American robin (Avian omnivore)	1.3	1.7	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Volatile Organic Compound	Xylene (Total)	1330-20-7	SOIL	Mammal	Deer mouse (Mammalian omnivore)	6.8	8.6	Value Decreased
Volatile Organic Compound	Xylene (Total)	1330-20-7	SOIL	Mammal	Desert cottontail (Mammalian herbivore)	18	39	Value Decreased
Volatile Organic Compound	Xylene (Total)	1330-20-7	SOIL	Mammal	Red fox (Mammalian top carnivore)	440	1400	Value Decreased
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	WATER	Mammal	Occult little brown myotis bat (water)	12000	11000	Value Increased
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	WATER	Mammal	Vagrant shrew (water)	8600	8500	Value Increased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	WATER	Mammal	Deer mouse (water)	570	590	Value Decreased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	WATER	Mammal	Occult little brown myotis bat (water)	690	710	Value Decreased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	WATER	Mammal	Red fox (water)	1200	1300	Value Decreased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	WATER	Mammal	Vagrant shrew (water)	490	500	Value Decreased
High Explosive	Nitrotoluene[3-]	99-08-1	WATER	Mammal	Vagrant shrew (water)	9600	9800	Value Decreased
High Explosive	Nitrotoluene[4-]	99-99-0	WATER	Mammal	Deer mouse (water)	20000	21000	Value Decreased
High Explosive	Nitrotoluene[4-]	99-99-0	WATER	Mammal	Desert cottontail (water)	40000	41000	Value Decreased
High Explosive	Nitrotoluene[4-]	99-99-0	WATER	Mammal	Occult little brown myotis bat (water)	24000	25000	Value Decreased
High Explosive	Nitrotoluene[4-]	99-99-0	WATER	Mammal	Red fox (water)	45000	46000	Value Decreased
High Explosive	PETN	78-11-5	WATER	Mammal	Deer mouse (water)	30000000	31000000	Value Decreased
High Explosive	PETN	78-11-5	WATER	Mammal	Occult little brown myotis bat (water)	36000000	37000000	Value Decreased
Inorganic Compound	Antimony	SB	WATER	Mammal	Deer mouse (water)	650	680	Value Decreased
Inorganic Compound	Antimony	SB	WATER	Mammal	Desert cottontail (water)	1200	1300	Value Decreased
Inorganic Compound	Antimony	SB	WATER	Mammal	Occult little brown myotis bat (water)	780	810	Value Decreased
Inorganic Compound	Antimony	SB	WATER	Mammal	Red fox (water)	1400	1500	Value Decreased
Inorganic Compound	Antimony	SB	WATER	Mammal	Vagrant shrew (water)	560	580	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Decreased
Inorganic Compound	Arsenic	AS	WATER	Mammal	Deer mouse (water)	660	680	Value Decreased
Inorganic Compound	Arsenic	AS	WATER	Mammal	Desert cottontail (water)	1200	1300	Value Decreased
Inorganic Compound	Arsenic	AS	WATER	Mammal	Occult little brown myotis bat (water)	790	810	Value Decreased
Inorganic Compound	Arsenic	AS	WATER	Mammal	Red fox (water)	1400	1500	Value Decreased
Inorganic Compound	Arsenic	AS	WATER	Mammal	Vagrant shrew (water)	560	580	Value Decreased
Inorganic Compound	Barium	BA	WATER	Bird	American kestrel (water)	760000	100000	Value Increased
Inorganic Compound	Barium	BA	WATER	Bird	American robin (water)	650000	90000	Value Increased
Inorganic Compound	Barium	BA	WATER	Bird	Violet-green Swallow (water)	380000	52000	Value Increased
Inorganic Compound	Barium	BA	WATER	Mammal	Desert cottontail (water)	5500	5600	Value Decreased
Inorganic Compound	Barium	BA	WATER	Mammal	Occult little brown myotis bat (water)	3300	3400	Value Decreased
Inorganic Compound	Barium	BA	WATER	Mammal	Red fox (water)	6200	6300	Value Decreased
Inorganic Compound	Cadmium	CD	WATER	Aquatic	Aquatic community organisms - water	0.15	1.3	Value Decreased
Inorganic Compound	Chromium (total)	CR	WATER	Aquatic	Aquatic community organisms - water	77	11	Value Increased
Inorganic Compound	Chromium (total)	CR	WATER	Bird	American kestrel (water)	220000	640000	Value Decreased
Inorganic Compound	Chromium (total)	CR	WATER	Bird	American robin (water)	190000	550000	Value Decreased
Inorganic Compound	Chromium (total)	CR	WATER	Bird	Violet-green Swallow (water)	100000	310000	Value Decreased
Inorganic Compound	Chromium (total)	CR	WATER	Mammal	Deer mouse (water)	120000	10000000	Value Decreased
Inorganic Compound	Chromium (total)	CR	WATER	Mammal	Desert cottontail (water)	230000	19000000	Value Decreased
Inorganic Compound	Chromium (total)	CR	WATER	Mammal	Occult little brown myotis bat (water)	140000	11000000	Value Decreased
Inorganic Compound	Chromium (total)	CR	WATER	Mammal	Red fox (water)	260000	22000000	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Inorganic Compound	Chromium (total)	CR	WATER	Mammal	Vagrant shrew (water)	100000	8500000	Value Decreased
Inorganic Compound	Chromium(+6)	CR(+6)	WATER	Mammal	Desert cottontail (water)	33000	34000	Value Decreased
Inorganic Compound	Cobalt	CO	WATER	Mammal	Deer mouse (water)	100	1000	Value Decreased
Inorganic Compound	Cobalt	CO	WATER	Mammal	Desert cottontail (water)	200	2000	Value Decreased
Inorganic Compound	Cobalt	CO	WATER	Mammal	Occult little brown myotis bat (water)	120	1200	Value Decreased
Inorganic Compound	Cobalt	CO	WATER	Mammal	Red fox (water)	230	2300	Value Decreased
Inorganic Compound	Cobalt	CO	WATER	Mammal	Vagrant shrew (water)	89	890	Value Decreased
Inorganic Compound	Copper	CU	WATER	Mammal	Deer mouse (water)	61000	63000	Value Decreased
Inorganic Compound	Copper	CU	WATER	Mammal	Occult little brown myotis bat (water)	73000	75000	Value Decreased
Inorganic Compound	Copper	CU	WATER	Mammal	Vagrant shrew (water)	52000	53000	Value Decreased
Inorganic Compound	Cyanide (total)	CN(-1)	WATER	Mammal	Desert cottontail (water)	700000	710000	Value Decreased
Inorganic Compound	Cyanide (total)	CN(-1)	WATER	Mammal	Red fox (water)	790000	800000	Value Decreased
Inorganic Compound	Fluoride	F(-1)	WATER	Bird	American kestrel (water)	100000	65000	Value Increased
Inorganic Compound	Fluoride	F(-1)	WATER	Bird	American robin (water)	87000	55000	Value Increased
Inorganic Compound	Fluoride	F(-1)	WATER	Bird	Violet-green Swallow (water)	50000	32000	Value Increased
Inorganic Compound	Fluoride	F(-1)	WATER	Mammal	Red fox (water)	310000	300000	Value Increased
Inorganic Compound	Fluoride	F(-1)	WATER	Mammal	Vagrant shrew (water)	120000	110000	Value Increased
Inorganic Compound	Lead	PB	WATER	Bird	American kestrel (water)	45000	42000	Value Increased
Inorganic Compound	Lead	PB	WATER	Bird	American robin (water)	39000	36000	Value Increased
Inorganic Compound	Lead	PB	WATER	Bird	Violet-green Swallow (water)	22000	21000	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	WATER	Mammal	Deer mouse (water)	69000	68000	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Increased
Inorganic Compound	Mercury (inorganic)	HGI	WATER	Mammal	Occult little brown myotis bat (water)	83000	81000	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	WATER	Mammal	Vagrant shrew (water)	59000	58000	Value Increased
Inorganic Compound	Silver	AG	WATER	Mammal	Deer mouse (water)	100	10000	Value Decreased
Inorganic Compound	Silver	AG	WATER	Mammal	Desert cottontail (water)	200	20000	Value Decreased
Inorganic Compound	Silver	AG	WATER	Mammal	Occult little brown myotis bat (water)	120	12000	Value Decreased
Inorganic Compound	Silver	AG	WATER	Mammal	Red fox (water)	230	23000	Value Decreased
Inorganic Compound	Silver	AG	WATER	Mammal	Vagrant shrew (water)	89	8900	Value Decreased
Inorganic Compound	Uranium	U	WATER	Bird	American kestrel (water)	65000	69000	Value Decreased
Inorganic Compound	Uranium	U	WATER	Bird	American robin (water)	55000	59000	Value Decreased
Inorganic Compound	Uranium	U	WATER	Bird	Violet-green Swallow (water)	32000	34000	Value Decreased
Inorganic Compound	Zinc	ZN	WATER	Bird	American robin (water)	850000	920000	Value Decreased
Inorganic Compound	Zinc	ZN	WATER	Bird	Violet-green Swallow (water)	490000	530000	Value Decreased
Pesticide	Chlordane[alpha-]	5103-71-9	WATER	Bird	Violet-green Swallow (water)	8800	8600	Value Increased
Pesticide	Chlordane[gamma-]	5103-74-2	WATER	Bird	Violet-green Swallow (water)	8800	8600	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	WATER	Bird	American kestrel (water)	59	18	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	WATER	Bird	American robin (water)	50	16	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	WATER	Bird	Violet-green Swallow (water)	29	9.2	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	WATER	Bird	American kestrel (water)	59	23	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	WATER	Bird	American robin (water)	50	20	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	WATER	Bird	Violet-green Swallow (water)	29	11	Value Increased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Pesticide	DDT[4,4'-]	50-29-3	WATER	Mammal	Deer mouse (water)	8400	4200	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	WATER	Mammal	Desert cottontail (water)	16000	8200	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	WATER	Mammal	Occult little brown myotis bat (water)	10000	5000	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	WATER	Mammal	Red fox (water)	18000	9300	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	WATER	Mammal	Vagrant shrew (water)	7100	3500	Value Increased
Pesticide	Endosulfan	115-29-7	WATER	Mammal	Deer mouse (water)	780	7800	Value Decreased
Pesticide	Endosulfan	115-29-7	WATER	Mammal	Desert cottontail (water)	1500	15000	Value Decreased
Pesticide	Endosulfan	115-29-7	WATER	Mammal	Occult little brown myotis bat (water)	940	9400	Value Decreased
Pesticide	Endosulfan	115-29-7	WATER	Mammal	Red fox (water)	1700	17000	Value Decreased
Pesticide	Endosulfan	115-29-7	WATER	Mammal	Vagrant shrew (water)	670	6700	Value Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	WATER	Mammal	Deer mouse (water)	520000	5200000	Value Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	WATER	Mammal	Desert cottontail (water)	1000000	10000000	Value Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	WATER	Mammal	Occult little brown myotis bat (water)	620000	6200000	Value Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	WATER	Mammal	Red fox (water)	1100000	11000000	Value Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	WATER	Mammal	Vagrant shrew (water)	440000	4400000	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	WATER	Mammal	Deer mouse (water)	890	8900	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	WATER	Mammal	Desert cottontail (water)	1700	17000	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	WATER	Mammal	Occult little brown myotis bat (water)	1000	10000	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	WATER	Mammal	Red fox (water)	1900	19000	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	WATER	Mammal	Vagrant shrew (water)	760	7600	Value Decreased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	WATER	Mammal	Deer mouse (water)	890	8900	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Decreased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	WATER	Mammal	Desert cottontail (water)	1700	17000	Value Decreased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	WATER	Mammal	Occult little brown myotis bat (water)	1000	10000	Value Decreased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	WATER	Mammal	Red fox (water)	1900	19000	Value Decreased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	WATER	Mammal	Vagrant shrew (water)	760	7600	Value Decreased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	WATER	Mammal	Deer mouse (water)	650000	65000	Value Increased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	WATER	Mammal	Desert cottontail (water)	1200000	120000	Value Increased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	WATER	Mammal	Occult little brown myotis bat (water)	780000	78000	Value Increased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	WATER	Mammal	Red fox (water)	1400000	140000	Value Increased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	WATER	Mammal	Vagrant shrew (water)	560000	56000	Value Increased
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	WATER	Mammal	Deer mouse (water)	12000	13000	Value Decreased
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	WATER	Mammal	Red fox (water)	28000	29000	Value Decreased
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	WATER	Mammal	Vagrant shrew (water)	10000	11000	Value Decreased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	WATER	Mammal	Deer mouse (water)	260000	26000	Value Increased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	WATER	Mammal	Desert cottontail (water)	510000	51000	Value Increased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	WATER	Mammal	Occult little brown myotis bat (water)	310000	31000	Value Increased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	WATER	Mammal	Red fox (water)	580000	58000	Value Increased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	WATER	Mammal	Vagrant shrew (water)	220000	22000	Value Increased
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	WATER	Mammal	Deer mouse (water)	27000	270000	Value Decreased
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	WATER	Mammal	Desert cottontail (water)	52000	520000	Value Decreased
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	WATER	Mammal	Occult little brown myotis bat (water)	32000	320000	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	WATER	Mammal	Red fox (water)	59000	590000	Value Decreased
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	WATER	Mammal	Vagrant shrew (water)	23000	230000	Value Decreased
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	WATER	Mammal	Deer mouse (water)	180	7300	Value Decreased
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	WATER	Mammal	Desert cottontail (water)	360	14000	Value Decreased
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	WATER	Mammal	Occult little brown myotis bat (water)	220	8800	Value Decreased
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	WATER	Mammal	Red fox (water)	400	16000	Value Decreased
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	WATER	Mammal	Vagrant shrew (water)	150	6200	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	WATER	Bird	American kestrel (water)	830	3400	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	WATER	Bird	American robin (water)	710	2900	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	WATER	Bird	Violet-green Swallow (water)	410	1600	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	WATER	Mammal	Deer mouse (water)	490	360	Value Increased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	WATER	Mammal	Desert cottontail (water)	960	710	Value Increased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	WATER	Mammal	Occult little brown myotis bat (water)	590	430	Value Increased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	WATER	Mammal	Red fox (water)	1000	800	Value Increased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	WATER	Mammal	Vagrant shrew (water)	420	300	Value Increased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	WATER	Bird	American kestrel (water)	830	22	Value Increased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	WATER	Bird	American robin (water)	710	19	Value Increased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	WATER	Bird	Violet-green Swallow (water)	410	11	Value Increased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	WATER	Bird	American kestrel (water)	830	1500	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	WATER	Bird	American robin (water)	710	1200	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	WATER	Bird	Violet-green Swallow (water)	410	740	Value

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
								Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	WATER	Mammal	Deer mouse (water)	160	350	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	WATER	Mammal	Desert cottontail (water)	310	700	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	WATER	Mammal	Occult little brown myotis bat (water)	190	420	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	WATER	Mammal	Red fox (water)	360	790	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	WATER	Mammal	Vagrant shrew (water)	130	300	Value Decreased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	WATER	Bird	American kestrel (water)	8900	390	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	WATER	Bird	American robin (water)	7600	330	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	WATER	Bird	Violet-green Swallow (water)	4400	190	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	WATER	Mammal	Deer mouse (water)	36000	210	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	WATER	Mammal	Desert cottontail (water)	71000	410	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	WATER	Mammal	Occult little brown myotis bat (water)	43000	250	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	WATER	Mammal	Red fox (water)	80000	460	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	WATER	Mammal	Vagrant shrew (water)	30000	170	Value Increased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	WATER	Mammal	Deer mouse (water)	96000	94000	Value Increased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	WATER	Mammal	Red fox (water)	210000	200000	Value Increased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	WATER	Mammal	Vagrant shrew (water)	82000	80000	Value Increased
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	WATER	Aquatic	Aquatic community organisms - water	22	19	Value Increased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	WATER	Bird	American kestrel (water)	9400	94000	Value Decreased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	WATER	Bird	American robin (water)	8000	80000	Value Decreased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	WATER	Bird	Violet-green Swallow (water)	4600	46000	Value Decreased

Analyte Group	Analyte Name	Analyte Code	ESL Medium	Receptor Group	Receptor	New ESL	Old ESL	Comment
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	WATER	Aquatic	Aquatic community organisms - water	330	210	Value Increased
Semivolatile Organic compound	Nitrobenzene	98-95-3	WATER	Mammal	Desert cottontail (water)	71000	72000	Value Decreased
Semivolatile Organic compound	Nitrobenzene	98-95-3	WATER	Mammal	Occult little brown myotis bat (water)	43000	44000	Value Decreased
Semivolatile Organic compound	Nitrobenzene	98-95-3	WATER	Mammal	Red fox (water)	80000	81000	Value Decreased
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	WATER	Bird	American kestrel (water)	58000	59000	Value Decreased
Volatile Organic Compound	Acetone	67-64-1	WATER	Bird	Violet-green Swallow (water)	83000000	82000000	Value Increased
Volatile Organic Compound	Benzene	71-43-2	WATER	Mammal	Desert cottontail (water)	270000	260000	Value Increased
Volatile Organic Compound	Butanone[2-]	78-93-3	WATER	Mammal	Deer mouse (water)	9300000	9400000	Value Decreased
Volatile Organic Compound	Butanone[2-]	78-93-3	WATER	Mammal	Vagrant shrew (water)	7900000	8000000	Value Decreased
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	WATER	Aquatic	Aquatic community organisms - water	15	14	Value Increased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	WATER	Mammal	Deer mouse (water)	230000	2300000	Value Decreased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	WATER	Mammal	Desert cottontail (water)	460000	4600000	Value Decreased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	WATER	Mammal	Occult little brown myotis bat (water)	280000	2800000	Value Decreased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	WATER	Mammal	Red fox (water)	520000	5200000	Value Decreased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	WATER	Mammal	Vagrant shrew (water)	200000	2000000	Value Decreased
Volatile Organic Compound	Methylene Chloride	75-09-2	WATER	Mammal	Deer mouse (water)	30000	31000	Value Decreased
Volatile Organic Compound	Methylene Chloride	75-09-2	WATER	Mammal	Occult little brown myotis bat (water)	36000	37000	Value Decreased

- **Final ESL Changes (Not Reported)**

- **New TRVs**

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	Comment
Inorganic Compound	Chromium (total)	CR	Invertebrate	SOIL	1.4		mg/kg	New Value
Pesticide	DDT[4,4'-]	50-29-3	Plant	SOIL	3.7		mg/kg	New Value
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	Aquatic (water)	WATER	196		ug/L	New Value

- **Updated TRVs**

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	Comment
Inorganic Compound	Arsenic	AS	Mammal	SOIL	0.126	0.13	mg/kg/d	Value Decreased
Inorganic Compound	Arsenic	AS	Mammal	WATER	0.126	0.13	mg/kg/d	Value Decreased
Inorganic Compound	Barium	BA	Bird	SEDIMENT	92	12.6	mg/kg/d	Value Increased
Inorganic Compound	Barium	BA	Bird	SOIL	92	12.6	mg/kg/d	Value Increased
Inorganic Compound	Barium	BA	Bird	WATER	92	12.6	mg/kg/d	Value Increased
Inorganic Compound	Barium	BA	Mammal	SEDIMENT	0.54	0.55	mg/kg/d	Value Decreased
Inorganic Compound	Barium	BA	Mammal	SOIL	0.54	0.55	mg/kg/d	Value Decreased
Inorganic Compound	Barium	BA	Mammal	WATER	0.54	0.55	mg/kg/d	Value Decreased
Inorganic Compound	Beryllium	BE	Plant	SOIL	2.5	1	mg/kg	Value Increased
Inorganic Compound	Boron	B	Bird	SEDIMENT	46.5	46.3	mg/kg/d	Value Increased
Inorganic Compound	Boron	B	Bird	SOIL	46.5	46.3	mg/kg/d	Value Increased
Inorganic Compound	Boron	B	Bird	WATER	46.5	46.3	mg/kg/d	Value Increased
Inorganic Compound	Boron	B	Plant	SOIL	10	5.7	mg/kg	Value Increased
Inorganic Compound	Cadmium	CD	Aquatic (water)	WATER	0.15	1.3	µg/L	Value Decreased
Inorganic Compound	Cadmium	CD	Invertebrate	SOIL	0.1	10	mg/kg	Value Decreased
Inorganic Compound	Chromium (total)	CR	Aquatic (water)	WATER	77	11	µg/L	Value Increased
Inorganic Compound	Chromium (total)	CR	Bird	SEDIMENT	26.6	77	mg/kg/d	Value Decreased
Inorganic Compound	Chromium (total)	CR	Bird	SOIL	26.6	77	mg/kg/d	Value Decreased
Inorganic Compound	Chromium (total)	CR	Bird	WATER	26.6	77	mg/kg/d	Value Decreased
Inorganic Compound	Chromium (total)	CR	Mammal	SEDIMENT	22.96	1900	mg/kg/d	Value Decreased
Inorganic Compound	Chromium (total)	CR	Mammal	SOIL	22.96	1900	mg/kg/d	Value Decreased
Inorganic Compound	Chromium (total)	CR	Mammal	WATER	22.96	1900	mg/kg/d	Value Decreased
Inorganic Compound	Chromium (total)	CR	Plant	SOIL	2.45	3.1	mg/kg	Value Decreased
Inorganic Compound	Chromium(+6)	CR(+6)	Aquatic (sediment)	SEDIMENT	8	56	mg/kg	Value Decreased
Inorganic Compound	Chromium(+6)	CR(+6)	Invertebrate	SOIL	0.2	10	mg/kg	Value Decreased
Inorganic Compound	Chromium(+6)	CR(+6)	Mammal	SEDIMENT	3.28	3.3	mg/kg/d	Value Decreased
Inorganic Compound	Chromium(+6)	CR(+6)	Mammal	SOIL	3.28	3.3	mg/kg/d	Value Decreased
Inorganic Compound	Chromium(+6)	CR(+6)	Mammal	WATER	3.28	3.3	mg/kg/d	Value Decreased
Inorganic Compound	Cobalt	CO	Mammal	SEDIMENT	0.02	0.2	mg/kg/d	Value Decreased
Inorganic Compound	Cobalt	CO	Mammal	SOIL	0.02	0.2	mg/kg/d	Value Decreased

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	Comment
Inorganic Compound	Cobalt	CO	Mammal	WATER	0.02	0.2	mg/kg/d	Value Decreased
Inorganic Compound	Cobalt	CO	Plant	SOIL	0.25	2.5	mg/kg	Value Decreased
Inorganic Compound	Copper	CU	Mammal	SEDIMENT	11.7	12	mg/kg/d	Value Decreased
Inorganic Compound	Copper	CU	Mammal	SOIL	11.7	12	mg/kg/d	Value Decreased
Inorganic Compound	Copper	CU	Mammal	WATER	11.7	12	mg/kg/d	Value Decreased
Inorganic Compound	Copper	CU	Plant	SOIL	10	100	mg/kg	Value Decreased
Inorganic Compound	Cyanide (total)	CN(-1)	Mammal	SEDIMENT	68.7	69	mg/kg/d	Value Decreased
Inorganic Compound	Cyanide (total)	CN(-1)	Mammal	SOIL	68.7	69	mg/kg/d	Value Decreased
Inorganic Compound	Cyanide (total)	CN(-1)	Mammal	WATER	68.7	69	mg/kg/d	Value Decreased
Inorganic Compound	Fluoride	F(-1)	Bird	SEDIMENT	12.2	7.8	mg/kg/d	Value Increased
Inorganic Compound	Fluoride	F(-1)	Bird	SOIL	12.2	7.8	mg/kg/d	Value Increased
Inorganic Compound	Fluoride	F(-1)	Bird	WATER	12.2	7.8	mg/kg/d	Value Increased
Inorganic Compound	Fluoride	F(-1)	Mammal	SEDIMENT	27	26.6	mg/kg/d	Value Increased
Inorganic Compound	Fluoride	F(-1)	Mammal	SOIL	27	26.6	mg/kg/d	Value Increased
Inorganic Compound	Fluoride	F(-1)	Mammal	WATER	27	26.6	mg/kg/d	Value Increased
Inorganic Compound	Lead	PB	Bird	SEDIMENT	5.51	5.1	mg/kg/d	Value Increased
Inorganic Compound	Lead	PB	Bird	SOIL	5.51	5.1	mg/kg/d	Value Increased
Inorganic Compound	Lead	PB	Bird	WATER	5.51	5.1	mg/kg/d	Value Increased
Inorganic Compound	Lead	PB	Mammal	SEDIMENT	5.81	5.8	mg/kg/d	Value Increased
Inorganic Compound	Lead	PB	Mammal	SOIL	5.81	5.8	mg/kg/d	Value Increased
Inorganic Compound	Lead	PB	Mammal	WATER	5.81	5.8	mg/kg/d	Value Increased
Inorganic Compound	Manganese	MN	Plant	SOIL	50	5	mg/kg	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	Mammal	SEDIMENT	13.2	13	mg/kg/d	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	Mammal	SOIL	13.2	13	mg/kg/d	Value Increased
Inorganic Compound	Mercury (inorganic)	HGI	Mammal	WATER	13.2	13	mg/kg/d	Value Increased
Inorganic Compound	Selenium	SE	Plant	SOIL	0.1	0.5	mg/kg	Value Decreased
Inorganic Compound	Silver	AG	Mammal	SEDIMENT	0.02	2	mg/kg-d	Value Decreased
Inorganic Compound	Silver	AG	Mammal	SOIL	0.02	2	mg/kg-d	Value Decreased
Inorganic Compound	Silver	AG	Mammal	WATER	0.02	2	mg/kg-d	Value Decreased
Inorganic Compound	Uranium	U	Bird	SEDIMENT	7.8	8.3	mg/kg/d	Value Decreased
Inorganic Compound	Uranium	U	Bird	SOIL	7.8	8.3	mg/kg/d	Value Decreased
Inorganic Compound	Uranium	U	Bird	WATER	7.8	8.3	mg/kg/d	Value Decreased
Inorganic Compound	Uranium	U	Plant	SOIL	25	5	mg/kg	Value Increased
Inorganic Compound	Vanadium	V	Plant	SOIL	0.025	0.25	mg/kg	Value Decreased
Inorganic Compound	Zinc	ZN	Bird	SEDIMENT	120	129	mg/kg/d	Value Decreased
Inorganic Compound	Zinc	ZN	Bird	SOIL	120	129	mg/kg/d	Value Decreased
Inorganic Compound	Zinc	ZN	Bird	WATER	120	129	mg/kg/d	Value Decreased

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	Comment
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	Plant	SOIL	0.25	2.5	mg/kg	Value Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	Mammal	SEDIMENT	100	1000	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	Mammal	SOIL	100	1000	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Anthracene	120-12-7	Mammal	WATER	100	1000	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	Mammal	SEDIMENT	0.17	1.7	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	Mammal	SOIL	0.17	1.7	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	Mammal	WATER	0.17	1.7	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	Mammal	SEDIMENT	0.17	1.7	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	Mammal	SOIL	0.17	1.7	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Chrysene	218-01-9	Mammal	WATER	0.17	1.7	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	Mammal	SEDIMENT	1.33	1.43	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	Mammal	SOIL	1.33	1.43	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	Mammal	WATER	1.33	1.43	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	Invertebrate	SOIL	1.7	500	mg/kg	Value Decreased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	Mammal	SEDIMENT	125	12.5	mg/kg/d	Value Increased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	Mammal	SOIL	125	12.5	mg/kg/d	Value Increased
Polyaromatic Hydrocarbon	Fluorene	86-73-7	Mammal	WATER	125	12.5	mg/kg/d	Value Increased
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	Mammal	SEDIMENT	2.45	2.5	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	Mammal	SOIL	2.45	2.5	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	Mammal	WATER	2.45	2.5	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	Mammal	SEDIMENT	50	5	mg/kg/d	Value Increased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	Mammal	SOIL	50	5	mg/kg/d	Value Increased
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	Mammal	WATER	50	5	mg/kg/d	Value Increased
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	Mammal	SEDIMENT	5.14	51.4	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	Mammal	SOIL	5.14	51.4	mg/kg/d	Value Decreased
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	Mammal	WATER	5.14	51.4	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	Mammal	SEDIMENT	0.035	1.4	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	Mammal	SOIL	0.035	1.4	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	Mammal	WATER	0.035	1.4	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	Bird	SEDIMENT	0.1	0.41	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	Bird	SOIL	0.1	0.41	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	Bird	WATER	0.1	0.41	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	Mammal	SEDIMENT	0.094	0.069	mg/kg/d	Value Increased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	Mammal	SOIL	0.094	0.069	mg/kg/d	Value Increased
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	Mammal	WATER	0.094	0.069	mg/kg/d	Value Increased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	Bird	SEDIMENT	0.1	0.00272	mg/kg/d	Value Increased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	Bird	SOIL	0.1	0.00272	mg/kg/d	Value Increased

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	Comment
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	Bird	WATER	0.1	0.00272	mg/kg/d	Value Increased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	Mammal	SEDIMENT	0.0099	0.01	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	Mammal	SOIL	0.0099	0.01	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	Mammal	WATER	0.0099	0.01	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Bird	SEDIMENT	0.1	0.18	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Bird	SOIL	0.1	0.18	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Bird	WATER	0.1	0.18	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Mammal	SEDIMENT	0.031	0.068	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Mammal	SOIL	0.031	0.068	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Mammal	WATER	0.031	0.068	mg/kg/d	Value Decreased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	Bird	SEDIMENT	1.07	0.047	mg/kg/d	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	Bird	SOIL	1.07	0.047	mg/kg/d	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	Bird	WATER	1.07	0.047	mg/kg/d	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	Mammal	SEDIMENT	6.9	0.04	mg/kg/d	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	Mammal	SOIL	6.9	0.04	mg/kg/d	Value Increased
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	Mammal	WATER	6.9	0.04	mg/kg/d	Value Increased
Pesticide	Chlordane[alpha-]	5103-71-9	Bird	SEDIMENT	2.14	2.1	mg/kg/d	Value Increased
Pesticide	Chlordane[alpha-]	5103-71-9	Bird	SOIL	2.14	2.1	mg/kg/d	Value Increased
Pesticide	Chlordane[alpha-]	5103-71-9	Bird	WATER	2.14	2.1	mg/kg/d	Value Increased
Pesticide	Chlordane[gamma-]	5103-74-2	Bird	SEDIMENT	2.14	2.1	mg/kg/d	Value Increased
Pesticide	Chlordane[gamma-]	5103-74-2	Bird	SOIL	2.14	2.1	mg/kg/d	Value Increased
Pesticide	Chlordane[gamma-]	5103-74-2	Bird	WATER	2.14	2.1	mg/kg/d	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	Bird	SEDIMENT	0.0071	0.00224	mg/kg/d	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	Bird	SOIL	0.0071	0.00224	mg/kg/d	Value Increased
Pesticide	DDE[4,4'-]	72-55-9	Bird	WATER	0.0071	0.00224	mg/kg/d	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	Bird	SEDIMENT	0.0071	0.0028	mg/kg/d	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	Bird	SOIL	0.0071	0.0028	mg/kg/kd	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	Bird	WATER	0.0071	0.0028	mg/kg/d	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	Mammal	SEDIMENT	1.6	0.8	mg/kg/d	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	Mammal	SOIL	1.6	0.8	mg/kg/d	Value Increased
Pesticide	DDT[4,4'-]	50-29-3	Mammal	WATER	1.6	0.8	mg/kg/d	Value Increased
Pesticide	Endosulfan	115-29-7	Mammal	SEDIMENT	0.15	1.5	mg/kg/d	Value Decreased
Pesticide	Endosulfan	115-29-7	Mammal	SOIL	0.15	1.5	mg/kg/d	Value Decreased
Pesticide	Endosulfan	115-29-7	Mammal	WATER	0.15	1.5	mg/kg/d	Value Decreased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	SEDIMENT	18.3	18	mg/kg/d	Value Increased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	SOIL	18.3	18	mg/kg/d	Value Increased
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	WATER	18.3	18	mg/kg/d	Value Increased

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	Comment
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	Aquatic (sediment)	SEDIMENT	13	11	mg/kg	Value Increased
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	Aquatic (water)	WATER	22	19	µg/L	Value Increased
Semivolatile Organic compound	Chlorobenzene	108-90-7	Invertebrate	SOIL	2.4	24	mg/kg	Value Decreased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	Bird	SEDIMENT	1.13	11.3	mg/kg/d	Value Decreased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	Bird	SOIL	1.13	11.3	mg/kg/d	Value Decreased
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	Bird	WATER	1.13	11.3	mg/kg/d	Value Decreased
Semivolatile Organic compound	Dibenzofuran	132-64-9	Plant	SOIL	6.17	61.7	mg/kg	Value Decreased
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	Aquatic (water)	WATER	330	210	µg/L	Value Increased
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	Invertebrate	SOIL	10.64	4720	mg/kg	Value Decreased
Semivolatile Organic compound	Nitrobenzene	98-95-3	Invertebrate	SOIL	2.26	22.6	mg/kg	Value Decreased
Semivolatile Organic compound	Nitrobenzene	98-95-3	Mammal	SEDIMENT	6.95	7	mg/kg/d	Value Decreased
Semivolatile Organic compound	Nitrobenzene	98-95-3	Mammal	SOIL	6.95	7	mg/kg/d	Value Decreased
Semivolatile Organic compound	Nitrobenzene	98-95-3	Mammal	WATER	6.95	7	mg/kg/d	Value Decreased
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	Bird	SEDIMENT	7.07	7.1	mg/kg/d	Value Decreased
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	Bird	SOIL	7.07	7.1	mg/kg/d	Value Decreased
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	Bird	WATER	7.07	7.1	mg/kg/d	Value Decreased
Semivolatile Organic compound	Pentachlorophenol	87-86-5	Plant	SOIL	0.032	0.32	mg/kg	Value Decreased
Semivolatile Organic compound	Phenol	108-95-2	Invertebrate	SOIL	1.88	3900	mg/kg	Value Decreased
Semivolatile Organic compound	Phenol	108-95-2	Plant	SOIL	0.79	7.9	mg/kg	Value Decreased
Volatile Organic Compound	Acetone	67-64-1	Bird	SEDIMENT	20089	19900	mg/kg/d	Value Increased
Volatile Organic Compound	Acetone	67-64-1	Bird	SOIL	20089	19900	mg/kg/d	Value Increased
Volatile Organic Compound	Acetone	67-64-1	Bird	WATER	20089	19900	mg/kg/d	Value Increased
Volatile Organic Compound	Benzene	71-43-2	Mammal	SEDIMENT	26.36	26	mg/kg/d	Value Increased
Volatile Organic Compound	Benzene	71-43-2	Mammal	SOIL	26.36	26	mg/kg/d	Value Increased
Volatile Organic Compound	Benzene	71-43-2	Mammal	WATER	26.36	26	mg/kg/d	Value Increased
Volatile Organic Compound	Butanone[2-]	78-93-3	Mammal	SEDIMENT	1771	1800	mg/kg/d	Value Decreased
Volatile Organic Compound	Butanone[2-]	78-93-3	Mammal	SOIL	1771	1800	mg/kg/d	Value Decreased
Volatile Organic Compound	Butanone[2-]	78-93-3	Mammal	WATER	1771	1800	mg/kg/d	Value Decreased
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	Aquatic (sediment)	SEDIMENT	0.35	0.32	mg/kg	Value Increased
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	Aquatic (water)	WATER	15	14	µg/L	Value Increased
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	Invertebrate	SOIL	1.28	12.8	mg/kg	Value Decreased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	SEDIMENT	45	452	mg/kg/d	Value Decreased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	SOIL	45	452	mg/kg/d	Value Decreased
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	WATER	45	452	mg/kg/d	Value Decreased
Volatile Organic Compound	Methylene Chloride	75-09-2	Mammal	SEDIMENT	5.85	5.9	mg/kg/d	Value Decreased
Volatile Organic Compound	Methylene Chloride	75-09-2	Mammal	SOIL	5.85	5.9	mg/kg/d	Value Decreased
Volatile Organic Compound	Methylene Chloride	75-09-2	Mammal	WATER	5.85	5.9	mg/kg/d	Value Decreased

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	Comment
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	Invertebrate	SOIL	1.27	12.7	mg/kg	Value Decreased
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	SEDIMENT	1.93	1.9	mg/kg/d	Value Increased
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	SOIL	1.93	1.9	mg/kg/d	Value Increased
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	WATER	1.93	1.9	mg/kg/d	Value Increased
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	SEDIMENT	2.81	2.8	mg/kg/d	Value Increased
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	SOIL	2.81	2.8	mg/kg/d	Value Increased
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	WATER	2.81	2.8	mg/kg/d	Value Increased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	Mammal	SEDIMENT	0.11	0.113	mg/kg/d	Value Decreased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	Mammal	SOIL	0.11	0.113	mg/kg/d	Value Decreased
High Explosive	Dinitrobenzene[1,3-]	99-65-0	Mammal	WATER	0.11	0.113	mg/kg/d	Value Decreased
High Explosive	Nitrotoluene[2-]	88-72-2	Mammal	SEDIMENT	1.79	1.8	mg/kg/d	Value Decreased
High Explosive	Nitrotoluene[2-]	88-72-2	Mammal	SOIL	1.79	1.8	mg/kg/d	Value Decreased
High Explosive	Nitrotoluene[2-]	88-72-2	Mammal	WATER	1.79	1.8	mg/kg/d	Value Decreased
High Explosive	Nitrotoluene[3-]	99-08-1	Mammal	SEDIMENT	2.16	2.2	mg/kg/d	Value Decreased
High Explosive	Nitrotoluene[3-]	99-08-1	Mammal	SOIL	2.16	2.2	mg/kg/d	Value Decreased
High Explosive	Nitrotoluene[3-]	99-08-1	Mammal	WATER	2.16	2.2	mg/kg/d	Value Decreased
High Explosive	Nitrotoluene[4-]	99-99-0	Mammal	SEDIMENT	3.94	4	mg/kg/d	Value Decreased
High Explosive	Nitrotoluene[4-]	99-99-0	Mammal	SOIL	3.94	4	mg/kg/d	Value Decreased
High Explosive	Nitrotoluene[4-]	99-99-0	Mammal	WATER	3.94	4	mg/kg/d	Value Decreased
High Explosive	PETN	78-11-5	Mammal	SEDIMENT	5868	5900	mg/kg/d	Value Decreased
High Explosive	PETN	78-11-5	Mammal	SOIL	5868	5900	mg/kg/d	Value Decreased
High Explosive	PETN	78-11-5	Mammal	WATER	5868	5900	mg/kg/d	Value Decreased
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	SEDIMENT	13.4	13.44	mg/kg/d	Value Decreased
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	SOIL	13.4	13.44	mg/kg/d	Value Decreased
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	WATER	13.4	13.44	mg/kg/d	Value Decreased
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	Invertebrate	SOIL	0.7	0.3	mg/kg	Value Increased
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	Plant	SOIL	0.7	3	mg/kg	Value Decreased
Inorganic Compound	Aluminum	AL	Bird	SEDIMENT	109.7	110	mg/kg/d	Value Decreased
Inorganic Compound	Aluminum	AL	Bird	SOIL	109.7	110	mg/kg/d	Value Decreased
Inorganic Compound	Aluminum	AL	Bird	WATER	109.7	110	mg/kg/d	Value Decreased
Inorganic Compound	Antimony	SB	Mammal	SEDIMENT	0.125	0.13	mg/kg/d	Value Decreased
Inorganic Compound	Antimony	SB	Mammal	SOIL	0.125	0.13	mg/kg/d	Value Decreased
Inorganic Compound	Antimony	SB	Mammal	WATER	0.125	0.13	mg/kg/d	Value Decreased
Inorganic Compound	Antimony	SB	Plant	SOIL	0.05	0.5	mg/kg	Value Decreased
Inorganic Compound	Arsenic	AS	Bird	SEDIMENT	5.14	5.1	mg/kg/d	Value Increased
Inorganic Compound	Arsenic	AS	Bird	SOIL	5.14	5.1	mg/kg/d	Value Increased
Inorganic Compound	Arsenic	AS	Bird	WATER	5.14	5.1	mg/kg/d	Value Increased

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	Comment
Inorganic Compound	Arsenic	AS	Mammal	SEDIMENT	0.126	0.13	mg/kg/d	Value Decreased

- **New PTSE TRVs**

NewPTSEs092801						
Analyte Group	**Analyte Name**	**Analyte Code**	**Receptor Group**	**ESL Medium**	**TRV**	**Units**
Pesticide	DDE[4,4'-]	72-55-9	Bird	SEDIMENT	0.0071	mg/kg/d
Pesticide	DDE[4,4'-]	72-55-9	Bird	SOIL	0.0071	mg/kg/d
Pesticide	DDE[4,4'-]	72-55-9	Bird	WATER	0.0071	mg/kg/d
Pesticide	DDE[4,4'-]	72-55-9	Mammal	SEDIMENT	10	mg/kg/d
Pesticide	DDE[4,4'-]	72-55-9	Mammal	SOIL	10	mg/kg/d
Pesticide	DDE[4,4'-]	72-55-9	Mammal	WATER	10	mg/kg/d
Pesticide	DDT[4,4'-]	50-29-3	Bird	SEDIMENT	0.0071	mg/kg/d
Pesticide	DDT[4,4'-]	50-29-3	Bird	SOIL	0.0071	mg/kg/kd
Pesticide	DDT[4,4'-]	50-29-3	Bird	WATER	0.0071	mg/kg/d
Pesticide	DDT[4,4'-]	50-29-3	Mammal	SEDIMENT	1.6	mg/kg/d
Pesticide	DDT[4,4'-]	50-29-3	Mammal	SOIL	1.6	mg/kg/d
Pesticide	DDT[4,4'-]	50-29-3	Mammal	WATER	1.6	mg/kg/d
Pesticide	DDT[4,4'-]	50-29-3	Plant	SOIL	3.7	mg/kg
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	Mammal	SEDIMENT	0.035	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	Mammal	SOIL	0.035	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	Mammal	WATER	0.035	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	Bird	SEDIMENT	0.1	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	Bird	SOIL	0.1	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	Bird	WATER	0.1	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	Mammal	SEDIMENT	0.094	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	Mammal	SOIL	0.094	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	Mammal	WATER	0.094	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	Bird	SEDIMENT	0.1	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	Bird	SOIL	0.1	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	Bird	WATER	0.1	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	Mammal	SEDIMENT	0.0099	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	Mammal	SOIL	0.0099	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	Mammal	WATER	0.0099	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Bird	SEDIMENT	0.1	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Bird	SOIL	0.1	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Bird	WATER	0.1	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Mammal	SEDIMENT	0.031	mg/kg/d

NewPTSEs092801						
Analyte Group	**Analyte Name**	**Analyte Code**	**Receptor Group**	**ESL Medium**	**TRV**	**Units**
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Mammal	SOIL	0.031	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Mammal	WATER	0.031	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	Plant	SOIL	10	mg/kg
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	Bird	SEDIMENT	1.07	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	Bird	SOIL	1.07	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	Bird	WATER	1.07	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	Mammal	SEDIMENT	6.9	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	Mammal	SOIL	6.9	mg/kg/d
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	Mammal	WATER	6.9	mg/kg/d

- **Numerous TF Updates (refer to Ref ID 1183, Ryti, R. 2001. Revision to the Transfer Factors Used to Calculate LANL ESLs, Draft 03/20/01)**

Release 1.4 (March 2002)

- **New ESLs**
- **Updated ESLs**

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status
SEDIMENT	Acenaphthene	83-32-9	BA(i)	210	220	mg/kg	Updated Value
SEDIMENT	Amino-2,6-dinitrotoluene[4-]	19406-51-0	BA(i)	7.5	7.6	mg/kg	Updated Value
SEDIMENT	Aroclor-1242	53469-21-9	BA(i)	0.086	0.087	mg/kg	Updated Value
SEDIMENT	Aroclor-1242	53469-21-9	VGS(i)	0.054	0.055	mg/kg	Updated Value
SEDIMENT	Aroclor-1248	12672-29-6	BA(i)	0.009	0.0092	mg/kg	Updated Value
SEDIMENT	Aroclor-1248	12672-29-6	VGS(i)	0.054	0.055	mg/kg	Updated Value
SEDIMENT	Aroclor-1254	11097-69-1	VGS(i)	0.054	0.055	mg/kg	Updated Value
SEDIMENT	Aroclor-1260	11096-82-5	BA(i)	6.3	6.4	mg/kg	Updated Value
SEDIMENT	Aroclor-1260	11096-82-5	VGS(i)	0.58	0.59	mg/kg	Updated Value
SEDIMENT	Arsenic	AS	BA(i)	1.1	1.2	mg/kg	Updated Value
SEDIMENT	Benzo(a)pyrene	50-32-8	BA(i)	14	15	mg/kg	Updated Value
SEDIMENT	Benzo(b)fluoranthene	205-99-2	BA(i)	59	60	mg/kg	Updated Value
SEDIMENT	Benzo(k)fluoranthene	207-08-9	BA(i)	93	94	mg/kg	Updated Value
SEDIMENT	BHC[gamma-]	58-89-9	BA(i)	0.044	0.045	mg/kg	Updated Value
SEDIMENT	Bis(2-ethylhexyl)phthalate	117-81-7	BA(i)	38	39	mg/kg	Updated Value
SEDIMENT	Butanone[2-]	78-93-3	BA(i)	8000	8100	mg/kg	Updated Value
SEDIMENT	Butyl Benzyl Phthalate	85-68-7	BA(i)	440	450	mg/kg	Updated Value
SEDIMENT	Chlordane[alpha-]	5103-71-9	BA(i)	2.7	2.8	mg/kg	Updated Value
SEDIMENT	Chlordane[gamma-]	5103-74-2	BA(i)	2.7	2.8	mg/kg	Updated Value
SEDIMENT	Chloroform	67-66-3	BA(i)	58	59	mg/kg	Updated Value
SEDIMENT	Chromium (total)	CR	BA(i)	2300	2400	mg/kg	Updated Value
SEDIMENT	Cyanide (total)	CN(-1)	BA(i)	420	430	mg/kg	Updated Value
SEDIMENT	Dichlorobenzene[1,4-]	106-46-7	BA(i)	820	830	mg/kg	Updated Value
SEDIMENT	Dieldrin	60-57-1	BA(i)	0.052	0.053	mg/kg	Updated Value
SEDIMENT	Endosulfan	115-29-7	BA(i)	0.45	0.46	mg/kg	Updated Value
SEDIMENT	Fluorene	86-73-7	BA(i)	370	380	mg/kg	Updated Value
SEDIMENT	Heptachlor	76-44-8	BA(i)	0.074	0.075	mg/kg	Updated Value
SEDIMENT	Indeno(1,2,3-cd)pyrene	193-39-5	BA(i)	93	94	mg/kg	Updated Value
SEDIMENT	Manganese	MN	BA(i)	850	860	mg/kg	Updated Value
SEDIMENT	Mercury (inorganic)	HGI	VGS(i)	6.9	7	mg/kg	Updated Value
SEDIMENT	Methoxychlor[4,4'-]	72-43-5	BA(i)	10	11	mg/kg	Updated Value
SEDIMENT	Methylene Chloride	75-09-2	BA(i)	24	25	mg/kg	Updated Value
SEDIMENT	Nickel	NI	BA(i)	2000	2100	mg/kg	Updated Value

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status
SEDIMENT	Nitrotoluene[3-]	99-08-1	BA(i)	7.9	8	mg/kg	Updated Value
SEDIMENT	Pentachlorophenol	87-86-5	BA(i)	0.65	0.66	mg/kg	Updated Value
SEDIMENT	Phenanthrene	85-01-8	BA(i)	14	15	mg/kg	Updated Value
SEDIMENT	Phenol	108-95-2	BA(i)	240	250	mg/kg	Updated Value
SEDIMENT	Silver	AG	BA(i)	0.12	0.5	mg/kg	Updated Value
SEDIMENT	Silver	AG	VGS(i)	20	81	mg/kg	Updated Value
SEDIMENT	Strontium (stable)	SR	BA(i)	150	620	mg/kg	Updated Value
SEDIMENT	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	BA(i)	0.00000065	0.00000066	mg/kg	Updated Value
SEDIMENT	Tetryl	479-45-8	BA(i)	5.2	5.3	mg/kg	Updated Value
SEDIMENT	Titanium	TI	BA(i)	98	99	mg/kg	Updated Value
SEDIMENT	Toluene	108-88-3	BA(i)	92	93	mg/kg	Updated Value
SEDIMENT	Trichlorobenzene[1,2,4-]	120-82-1	BA(i)	4.5	4.6	mg/kg	Updated Value
SEDIMENT	Trichloroethane[1,1,1-]	71-55-6	BA(i)	3600	3700	mg/kg	Updated Value
SEDIMENT	Zinc	ZN	BA(i)	290	300	mg/kg	Updated Value
SOIL	Acenaphthene	83-32-9	RF(f)	7800	8100	mg/kg	Updated Value
SOIL	Acenaphthylene	208-96-8	RF(f)	6800	7100	mg/kg	Updated Value
SOIL	Acetone	67-64-1	AK(f)	5600000	5800000	mg/kg	Updated Value
SOIL	Acetone	67-64-1	AR(ip)	4200	4300	mg/kg	Updated Value
SOIL	Acetone	67-64-1	DC(p)	4.3	4.2	mg/kg	Updated Value
SOIL	Acetone	67-64-1	DM(ip)	3.8	3.7	mg/kg	Updated Value
SOIL	Acetone	67-64-1	RF(f)	5100	4900	mg/kg	Updated Value
SOIL	Aluminum	AL	AR(ip)	510	520	mg/kg	Updated Value
SOIL	Aluminum	AL	AR(p)	2900	3000	mg/kg	Updated Value
SOIL	Aluminum	AL	DC(p)	760	740	mg/kg	Updated Value
SOIL	Aluminum	AL	RF(f)	1400	1300	mg/kg	Updated Value
SOIL	Amino-2,6-dinitrotoluene[4-]	19406-51-0	DC(p)	5.8	5.6	mg/kg	Updated Value
SOIL	Amino-2,6-dinitrotoluene[4-]	19406-51-0	RF(f)	930	860	mg/kg	Updated Value
SOIL	Amino-4,6-dinitrotoluene[2-]	35572-78-2	DC(p)	8.4	8.2	mg/kg	Updated Value
SOIL	Amino-4,6-dinitrotoluene[2-]	35572-78-2	RF(f)	1300	1200	mg/kg	Updated Value
SOIL	Anthracene	120-12-7	DC(p)	2800	2700	mg/kg	Updated Value
SOIL	Anthracene	120-12-7	RF(f)	6100	6400	mg/kg	Updated Value
SOIL	Antimony	SB	DC(p)	6.2	6	mg/kg	Updated Value
SOIL	Antimony	SB	RF(f)	97	90	mg/kg	Updated Value
SOIL	Aroclor-1016	12674-11-2	DC(p)	0.69	0.67	mg/kg	Updated Value
SOIL	Aroclor-1016	12674-11-2	RF(f)	1	1.1	mg/kg	Updated Value
SOIL	Aroclor-1242	53469-21-9	AK(f)	1.4	1.5	mg/kg	Updated Value
SOIL	Aroclor-1242	53469-21-9	AK(fi)	0.26	0.27	mg/kg	Updated Value

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status
SOIL	Aroclor-1242	53469-21-9	AR(ip)	0.075	0.076	mg/kg	Updated Value
SOIL	Aroclor-1242	53469-21-9	AR(p)	0.44	0.45	mg/kg	Updated Value
SOIL	Aroclor-1242	53469-21-9	RF(f)	2.9	3.1	mg/kg	Updated Value
SOIL	Aroclor-1242	53469-21-9	VS(i)	0.068	0.069	mg/kg	Updated Value
SOIL	Aroclor-1248	12672-29-6	AK(f)	0.34	0.37	mg/kg	Updated Value
SOIL	Aroclor-1248	12672-29-6	AK(fi)	0.2	0.21	mg/kg	Updated Value
SOIL	Aroclor-1248	12672-29-6	AR(ip)	0.079	0.08	mg/kg	Updated Value
SOIL	Aroclor-1248	12672-29-6	DC(p)	0.65	0.63	mg/kg	Updated Value
SOIL	Aroclor-1248	12672-29-6	RF(f)	0.075	0.082	mg/kg	Updated Value
SOIL	Aroclor-1254	11097-69-1	AK(f)	0.22	0.24	mg/kg	Updated Value
SOIL	Aroclor-1254	11097-69-1	AK(fi)	0.17	0.18	mg/kg	Updated Value
SOIL	Aroclor-1254	11097-69-1	DC(p)	2.8	2.7	mg/kg	Updated Value
SOIL	Aroclor-1254	11097-69-1	DM(ip)	0.045	0.044	mg/kg	Updated Value
SOIL	Aroclor-1254	11097-69-1	RF(f)	0.15	0.16	mg/kg	Updated Value
SOIL	Aroclor-1260	11096-82-5	AK(f)	2.2	2.4	mg/kg	Updated Value
SOIL	Aroclor-1260	11096-82-5	AK(fi)	1.8	1.9	mg/kg	Updated Value
SOIL	Aroclor-1260	11096-82-5	AR(p)	15	16	mg/kg	Updated Value
SOIL	Aroclor-1260	11096-82-5	DC(p)	660	640	mg/kg	Updated Value
SOIL	Aroclor-1260	11096-82-5	RF(f)	32	35	mg/kg	Updated Value
SOIL	Arsenic	AS	RF(f)	97	90	mg/kg	Updated Value
SOIL	Barium	BA	DC(p)	34	33	mg/kg	Updated Value
SOIL	Barium	BA	RF(f)	420	390	mg/kg	Updated Value
SOIL	Benzene	71-43-2	DC(p)	94	91	mg/kg	Updated Value
SOIL	Benzene	71-43-2	RF(f)	12000	10000	mg/kg	Updated Value
SOIL	Benzene	71-43-2	VS(i)	76	77	mg/kg	Updated Value
SOIL	Benzo(a)anthracene	56-55-3	DC(p)	12	11	mg/kg	Updated Value
SOIL	Benzo(a)anthracene	56-55-3	DM(ip)	4.9	4.8	mg/kg	Updated Value
SOIL	Benzo(a)anthracene	56-55-3	RF(f)	32	28	mg/kg	Updated Value
SOIL	Benzo(a)pyrene	50-32-8	DC(p)	96	93	mg/kg	Updated Value
SOIL	Benzo(a)pyrene	50-32-8	RF(f)	68	66	mg/kg	Updated Value
SOIL	Benzo(a)pyrene	50-32-8	VS(i)	9.6	9.7	mg/kg	Updated Value
SOIL	Benzo(b)fluoranthene	205-99-2	DC(p)	410	390	mg/kg	Updated Value
SOIL	Benzo(b)fluoranthene	205-99-2	DM(ip)	74	73	mg/kg	Updated Value
SOIL	Benzo(b)fluoranthene	205-99-2	RF(f)	250	240	mg/kg	Updated Value
SOIL	Benzo(g,h,i)perylene	191-24-2	DC(p)	1000	990	mg/kg	Updated Value
SOIL	Benzo(g,h,i)perylene	191-24-2	RF(f)	47	50	mg/kg	Updated Value
SOIL	Benzo(k)fluoranthene	207-08-9	DC(p)	740	710	mg/kg	Updated Value

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status
SOIL	Benzo(k)fluoranthene	207-08-9	DM(ip)	120	110	mg/kg	Updated Value
SOIL	Benzo(k)fluoranthene	207-08-9	RF(f)	400	390	mg/kg	Updated Value
SOIL	Benzoic Acid	65-85-0	DC(p)	11	10	mg/kg	Updated Value
SOIL	Benzoic Acid	65-85-0	DM(ip)	7.3	7.2	mg/kg	Updated Value
SOIL	Benzoic Acid	65-85-0	RF(f)	1900	1800	mg/kg	Updated Value
SOIL	Benzoic Acid	65-85-0	VS(i)	11	12	mg/kg	Updated Value
SOIL	Beryllium	BE	DC(p)	210	200	mg/kg	Updated Value
SOIL	Beryllium	BE	DM(ip)	6.3	6.2	mg/kg	Updated Value
SOIL	Beryllium	BE	RF(f)	510	470	mg/kg	Updated Value
SOIL	BHC[beta-]	319-85-7	AK(f)	2200	2300	mg/kg	Updated Value
SOIL	BHC[beta-]	319-85-7	DC(p)	6.1	5.9	mg/kg	Updated Value
SOIL	BHC[beta-]	319-85-7	RF(f)	49	51	mg/kg	Updated Value
SOIL	BHC[gamma-]	58-89-9	AK(f)	35	37	mg/kg	Updated Value
SOIL	BHC[gamma-]	58-89-9	AK(fi)	5.2	5.3	mg/kg	Updated Value
SOIL	BHC[gamma-]	58-89-9	AR(ip)	1	1.1	mg/kg	Updated Value
SOIL	BHC[gamma-]	58-89-9	DC(p)	0.2	0.19	mg/kg	Updated Value
SOIL	BHC[gamma-]	58-89-9	RF(f)	1.8	1.9	mg/kg	Updated Value
SOIL	Bis(2-ethylhexyl)phthalate	117-81-7	AK(f)	1.7	1.8	mg/kg	Updated Value
SOIL	Bis(2-ethylhexyl)phthalate	117-81-7	AK(fi)	2.3	2.4	mg/kg	Updated Value
SOIL	Bis(2-ethylhexyl)phthalate	117-81-7	DC(p)	3600	3500	mg/kg	Updated Value
SOIL	Bis(2-ethylhexyl)phthalate	117-81-7	DM(ip)	61	60	mg/kg	Updated Value
SOIL	Bis(2-ethylhexyl)phthalate	117-81-7	RF(f)	64	68	mg/kg	Updated Value
SOIL	Boron	B	DC(p)	77	74	mg/kg	Updated Value
SOIL	Boron	B	DM(ip)	56	55	mg/kg	Updated Value
SOIL	Boron	B	RF(f)	21000	20000	mg/kg	Updated Value
SOIL	Butanone[2-]	78-93-3	DC(p)	1600	1500	mg/kg	Updated Value
SOIL	Butanone[2-]	78-93-3	RF(f)	880000	860000	mg/kg	Updated Value
SOIL	Butanone[2-]	78-93-3	VS(i)	6000	6100	mg/kg	Updated Value
SOIL	Butyl Benzyl Phthalate	85-68-7	DC(p)	5800	5600	mg/kg	Updated Value
SOIL	Butyl Benzyl Phthalate	85-68-7	DM(ip)	630	620	mg/kg	Updated Value
SOIL	Butyl Benzyl Phthalate	85-68-7	RF(f)	7300	7600	mg/kg	Updated Value
SOIL	Cadmium	CD	AR(i)	0.71	0.7	mg/kg	Updated Value
SOIL	Cadmium	CD	AR(p)	8.8	8.9	mg/kg	Updated Value
SOIL	Cadmium	CD	DC(p)	28	27	mg/kg	Updated Value
SOIL	Cadmium	CD	RF(f)	740	690	mg/kg	Updated Value
SOIL	Cadmium	CD	VS(i)	0.87	0.86	mg/kg	Updated Value
SOIL	Chlordane[alpha-]	5103-71-9	AK(f)	9.6	10	mg/kg	Updated Value

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status
SOIL	Chlordane[alpha-]	5103-71-9	AK(fi)	8.8	9	mg/kg	Updated Value
SOIL	Chlordane[alpha-]	5103-71-9	AR(ip)	4.1	4.2	mg/kg	Updated Value
SOIL	Chlordane[alpha-]	5103-71-9	DC(p)	130	120	mg/kg	Updated Value
SOIL	Chlordane[alpha-]	5103-71-9	DM(ip)	4.3	4.2	mg/kg	Updated Value
SOIL	Chlordane[alpha-]	5103-71-9	RF(f)	11	12	mg/kg	Updated Value
SOIL	Chlordane[gamma-]	5103-74-2	AK(f)	9.6	10	mg/kg	Updated Value
SOIL	Chlordane[gamma-]	5103-74-2	AK(fi)	8.8	9	mg/kg	Updated Value
SOIL	Chlordane[gamma-]	5103-74-2	AR(ip)	4.1	4.2	mg/kg	Updated Value
SOIL	Chlordane[gamma-]	5103-74-2	DC(p)	130	120	mg/kg	Updated Value
SOIL	Chlordane[gamma-]	5103-74-2	DM(ip)	4.3	4.2	mg/kg	Updated Value
SOIL	Chlordane[gamma-]	5103-74-2	RF(f)	11	12	mg/kg	Updated Value
SOIL	Chlorobenzene	108-90-7	DC(p)	400	390	mg/kg	Updated Value
SOIL	Chloroform	67-66-3	DC(p)	44	43	mg/kg	Updated Value
SOIL	Chloroform	67-66-3	RF(f)	7200	6700	mg/kg	Updated Value
SOIL	Chlorophenol[2-]	95-57-8	AK(f)	290	250	mg/kg	Updated Value
SOIL	Chlorophenol[2-]	95-57-8	DC(p)	1.8	1.7	mg/kg	Updated Value
SOIL	Chlorophenol[2-]	95-57-8	RF(f)	230	200	mg/kg	Updated Value
SOIL	Chromium (total)	CR	AR(i)	460	470	mg/kg	Updated Value
SOIL	Chromium (total)	CR	AR(ip)	550	560	mg/kg	Updated Value
SOIL	Chromium (total)	CR	AR(p)	680	700	mg/kg	Updated Value
SOIL	Chromium (total)	CR	DC(p)	8000	7800	mg/kg	Updated Value
SOIL	Chromium (total)	CR	RF(f)	18000	16000	mg/kg	Updated Value
SOIL	Chromium (total)	CR	VS(i)	700	720	mg/kg	Updated Value
SOIL	Chromium(+6)	CR(+6)	AR(i)	66	67	mg/kg	Updated Value
SOIL	Chromium(+6)	CR(+6)	AR(ip)	78	81	mg/kg	Updated Value
SOIL	Chromium(+6)	CR(+6)	AR(p)	97	100	mg/kg	Updated Value
SOIL	Chromium(+6)	CR(+6)	RF(f)	2500	2300	mg/kg	Updated Value
SOIL	Chrysene	218-01-9	DC(p)	12	11	mg/kg	Updated Value
SOIL	Chrysene	218-01-9	RF(f)	25	23	mg/kg	Updated Value
SOIL	Chrysene	218-01-9	VS(i)	2.4	2.5	mg/kg	Updated Value
SOIL	Cobalt	CO	AK(f)	6	6.1	mg/kg	Updated Value
SOIL	Cobalt	CO	AR(p)	0.46	0.47	mg/kg	Updated Value
SOIL	Cobalt	CO	DC(p)	5	4.8	mg/kg	Updated Value
SOIL	Cobalt	CO	DM(ip)	0.19	0.18	mg/kg	Updated Value
SOIL	Copper	CU	AK(f)	22000	21000	mg/kg	Updated Value
SOIL	Copper	CU	DC(p)	300	290	mg/kg	Updated Value
SOIL	Copper	CU	RF(f)	8900	8100	mg/kg	Updated Value

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status
SOIL	Cyanide (total)	CN(-1)	AK(f)	1.4	0.61	mg/kg	Updated Value
SOIL	Cyanide (total)	CN(-1)	AK(fi)	0.61	0.48	mg/kg	Updated Value
SOIL	Cyanide (total)	CN(-1)	DC(p)	740	720	mg/kg	Updated Value
SOIL	Cyanide (total)	CN(-1)	DM(ip)	340	330	mg/kg	Updated Value
SOIL	Cyanide (total)	CN(-1)	RF(f)	5200	2200	mg/kg	Updated Value
SOIL	DDE[4,4'-]	72-55-9	AK(f)	0.0074	0.008	mg/kg	Updated Value
SOIL	DDE[4,4'-]	72-55-9	AK(fi)	0.0083	0.0086	mg/kg	Updated Value
SOIL	DDE[4,4'-]	72-55-9	RF(f)	23	24	mg/kg	Updated Value
SOIL	DDT[4,4'-]	50-29-3	AK(f)	0.0092	0.0099	mg/kg	Updated Value
SOIL	DDT[4,4'-]	50-29-3	AK(fi)	0.0093	0.0097	mg/kg	Updated Value
SOIL	DDT[4,4'-]	50-29-3	AR(ip)	0.0052	0.0051	mg/kg	Updated Value
SOIL	DDT[4,4'-]	50-29-3	DC(p)	200	190	mg/kg	Updated Value
SOIL	DDT[4,4'-]	50-29-3	DM(ip)	2.1	2	mg/kg	Updated Value
SOIL	DDT[4,4'-]	50-29-3	RF(f)	4.6	4.9	mg/kg	Updated Value
SOIL	Dibenzo(a,h)anthracene	53-70-3	DM(ip)	26	25	mg/kg	Updated Value
SOIL	Dibenzo(a,h)anthracene	53-70-3	RF(f)	54	53	mg/kg	Updated Value
SOIL	Dichlorobenzene[1,4-]	106-46-7	DC(p)	2700	2600	mg/kg	Updated Value
SOIL	Dichlorobenzene[1,4-]	106-46-7	DM(ip)	860	850	mg/kg	Updated Value
SOIL	Dichlorobenzene[1,4-]	106-46-7	RF(f)	43000	44000	mg/kg	Updated Value
SOIL	Dichloroethane[1,1-]	75-34-3	DC(p)	1000	970	mg/kg	Updated Value
SOIL	Dichloroethane[1,2-]	107-06-2	AK(f)	2400	2500	mg/kg	Updated Value
SOIL	Dichloroethane[1,2-]	107-06-2	AK(fi)	3100	3200	mg/kg	Updated Value
SOIL	Dichloroethane[1,2-]	107-06-2	AR(i)	250	260	mg/kg	Updated Value
SOIL	Dichloroethane[1,2-]	107-06-2	AR(p)	4.6	4.7	mg/kg	Updated Value
SOIL	Dichloroethane[1,2-]	107-06-2	DC(p)	99	95	mg/kg	Updated Value
SOIL	Dichloroethane[1,2-]	107-06-2	DM(ip)	89	88	mg/kg	Updated Value
SOIL	Dichloroethane[1,2-]	107-06-2	RF(f)	24000	23000	mg/kg	Updated Value
SOIL	Dichloroethane[1,2-]	107-06-2	VS(i)	2300	2400	mg/kg	Updated Value
SOIL	Dichloroethene[1,1-]	75-35-4	RF(f)	14000	12000	mg/kg	Updated Value
SOIL	Dichloroethene[cis/trans-1,2-]	540-59-0	RF(f)	21000	20000	mg/kg	Updated Value
SOIL	Dieldrin	60-57-1	AK(f)	0.94	1	mg/kg	Updated Value
SOIL	Dieldrin	60-57-1	AK(fi)	0.48	0.49	mg/kg	Updated Value
SOIL	Dieldrin	60-57-1	AR(p)	0.78	0.8	mg/kg	Updated Value
SOIL	Dieldrin	60-57-1	DC(p)	1.1	1	mg/kg	Updated Value
SOIL	Dieldrin	60-57-1	DM(ip)	0.078	0.077	mg/kg	Updated Value
SOIL	Dieldrin	60-57-1	RF(f)	0.53	0.56	mg/kg	Updated Value
SOIL	Dieldrin	60-57-1	VS(i)	0.04	0.041	mg/kg	Updated Value

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status
SOIL	Dimethyl Phthalate	131-11-3	DC(p)	180	170	mg/kg	Updated Value
SOIL	Dimethyl Phthalate	131-11-3	RF(f)	40000	39000	mg/kg	Updated Value
SOIL	Di-n-Butyl Phthalate	84-74-2	AK(f)	3.7	3.9	mg/kg	Updated Value
SOIL	Di-n-Butyl Phthalate	84-74-2	AR(p)	0.89	0.9	mg/kg	Updated Value
SOIL	Di-n-Butyl Phthalate	84-74-2	DC(p)	18000	17000	mg/kg	Updated Value
SOIL	Di-n-Butyl Phthalate	84-74-2	RF(f)	34000	36000	mg/kg	Updated Value
SOIL	Dinitrobenzene[1,3-]	99-65-0	DC(p)	0.22	0.21	mg/kg	Updated Value
SOIL	Dinitrobenzene[1,3-]	99-65-0	RF(f)	53	52	mg/kg	Updated Value
SOIL	Dinitrotoluene[2,4-]	121-14-2	DC(p)	1.7	1.6	mg/kg	Updated Value
SOIL	Dinitrotoluene[2,4-]	121-14-2	RF(f)	250	230	mg/kg	Updated Value
SOIL	Dinitrotoluene[2,6-]	606-20-2	DC(p)	1	0.98	mg/kg	Updated Value
SOIL	Dinitrotoluene[2,6-]	606-20-2	RF(f)	170	160	mg/kg	Updated Value
SOIL	Di-n-octylphthalate	117-84-0	DC(p)	3900	3800	mg/kg	Updated Value
SOIL	Di-n-octylphthalate	117-84-0	RF(f)	2400	2600	mg/kg	Updated Value
SOIL	Endosulfan	115-29-7	AK(f)	440	460	mg/kg	Updated Value
SOIL	Endosulfan	115-29-7	DC(p)	2.9	2.8	mg/kg	Updated Value
SOIL	Endrin	72-20-8	AK(f)	0.16	0.17	mg/kg	Updated Value
SOIL	Endrin	72-20-8	AK(fi)	0.069	0.07	mg/kg	Updated Value
SOIL	Endrin	72-20-8	AR(i)	0.011	0.012	mg/kg	Updated Value
SOIL	Endrin	72-20-8	AR(p)	0.085	0.086	mg/kg	Updated Value
SOIL	Endrin	72-20-8	DC(p)	4	3.8	mg/kg	Updated Value
SOIL	Endrin	72-20-8	RF(f)	3.3	3.5	mg/kg	Updated Value
SOIL	Fluoranthene	206-44-0	DC(p)	570	550	mg/kg	Updated Value
SOIL	Fluoranthene	206-44-0	DM(ip)	49	48	mg/kg	Updated Value
SOIL	Fluoranthene	206-44-0	RF(f)	430	450	mg/kg	Updated Value
SOIL	Fluorene	86-73-7	DC(p)	2700	2600	mg/kg	Updated Value
SOIL	Fluorene	86-73-7	RF(f)	10000	11000	mg/kg	Updated Value
SOIL	Fluoride	F(-1)	AR(ip)	54	55	mg/kg	Updated Value
SOIL	Fluoride	F(-1)	DC(p)	3500	3400	mg/kg	Updated Value
SOIL	Heptachlor	76-44-8	AK(f)	1.3	1.5	mg/kg	Updated Value
SOIL	Heptachlor	76-44-8	RF(f)	0.33	0.35	mg/kg	Updated Value
SOIL	HMX	2691-41-0	DC(p)	51	49	mg/kg	Updated Value
SOIL	HMX	2691-41-0	DM(ip)	43	42	mg/kg	Updated Value
SOIL	Indeno(1,2,3-cd)pyrene	193-39-5	DC(p)	990	960	mg/kg	Updated Value
SOIL	Indeno(1,2,3-cd)pyrene	193-39-5	RF(f)	270	260	mg/kg	Updated Value
SOIL	Kepone	143-50-0	AK(fi)	54	55	mg/kg	Updated Value
SOIL	Kepone	143-50-0	AR(p)	83	84	mg/kg	Updated Value

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status
SOIL	Kepone	143-50-0	DC(p)	4.2	4	mg/kg	Updated Value
SOIL	Kepone	143-50-0	RF(f)	2.3	2.4	mg/kg	Updated Value
SOIL	Lead	PB	AR(i)	55	56	mg/kg	Updated Value
SOIL	Lead	PB	AR(ip)	72	74	mg/kg	Updated Value
SOIL	Lead	PB	DC(p)	930	900	mg/kg	Updated Value
SOIL	Lead	PB	DM(ip)	220	210	mg/kg	Updated Value
SOIL	Lead	PB	RF(f)	4600	4200	mg/kg	Updated Value
SOIL	Manganese	MN	AR(i)	3800	3900	mg/kg	Updated Value
SOIL	Manganese	MN	RF(f)	34000	32000	mg/kg	Updated Value
SOIL	Mercury (inorganic)	HGI	AK(f)	73	69	mg/kg	Updated Value
SOIL	Mercury (inorganic)	HGI	AK(fi)	28	27	mg/kg	Updated Value
SOIL	Mercury (inorganic)	HGI	AR(ip)	5.2	5.3	mg/kg	Updated Value
SOIL	Mercury (inorganic)	HGI	AR(p)	9	9.3	mg/kg	Updated Value
SOIL	Mercury (inorganic)	HGI	RF(f)	4200	3800	mg/kg	Updated Value
SOIL	Mercury (methyl)	HGM	AK(f)	0.0076	0.0083	mg/kg	Updated Value
SOIL	Mercury (methyl)	HGM	AK(fi)	0.0021	0.0022	mg/kg	Updated Value
SOIL	Mercury (methyl)	HGM	AR(p)	0.075	0.077	mg/kg	Updated Value
SOIL	Mercury (methyl)	HGM	DC(p)	2.2	2.1	mg/kg	Updated Value
SOIL	Mercury (methyl)	HGM	DM(ip)	0.0063	0.0062	mg/kg	Updated Value
SOIL	Mercury (methyl)	HGM	RF(f)	0.084	0.091	mg/kg	Updated Value
SOIL	Methoxychlor[4,4'-]	72-43-5	AK(f)	330	350	mg/kg	Updated Value
SOIL	Methoxychlor[4,4'-]	72-43-5	AK(fi)	130	140	mg/kg	Updated Value
SOIL	Methoxychlor[4,4'-]	72-43-5	RF(f)	140	150	mg/kg	Updated Value
SOIL	Methylene Chloride	75-09-2	DC(p)	9.6	9.2	mg/kg	Updated Value
SOIL	Methylene Chloride	75-09-2	DM(ip)	7.1	7	mg/kg	Updated Value
SOIL	Methylnaphthalene[2-]	91-57-6	DC(p)	39	38	mg/kg	Updated Value
SOIL	Methylnaphthalene[2-]	91-57-6	DM(ip)	9.2	9.1	mg/kg	Updated Value
SOIL	Methylnaphthalene[2-]	91-57-6	RF(f)	290	300	mg/kg	Updated Value
SOIL	Naphthalene	91-20-3	AK(fi)	1.3	1.4	mg/kg	Updated Value
SOIL	Naphthalene	91-20-3	DC(p)	520	500	mg/kg	Updated Value
SOIL	Naphthalene	91-20-3	DM(ip)	170	160	mg/kg	Updated Value
SOIL	Naphthalene	91-20-3	RF(f)	9100	9300	mg/kg	Updated Value
SOIL	Nickel	NI	AK(f)	38000	37000	mg/kg	Updated Value
SOIL	Nickel	NI	AR(i)	980	1000	mg/kg	Updated Value
SOIL	Nickel	NI	DC(p)	7900	7600	mg/kg	Updated Value
SOIL	Nickel	NI	DM(ip)	2100	2000	mg/kg	Updated Value
SOIL	Nickel	NI	RF(f)	31000	28000	mg/kg	Updated Value

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status
SOIL	Nickel	NI	VS(i)	900	910	mg/kg	Updated Value
SOIL	Nitrobenzene	98-95-3	DC(p)	19	18	mg/kg	Updated Value
SOIL	Nitrobenzene	98-95-3	RF(f)	3300	3200	mg/kg	Updated Value
SOIL	Nitroglycerine	55-63-0	DM(ip)	150	140	mg/kg	Updated Value
SOIL	Nitroglycerine	55-63-0	RF(f)	46000	45000	mg/kg	Updated Value
SOIL	Nitrotoluene[2-]	88-72-2	DC(p)	7.4	7.1	mg/kg	Updated Value
SOIL	Nitrotoluene[2-]	88-72-2	RF(f)	850	670	mg/kg	Updated Value
SOIL	Nitrotoluene[3-]	99-08-1	DC(p)	10	9.8	mg/kg	Updated Value
SOIL	Nitrotoluene[3-]	99-08-1	RF(f)	1000	750	mg/kg	Updated Value
SOIL	Nitrotoluene[3-]	99-08-1	VS(i)	6	6.1	mg/kg	Updated Value
SOIL	Nitrotoluene[4-]	99-99-0	DC(p)	17	16	mg/kg	Updated Value
SOIL	Nitrotoluene[4-]	99-99-0	DM(ip)	9.4	9.3	mg/kg	Updated Value
SOIL	Nitrotoluene[4-]	99-99-0	RF(f)	1800	1400	mg/kg	Updated Value
SOIL	Pentachloronitrobenzene	82-68-8	AK(f)	180	190	mg/kg	Updated Value
SOIL	Pentachloronitrobenzene	82-68-8	DC(p)	2000	1900	mg/kg	Updated Value
SOIL	Pentachloronitrobenzene	82-68-8	RF(f)	3600	3800	mg/kg	Updated Value
SOIL	Pentachlorophenol	87-86-5	AK(f)	53	57	mg/kg	Updated Value
SOIL	Pentachlorophenol	87-86-5	AK(fi)	22	23	mg/kg	Updated Value
SOIL	Pentachlorophenol	87-86-5	AR(p)	28	29	mg/kg	Updated Value
SOIL	Pentachlorophenol	87-86-5	RF(f)	8.5	9	mg/kg	Updated Value
SOIL	PETN	78-11-5	DC(p)	83000	80000	mg/kg	Updated Value
SOIL	PETN	78-11-5	RF(f)	790000	820000	mg/kg	Updated Value
SOIL	Phenanthrene	85-01-8	RF(f)	310	330	mg/kg	Updated Value
SOIL	Phenol	108-95-2	DC(p)	120	110	mg/kg	Updated Value
SOIL	Phenol	108-95-2	RF(f)	29000	28000	mg/kg	Updated Value
SOIL	Pyrene	129-00-0	DC(p)	340	330	mg/kg	Updated Value
SOIL	Pyrene	129-00-0	RF(f)	260	270	mg/kg	Updated Value
SOIL	RDX	121-82-4	DM(ip)	9.2	9.1	mg/kg	Updated Value
SOIL	RDX	121-82-4	RF(f)	4900	4800	mg/kg	Updated Value
SOIL	Selenium	SE	AK(f)	140	150	mg/kg	Updated Value
SOIL	Selenium	SE	DC(p)	55	53	mg/kg	Updated Value
SOIL	Selenium	SE	DM(ip)	1.9	1.8	mg/kg	Updated Value
SOIL	Silver	AG	AK(f)	2400	2500	mg/kg	Updated Value
SOIL	Silver	AG	AK(fi)	100	370	mg/kg	Updated Value
SOIL	Silver	AG	AR(i)	14	44	mg/kg	Updated Value
SOIL	Silver	AG	AR(ip)	19	36	mg/kg	Updated Value
SOIL	Silver	AG	AR(p)	30	31	mg/kg	Updated Value

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status
SOIL	Silver	AG	DC(p)	0.52	0.5	mg/kg	Updated Value
SOIL	Silver	AG	DM(ip)	0.14	0.28	mg/kg	Updated Value
SOIL	Silver	AG	RF(f)	14	13	mg/kg	Updated Value
SOIL	Silver	AG	VS(i)	0.091	0.28	mg/kg	Updated Value
SOIL	Strontium (stable)	SR	DC(p)	110	100	mg/kg	Updated Value
SOIL	Strontium (stable)	SR	DM(ip)	71	89	mg/kg	Updated Value
SOIL	Strontium (stable)	SR	RF(f)	19000	18000	mg/kg	Updated Value
SOIL	Strontium (stable)	SR	VS(i)	110	360	mg/kg	Updated Value
SOIL	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	AK(f)	0.000014	0.000015	mg/kg	Updated Value
SOIL	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	AK(fi)	0.000014	0.000015	mg/kg	Updated Value
SOIL	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	RF(f)	0.0000022	0.0000024	mg/kg	Updated Value
SOIL	Tetrachloroethene	127-18-4	DC(p)	8	7.7	mg/kg	Updated Value
SOIL	Tetrachloroethene	127-18-4	DM(ip)	3.8	3.7	mg/kg	Updated Value
SOIL	Tetrachloroethene	127-18-4	RF(f)	660	420	mg/kg	Updated Value
SOIL	Tetryl	479-45-8	DC(p)	3	2.9	mg/kg	Updated Value
SOIL	Tetryl	479-45-8	RF(f)	630	610	mg/kg	Updated Value
SOIL	Tetryl	479-45-8	VS(i)	3.9	4	mg/kg	Updated Value
SOIL	Thallium	TL	DC(p)	28	27	mg/kg	Updated Value
SOIL	Titanium	TI	DC(p)	5900	5700	mg/kg	Updated Value
SOIL	Titanium	TI	RF(f)	7300	7100	mg/kg	Updated Value
SOIL	Toluene	108-88-3	DC(p)	160	150	mg/kg	Updated Value
SOIL	Toluene	108-88-3	DM(ip)	73	72	mg/kg	Updated Value
SOIL	Toluene	108-88-3	RF(f)	12000	7500	mg/kg	Updated Value
SOIL	Toluene	108-88-3	VS(i)	70	71	mg/kg	Updated Value
SOIL	Toxaphene (Technical Grade)	8001-35-2	AK(f)	100	110	mg/kg	Updated Value
SOIL	Toxaphene (Technical Grade)	8001-35-2	AK(fi)	59	61	mg/kg	Updated Value
SOIL	Toxaphene (Technical Grade)	8001-35-2	AR(p)	100	110	mg/kg	Updated Value
SOIL	Toxaphene (Technical Grade)	8001-35-2	DC(p)	490	470	mg/kg	Updated Value
SOIL	Toxaphene (Technical Grade)	8001-35-2	DM(ip)	31	30	mg/kg	Updated Value
SOIL	Toxaphene (Technical Grade)	8001-35-2	RF(f)	180	190	mg/kg	Updated Value
SOIL	Trichlorobenzene[1,2,4-]	120-82-1	DC(p)	27	26	mg/kg	Updated Value
SOIL	Trichlorobenzene[1,2,4-]	120-82-1	DM(ip)	5.6	5.5	mg/kg	Updated Value
SOIL	Trichloroethane[1,1,1-]	71-55-6	DC(p)	4800	4600	mg/kg	Updated Value
SOIL	Trichloroethane[1,1,1-]	71-55-6	RF(f)	470000	340000	mg/kg	Updated Value
SOIL	Trichloroethene	79-01-6	DC(p)	4.1	4	mg/kg	Updated Value
SOIL	Trichloroethene	79-01-6	RF(f)	320	200	mg/kg	Updated Value
SOIL	Trinitrobenzene[1,3,5-]	99-35-4	RF(f)	6600	6400	mg/kg	Updated Value

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status
SOIL	Trinitrotoluene[2,4,6-]	118-96-7	DC(p)	77	75	mg/kg	Updated Value
SOIL	Uranium	U	AR(p)	190	200	mg/kg	Updated Value
SOIL	Uranium	U	RF(f)	4800	4400	mg/kg	Updated Value
SOIL	Uranium	U	VS(i)	27	28	mg/kg	Updated Value
SOIL	Vanadium	V	AR(ip)	5.1	5.2	mg/kg	Updated Value
SOIL	Vanadium	V	AR(p)	28	29	mg/kg	Updated Value
SOIL	Vanadium	V	DC(p)	790	760	mg/kg	Updated Value
SOIL	Vanadium	V	RF(f)	1500	1400	mg/kg	Updated Value
SOIL	Xylene (Total)	1330-20-7	AK(f)	78	82	mg/kg	Updated Value
SOIL	Xylene (Total)	1330-20-7	AK(fi)	7.9	8	mg/kg	Updated Value
SOIL	Xylene (Total)	1330-20-7	DC(p)	19	18	mg/kg	Updated Value
SOIL	Xylene (Total)	1330-20-7	RF(f)	430	440	mg/kg	Updated Value
SOIL	Zinc	ZN	AK(f)	4900	5300	mg/kg	Updated Value
SOIL	Zinc	ZN	AK(fi)	660	670	mg/kg	Updated Value
SOIL	Zinc	ZN	AR(i)	97	99	mg/kg	Updated Value
SOIL	Zinc	ZN	RF(f)	14000	15000	mg/kg	Updated Value

- **Final ESL Updates**

ESL Medium	Analyte Code	FdESLTbSlc	New Receptor(s)	New TRV	Previous Receptor(s)	Previous Value	Units	Status
SEDIMENT	108-95-2	FINAL	BA(i)	240	BA(i)	250	mg/kg	Updated Value
SEDIMENT	120-82-1	FINAL	BA(i)	4.5	BA(i)	4.6	mg/kg	Updated Value
SEDIMENT	12672-29-6	FINAL	BA(i)	0.009	BA(i)	0.0092	mg/kg	Updated Value
SEDIMENT	1746-01-6	FINAL	BA(i)	0.00000065	BA(i)	0.00000066	mg/kg	Updated Value
SEDIMENT	19406-51-0	FINAL	BA(i)	7.5	BA(i)	7.6	mg/kg	Updated Value
SEDIMENT	479-45-8	FINAL	BA(i)	5.2	BA(i)	5.3	mg/kg	Updated Value
SEDIMENT	60-57-1	FINAL	AQ(s), BA(i)	0.052	AQ(s)	0.052	mg/kg	Updated Receptor
SEDIMENT	67-66-3	FINAL	BA(i)	58	BA(i)	59	mg/kg	Updated Value
SEDIMENT	78-93-3	FINAL	BA(i)	8000	BA(i)	8100	mg/kg	Updated Value
SEDIMENT	87-86-5	FINAL	BA(i)	0.65	BA(i)	0.66	mg/kg	Updated Value
SEDIMENT	99-08-1	FINAL	BA(i)	7.9	BA(i)	8	mg/kg	Updated Value
SEDIMENT	AG	FINAL	BA(i)	0.12	BA(i)	0.5	mg/kg	Updated Value
SEDIMENT	AS	FINAL	BA(i)	1.1	BA(i)	1.2	mg/kg	Updated Value
SEDIMENT	SR	FINAL	BA(i)	150	BA(i)	620	mg/kg	Updated Value
SEDIMENT	TI	FINAL	BA(i)	98	BA(i)	99	mg/kg	Updated Value
SOIL	107-06-2	FINAL	AR(p)	4.6	AR(p)	4.7	mg/kg	Updated Value
SOIL	108-88-3	FINAL	VS(i)	70	VS(i)	71	mg/kg	Updated Value

ESL Medium	Analyte Code	FdESLTbSlc	New Receptor(s)	New TRV	Previous Receptor(s)	Previous Value	Units	Status
SOIL	121-82-4	FINAL	DM(ip)	9.2	DM(ip)	9.1	mg/kg	Updated Value
SOIL	127-18-4	FINAL	DM(ip), VS(i)	3.8	DM(ip)	3.7	mg/kg	Updated Value/ Receptor
SOIL	218-01-9	FINAL	VS(i)	2.4	VS(i)	2.5	mg/kg	Updated Value
SOIL	2691-41-0	FINAL	DM(ip)	43	DM(ip)	42	mg/kg	Updated Value
SOIL	50-32-8	FINAL	VS(i)	9.6	VS(i)	9.7	mg/kg	Updated Value
SOIL	55-63-0	FINAL	DM(ip)	150	DM(ip)	140	mg/kg	Updated Value
SOIL	60-57-1	FINAL	VS(i)	0.04	VS(i)	0.041	mg/kg	Updated Value
SOIL	65-85-0	FINAL	DM(ip)	7.3	DM(ip)	7.2	mg/kg	Updated Value
SOIL	67-64-1	FINAL	DM(ip)	3.8	DM(ip)	3.7	mg/kg	Updated Value
SOIL	75-09-2	FINAL	DM(ip)	7.1	DM(ip)	7	mg/kg	Updated Value
SOIL	99-99-0	FINAL	DM(ip)	9.4	DM(ip)	9.3	mg/kg	Updated Value
SOIL	PB	FINAL	AR(i)	55	AR(i)	56	mg/kg	Updated Value
SOIL	SR	FINAL	DM(ip)	71	DM(ip)	89	mg/kg	Updated Value

- **New TRVs (none)**
- **Updated TRVs (none)**
- **New PTSE TRVs (none)**

- **Other Parameter Changes**

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_flesh_dw	SOIL	AK(f)	9.75	9.01671987442082	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_flesh_dw	SOIL	AK(fi)	9.75	9.01671987442082	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_flesh_dw	SOIL	RF(f)	9.75	9.01671987442082	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_invert_dw	SEDIMENT	BA(i)	9.5	9.52095808383233	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_invert_dw	SEDIMENT	VGS(i)	9.5	9.52095808383233	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_invert_dw	SOIL	AK(f)	9.5	9.52095808383233	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_invert_dw	SOIL	AK(fi)	9.5	9.52095808383233	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-	1746-	TF_invert_dw	SOIL	AR(i)	9.5	9.52095808383233	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
	]	01-6							figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_invert_dw	SOIL	AR(ip)	9.5	9.52095808383233	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_invert_dw	SOIL	DM(ip)	9.5	9.52095808383233	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_invert_dw	SOIL	RF(f)	9.5	9.52095808383233	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_invert_dw	SOIL	VS(i)	9.5	9.52095808383233	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_plant_dw	SOIL	AK(f)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_plant_dw	SOIL	AK(fi)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_plant_dw	SOIL	AR(ip)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_plant_dw	SOIL	AR(p)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_plant_dw	SOIL	DC(p)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_plant_dw	SOIL	DM(ip)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Dioxin/ Furan	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	TF_plant_dw	SOIL	RF(f)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_flesh_dw	SOIL	AK(f)	0.0178	1.68039438488233E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_flesh_dw	SOIL	AK(fi)	0.0178	1.68039438488233E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_flesh_dw	SOIL	RF(f)	0.0178	1.68039438488233E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_invert_dw	SEDIMENT	BA(i)	1.53	1.53015473496762	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_invert_dw	SEDIMENT	VGS(i)	1.53	1.53015473496762	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_invert_dw	SOIL	AK(f)	1.53	1.53015473496762	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_invert_dw	SOIL	AK(fi)	1.53	1.53015473496762	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_invert_dw	SOIL	AR(i)	1.53	1.53015473496762	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_invert_dw	SOIL	AR(ip)	1.53	1.53015473496762	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_invert_dw	SOIL	DM(ip)	1.53	1.53015473496762	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_invert_dw	SOIL	RF(f)	1.53	1.53015473496762	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_invert_dw	SOIL	VS(i)	1.53	1.53015473496762	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_plant_dw	SOIL	AK(f)	4.94	4.94310686986835	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_plant_dw	SOIL	AK(fi)	4.94	4.94310686986835	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_plant_dw	SOIL	AR(ip)	4.94	4.94310686986835	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_plant_dw	SOIL	AR(p)	4.94	4.94310686986835	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-	TF_plant_dw	SOIL	DC(p)	4.94	4.94310686986835	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
		7							figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_plant_dw	SOIL	DM(ip)	4.94	4.94310686986835	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrotoluene[2,4,6-]	118-96-7	TF_plant_dw	SOIL	RF(f)	4.94	4.94310686986835	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_flesh_dw	SOIL	AK(f)	0.0184	2.10801848081117E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_flesh_dw	SOIL	AK(fi)	0.0184	2.10801848081117E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_flesh_dw	SOIL	RF(f)	0.0184	2.10801848081117E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_invert_dw	SEDIMENT	BA(i)	1.6	1.60411444822927	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_invert_dw	SEDIMENT	VGS(i)	1.6	1.60411444822927	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-	TF_invert_dw	SOIL	AK(f)	1.6	1.60411444822927	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
		2							figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_invert_dw	SOIL	AK(fi)	1.6	1.60411444822927	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_invert_dw	SOIL	AR(i)	1.6	1.60411444822927	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_invert_dw	SOIL	AR(ip)	1.6	1.60411444822927	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_invert_dw	SOIL	DM(ip)	1.6	1.60411444822927	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_invert_dw	SOIL	RF(f)	1.6	1.60411444822927	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_invert_dw	SOIL	VS(i)	1.6	1.60411444822927	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_plant_dw	SOIL	AK(f)	3.44	3.43676629105625	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_plant_dw	SOIL	AK(fi)	3.44	3.43676629105625	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_plant_dw	SOIL	AR(ip)	3.44	3.43676629105625	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_plant_dw	SOIL	AR(p)	3.44	3.43676629105625	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_plant_dw	SOIL	DC(p)	3.44	3.43676629105625	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_plant_dw	SOIL	DM(ip)	3.44	3.43676629105625	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,4-]	121-14-2	TF_plant_dw	SOIL	RF(f)	3.44	3.43676629105625	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_flesh_dw	SOIL	AK(f)	0.0169	1.57653819506776E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	RDX	121-82-4	TF_flesh_dw	SOIL	AK(fi)	0.0169	1.57653819506776E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									{1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	RDX	121-82-4	TF_flesh_dw	SOIL	RF(f)	0.0169	1.57653819506776E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	RDX	121-82-4	TF_invert_dw	SEDIMENT	BA(i)	1.41	1.40680968830544	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_invert_dw	SEDIMENT	VGS(i)	1.41	1.40680968830544	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_invert_dw	SOIL	AK(f)	1.41	1.40680968830544	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_invert_dw	SOIL	AK(fi)	1.41	1.40680968830544	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_invert_dw	SOIL	AR(i)	1.41	1.40680968830544	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_invert_dw	SOIL	AR(ip)	1.41	1.40680968830544	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_invert_dw	SOIL	DM(ip)	1.41	1.40680968830544	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_invert_dw	SOIL	RF(f)	1.41	1.40680968830544	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_invert_dw	SOIL	VS(i)	1.41	1.40680968830544	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_plant_dw	SOIL	AK(f)	9.44	9.44169571567837	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_plant_dw	SOIL	AK(fi)	9.44	9.44169571567837	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-	TF_plant_dw	SOIL	AR(ip)	9.44	9.44169571567837	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
		4							figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_plant_dw	SOIL	AR(p)	9.44	9.44169571567837	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_plant_dw	SOIL	DC(p)	9.44	9.44169571567837	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_plant_dw	SOIL	DM(ip)	9.44	9.44169571567837	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	RDX	121-82-4	TF_plant_dw	SOIL	RF(f)	9.44	9.44169571567837	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_flesh_dw	SOIL	AK(f)	0.0183	1.95669991641396E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_flesh_dw	SOIL	AK(fi)	0.0183	1.95669991641396E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_flesh_dw	SOIL	RF(f)	0.0183	1.95669991641396E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-	TF_invert_dw	SEDIMENT	BA(i)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
		51-0							figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_invert_dw	SEDIMENT	VGS(i)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_invert_dw	SOIL	AK(f)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_invert_dw	SOIL	AK(fi)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_invert_dw	SOIL	AR(i)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_invert_dw	SOIL	AR(ip)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_invert_dw	SOIL	DM(ip)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_invert_dw	SOIL	RF(f)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_invert_dw	SOIL	VS(i)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_plant_dw	SOIL	AK(f)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_plant_dw	SOIL	AK(fi)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_plant_dw	SOIL	AR(ip)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_plant_dw	SOIL	AR(p)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_plant_dw	SOIL	DC(p)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_plant_dw	SOIL	DM(ip)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-2,6-dinitrotoluene[4-]	19406-51-0	TF_plant_dw	SOIL	RF(f)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_flesh_dw	SOIL	AK(f)	0.0162	1.50307648148806E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									changes.
High Explosive	HMX	2691-41-0	TF_flesh_dw	SOIL	AK(fi)	0.0162	1.50307648148806E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	HMX	2691-41-0	TF_flesh_dw	SOIL	RF(f)	0.0162	1.50307648148806E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	HMX	2691-41-0	TF_invert_dw	SEDIMENT	BA(i)	1.31	1.31140051692569	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_invert_dw	SEDIMENT	VGS(i)	1.31	1.31140051692569	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_invert_dw	SOIL	AK(f)	1.31	1.31140051692569	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_invert_dw	SOIL	AK(fi)	1.31	1.31140051692569	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_invert_dw	SOIL	AR(i)	1.31	1.31140051692569	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_invert_dw	SOIL	AR(ip)	1.31	1.31140051692569	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_invert_dw	SOIL	DM(ip)	1.31	1.31140051692569	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_invert_dw	SOIL	RF(f)	1.31	1.31140051692569	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_invert_dw	SOIL	VS(i)	1.31	1.31140051692569	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-	TF_plant_dw	SOIL	AK(f)	16.2	16.2143670477361	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
		41-0							figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_plant_dw	SOIL	AK(fi)	16.2	16.2143670477361	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_plant_dw	SOIL	AR(ip)	16.2	16.2143670477361	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_plant_dw	SOIL	AR(p)	16.2	16.2143670477361	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_plant_dw	SOIL	DC(p)	16.2	16.2143670477361	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_plant_dw	SOIL	DM(ip)	16.2	16.2143670477361	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	HMX	2691-41-0	TF_plant_dw	SOIL	RF(f)	16.2	16.2143670477361	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_flesh_dw	SOIL	AK(f)	0.0183	1.95669991641396E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_flesh_dw	SOIL	AK(fi)	0.0183	1.95669991641396E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_flesh_dw	SOIL	RF(f)	0.0183	1.95669991641396E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_invert_dw	SEDIMENT	BA(i)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_invert_dw	SEDIMENT	VGS(i)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_invert_dw	SOIL	AK(f)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_invert_dw	SOIL	AK(fi)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_invert_dw	SOIL	AR(i)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_invert_dw	SOIL	AR(ip)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_invert_dw	SOIL	DM(ip)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_invert_dw	SOIL	RF(f)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_invert_dw	SOIL	VS(i)	1.59	1.59123876573164	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_plant_dw	SOIL	AK(f)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_plant_dw	SOIL	AK(fi)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_plant_dw	SOIL	AR(ip)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_plant_dw	SOIL	AR(p)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_plant_dw	SOIL	DC(p)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_plant_dw	SOIL	DM(ip)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Amino-4,6-dinitrotoluene[2-]	35572-78-2	TF_plant_dw	SOIL	RF(f)	3.66	3.65678982617325	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_flesh_dw	SOIL	AK(f)	0.0179	1.68840999153126E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Tetryl	479-45-8	TF_flesh_dw	SOIL	AK(fi)	0.0179	1.68840999153126E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Tetryl	479-45-8	TF_flesh_dw	SOIL	RF(f)	0.0179	1.68840999153126E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Tetryl	479-45-8	TF_invert_dw	SEDIMENT	BA(i)	1.54	1.53898841465499	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_invert_dw	SEDIMENT	VGS(i)	1.54	1.53898841465499	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_invert_dw	SOIL	AK(f)	1.54	1.53898841465499	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_invert_dw	SOIL	AK(fi)	1.54	1.53898841465499	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_invert_dw	SOIL	AR(i)	1.54	1.53898841465499	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_invert_dw	SOIL	AR(ip)	1.54	1.53898841465499	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_invert_dw	SOIL	DM(ip)	1.54	1.53898841465499	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-	TF_invert_dw	SOIL	RF(f)	1.54	1.53898841465499	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
		8							figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_invert_dw	SOIL	VS(i)	1.54	1.53898841465499	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_plant_dw	SOIL	AK(f)	4.73	4.72878969581279	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_plant_dw	SOIL	AK(fi)	4.73	4.72878969581279	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_plant_dw	SOIL	AR(ip)	4.73	4.72878969581279	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_plant_dw	SOIL	AR(p)	4.73	4.72878969581279	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_plant_dw	SOIL	DC(p)	4.73	4.72878969581279	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_plant_dw	SOIL	DM(ip)	4.73	4.72878969581279	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Tetryl	479-45-8	TF_plant_dw	SOIL	RF(f)	4.73	4.72878969581279	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_flesh_dw	SOIL	AK(f)	0.0179	1.68358375989271E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Nitroglycerine	55-63-0	TF_flesh_dw	SOIL	AK(fi)	0.0179	1.68358375989271E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Nitroglycerine	55-63-0	TF_flesh_dw	SOIL	RF(f)	0.0179	1.68358375989271E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									{1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Nitroglycerine	55-63-0	TF_invert_dw	SEDIMENT	BA(i)	1.53	1.53368210592774	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_invert_dw	SEDIMENT	VGS(i)	1.53	1.53368210592774	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_invert_dw	SOIL	AK(f)	1.53	1.53368210592774	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_invert_dw	SOIL	AK(fi)	1.53	1.53368210592774	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_invert_dw	SOIL	AR(i)	1.53	1.53368210592774	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_invert_dw	SOIL	AR(ip)	1.53	1.53368210592774	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_invert_dw	SOIL	DM(ip)	1.53	1.53368210592774	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_invert_dw	SOIL	RF(f)	1.53	1.53368210592774	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_invert_dw	SOIL	VS(i)	1.53	1.53368210592774	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_plant_dw	SOIL	AK(f)	4.86	4.85623841391426	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_plant_dw	SOIL	AK(fi)	4.86	4.85623841391426	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_plant_dw	SOIL	AR(ip)	4.86	4.85623841391426	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_plant_dw	SOIL	AR(p)	4.86	4.85623841391426	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_plant_dw	SOIL	DC(p)	4.86	4.85623841391426	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_plant_dw	SOIL	DM(ip)	4.86	4.85623841391426	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitroglycerine	55-63-0	TF_plant_dw	SOIL	RF(f)	4.86	4.85623841391426	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_flesh_dw	SOIL	AK(f)	0.0182	0.018162475859321	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_flesh_dw	SOIL	AK(fi)	0.0182	0.018162475859321	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_flesh_dw	SOIL	RF(f)	0.0182	0.018162475859321	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_invert_dw	SEDIMENT	BA(i)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_invert_dw	SEDIMENT	VGS(i)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_invert_dw	SOIL	AK(f)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_invert_dw	SOIL	AK(fi)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_invert_dw	SOIL	AR(i)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_invert_dw	SOIL	AR(ip)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_invert_dw	SOIL	DM(ip)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_invert_dw	SOIL	RF(f)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_invert_dw	SOIL	VS(i)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_plant_dw	SOIL	AK(f)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_plant_dw	SOIL	AK(fi)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_plant_dw	SOIL	AR(ip)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_plant_dw	SOIL	AR(p)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_plant_dw	SOIL	DC(p)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_plant_dw	SOIL	DM(ip)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrotoluene[2,6-]	606-20-2	TF_plant_dw	SOIL	RF(f)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_flesh_dw	SOIL	AK(f)	0.137	0.128769451683992	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	PETN	78-11-5	TF_flesh_dw	SOIL	AK(fi)	0.137	0.128769451683992	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
High Explosive	PETN	78-11-5	TF_flesh_dw	SOIL	RF(f)	0.137	0.128769451683992	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	PETN	78-11-5	TF_invert_dw	SEDIMENT	BA(i)	1.95	1.95090153537101	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_invert_dw	SEDIMENT	VGS(i)	1.95	1.95090153537101	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_invert_dw	SOIL	AK(f)	1.95	1.95090153537101	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_invert_dw	SOIL	AK(fi)	1.95	1.95090153537101	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_invert_dw	SOIL	AR(i)	1.95	1.95090153537101	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_invert_dw	SOIL	AR(ip)	1.95	1.95090153537101	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_invert_dw	SOIL	DM(ip)	1.95	1.95090153537101	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_invert_dw	SOIL	RF(f)	1.95	1.95090153537101	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_invert_dw	SOIL	VS(i)	1.95	1.95090153537101	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_plant_dw	SOIL	AK(f)	0.761	0.761465094318583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_plant_dw	SOIL	AK(fi)	0.761	0.761465094318583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_plant_dw	SOIL	AR(ip)	0.761	0.761465094318583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_plant_dw	SOIL	AR(p)	0.761	0.761465094318583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_plant_dw	SOIL	DC(p)	0.761	0.761465094318583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
High Explosive	PETN	78-11-5	TF_plant_dw	SOIL	DM(ip)	0.761	0.761465094318583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	PETN	78-11-5	TF_plant_dw	SOIL	RF(f)	0.761	0.761465094318583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_flesh_dw	SOIL	AK(f)	0.0188	2.87016740437847E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_flesh_dw	SOIL	AK(fi)	0.0188	2.87016740437847E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_flesh_dw	SOIL	RF(f)	0.0188	2.87016740437847E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_invert_dw	SEDIMENT	BA(i)	1.66	1.65857589984838	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_invert_dw	SEDIMENT	VGS(i)	1.66	1.65857589984838	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_invert_dw	SOIL	AK(f)	1.66	1.65857589984838	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
High Explosive	Nitrotoluene[2-]	88-72-2	TF_invert_dw	SOIL	AK(fi)	1.66	1.65857589984838	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_invert_dw	SOIL	AR(i)	1.66	1.65857589984838	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_invert_dw	SOIL	AR(ip)	1.66	1.65857589984838	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_invert_dw	SOIL	DM(ip)	1.66	1.65857589984838	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_invert_dw	SOIL	RF(f)	1.66	1.65857589984838	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_invert_dw	SOIL	VS(i)	1.66	1.65857589984838	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_plant_dw	SOIL	AK(f)	2.66	2.65766354955431	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_plant_dw	SOIL	AK(fi)	2.66	2.65766354955431	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_plant_dw	SOIL	AR(ip)	2.66	2.65766354955431	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_plant_dw	SOIL	AR(p)	2.66	2.65766354955431	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_plant_dw	SOIL	DC(p)	2.66	2.65766354955431	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_plant_dw	SOIL	DM(ip)	2.66	2.65766354955431	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[2-]	88-72-2	TF_plant_dw	SOIL	RF(f)	2.66	2.65766354955431	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_flesh_dw	SOIL	AK(f)	0.0191	3.36698461213858E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_flesh_dw	SOIL	AK(fi)	0.0191	3.36698461213858E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 -

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_flesh_dw	SOIL	RF(f)	0.0191	3.36698461213858E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_invert_dw	SEDIMENT	BA(i)	1.69	1.68746724078617	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_invert_dw	SEDIMENT	VGS(i)	1.69	1.68746724078617	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_invert_dw	SOIL	AK(f)	1.69	1.68746724078617	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_invert_dw	SOIL	AK(fi)	1.69	1.68746724078617	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_invert_dw	SOIL	AR(i)	1.69	1.68746724078617	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_invert_dw	SOIL	AR(ip)	1.69	1.68746724078617	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_invert_dw	SOIL	DM(ip)	1.69	1.68746724078617	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_invert_dw	SOIL	RF(f)	1.69	1.68746724078617	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_invert_dw	SOIL	VS(i)	1.69	1.68746724078617	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_plant_dw	SOIL	AK(f)	2.33	2.32675148626295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_plant_dw	SOIL	AK(fi)	2.33	2.32675148626295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_plant_dw	SOIL	AR(ip)	2.33	2.32675148626295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
High Explosive	Nitrotoluene[3-]	99-08-1	TF_plant_dw	SOIL	AR(p)	2.33	2.32675148626295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_plant_dw	SOIL	DC(p)	2.33	2.32675148626295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_plant_dw	SOIL	DM(ip)	2.33	2.32675148626295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[3-]	99-08-1	TF_plant_dw	SOIL	RF(f)	2.33	2.32675148626295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_flesh_dw	SOIL	AK(f)	0.0173	1.61799595100784E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_flesh_dw	SOIL	AK(fi)	0.0173	1.61799595100784E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_flesh_dw	SOIL	RF(f)	0.0173	1.61799595100784E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_invert_dw	SEDIMENT	BA(i)	1.46	1.45792556183977	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_invert_dw	SEDIMENT	VGS(i)	1.46	1.45792556183977	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_invert_dw	SOIL	AK(f)	1.46	1.45792556183977	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_invert_dw	SOIL	AK(fi)	1.46	1.45792556183977	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_invert_dw	SOIL	AR(i)	1.46	1.45792556183977	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_invert_dw	SOIL	AR(ip)	1.46	1.45792556183977	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_invert_dw	SOIL	DM(ip)	1.46	1.45792556183977	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_invert_dw	SOIL	RF(f)	1.46	1.45792556183977	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_invert_dw	SOIL	VS(i)	1.46	1.45792556183977	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_plant_dw	SOIL	AK(f)	7.17	7.17298627756709	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_plant_dw	SOIL	AK(fi)	7.17	7.17298627756709	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_plant_dw	SOIL	AR(ip)	7.17	7.17298627756709	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_plant_dw	SOIL	AR(p)	7.17	7.17298627756709	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_plant_dw	SOIL	DC(p)	7.17	7.17298627756709	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_plant_dw	SOIL	DM(ip)	7.17	7.17298627756709	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Trinitrobenzene[1,3,5-]	99-35-4	TF_plant_dw	SOIL	RF(f)	7.17	7.17298627756709	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_flesh_dw	SOIL	AK(f)	0.0177	1.66323740536403E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_flesh_dw	SOIL	AK(fi)	0.0177	1.66323740536403E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_flesh_dw	SOIL	RF(f)	0.0177	1.66323740536403E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_invert_dw	SEDIMENT	BA(i)	1.51	1.51089871041913	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_invert_dw	SEDIMENT	VGS(i)	1.51	1.51089871041913	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_invert_dw	SOIL	AK(f)	1.51	1.51089871041913	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_invert_dw	SOIL	AK(fi)	1.51	1.51089871041913	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_invert_dw	SOIL	AR(i)	1.51	1.51089871041913	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_invert_dw	SOIL	AR(ip)	1.51	1.51089871041913	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_invert_dw	SOIL	DM(ip)	1.51	1.51089871041913	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_invert_dw	SOIL	RF(f)	1.51	1.51089871041913	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_invert_dw	SOIL	VS(i)	1.51	1.51089871041913	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_plant_dw	SOIL	AK(f)	5.45	5.44941647004445	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_plant_dw	SOIL	AK(fi)	5.45	5.44941647004445	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_plant_dw	SOIL	AR(ip)	5.45	5.44941647004445	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_plant_dw	SOIL	AR(p)	5.45	5.44941647004445	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_plant_dw	SOIL	DC(p)	5.45	5.44941647004445	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_plant_dw	SOIL	DM(ip)	5.45	5.44941647004445	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Dinitrobenzene[1,3-]	99-65-0	TF_plant_dw	SOIL	RF(f)	5.45	5.44941647004445	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_flesh_dw	SOIL	AK(f)	0.0189	3.09216384569894E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_flesh_dw	SOIL	AK(fi)	0.0189	3.09216384569894E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_flesh_dw	SOIL	RF(f)	0.0189	3.09216384569894E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_invert_dw	SEDIMENT	BA(i)	1.67	1.67199644813099	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_invert_dw	SEDIMENT	VGS(i)	1.67	1.67199644813099	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_invert_dw	SOIL	AK(f)	1.67	1.67199644813099	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_invert_dw	SOIL	AK(fi)	1.67	1.67199644813099	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_invert_dw	SOIL	AR(i)	1.67	1.67199644813099	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_invert_dw	SOIL	AR(ip)	1.67	1.67199644813099	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_invert_dw	SOIL	DM(ip)	1.67	1.67199644813099	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_invert_dw	SOIL	RF(f)	1.67	1.67199644813099	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_invert_dw	SOIL	VS(i)	1.67	1.67199644813099	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_plant_dw	SOIL	AK(f)	2.5	2.49775593738059	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_plant_dw	SOIL	AK(fi)	2.5	2.49775593738059	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_plant_dw	SOIL	AR(ip)	2.5	2.49775593738059	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_plant_dw	SOIL	AR(p)	2.5	2.49775593738059	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_plant_dw	SOIL	DC(p)	2.5	2.49775593738059	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_plant_dw	SOIL	DM(ip)	2.5	2.49775593738059	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
High Explosive	Nitrotoluene[4-]	99-99-0	TF_plant_dw	SOIL	RF(f)	2.5	2.49775593738059	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Silver	AG	TF_flesh_dw	SOIL	AK(f)	0.002	0.0019251	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw,

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Silver	AG	TF_flesh_dw	SOIL	AK(fi)	0.002	0.0019251	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Silver	AG	TF_flesh_dw	SOIL	RF(f)	0.002	0.0019251	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Silver	AG	TF_invert_dw	SEDIMENT	BA(i)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Silver	AG	TF_invert_dw	SEDIMENT	VGS(i)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Silver	AG	TF_invert_dw	SOIL	AK(f)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Silver	AG	TF_invert_dw	SOIL	AK(fi)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Silver	AG	TF_invert_dw	SOIL	AR(i)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Silver	AG	TF_invert_dw	SOIL	AR(ip)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Silver	AG	TF_invert_dw	SOIL	DM(ip)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Silver	AG	TF_invert_dw	SOIL	RF(f)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Inorganic Compound	Silver	AG	TF_invert_dw	SOIL	VS(i)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Aluminum	AL	TF_flesh_dw	SOIL	AK(f)	0.001	0.00096255	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Aluminum	AL	TF_flesh_dw	SOIL	AK(fi)	0.001	0.00096255	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Aluminum	AL	TF_flesh_dw	SOIL	RF(f)	0.001	0.00096255	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Arsenic	AS	TF_flesh_dw	SOIL	AK(f)	0.000886	8.70747305389222E-04	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									changes.
Inorganic Compound	Arsenic	AS	TF_flesh_dw	SOIL	AK(fi)	0.000886	8.70747305389222E-04	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Arsenic	AS	TF_flesh_dw	SOIL	RF(f)	0.000886	8.70747305389222E-04	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Arsenic	AS	TF_invert_dw	SEDIMENT	BA(i)	0.66	0.658682634730539	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Arsenic	AS	TF_invert_dw	SEDIMENT	VGS(i)	0.66	0.658682634730539	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Arsenic	AS	TF_invert_dw	SOIL	AK(f)	0.66	0.658682634730539	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Arsenic	AS	TF_invert_dw	SOIL	AK(fi)	0.66	0.658682634730539	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Arsenic	AS	TF_invert_dw	SOIL	AR(i)	0.66	0.658682634730539	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Arsenic	AS	TF_invert_dw	SOIL	AR(ip)	0.66	0.658682634730539	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Arsenic	AS	TF_invert_dw	SOIL	DM(ip)	0.66	0.658682634730539	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Arsenic	AS	TF_invert_dw	SOIL	RF(f)	0.66	0.658682634730539	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Arsenic	AS	TF_invert_dw	SOIL	VS(i)	0.66	0.658682634730539	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic	Boron	B	TF_flesh_dw	SOIL	AK(f)	0.000817	0.00077376	Updated Value	This parameter is a calculated value.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Compound									Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Boron	B	TF_flesh_dw	SOIL	AK(fi)	0.000817	0.00077376	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Boron	B	TF_flesh_dw	SOIL	RF(f)	0.000817	0.00077376	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Barium	BA	TF_flesh_dw	SOIL	AK(f)	0.0001	0.000096255	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Barium	BA	TF_flesh_dw	SOIL	AK(fi)	0.0001	0.000096255	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									[I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Barium	BA	TF_flesh_dw	SOIL	RF(f)	0.0001	0.000096255	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Beryllium	BE	TF_flesh_dw	SOIL	AK(f)	0.000667	0.0006417	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Beryllium	BE	TF_flesh_dw	SOIL	AK(fi)	0.000667	0.0006417	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Beryllium	BE	TF_flesh_dw	SOIL	RF(f)	0.000667	0.0006417	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									{1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Calcium	CA	TF_flesh_dw	SOIL	AK(f)	N/A	0.000595665	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Calcium	CA	TF_flesh_dw	SOIL	AK(fi)	N/A	0.000595665	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Calcium	CA	TF_flesh_dw	SOIL	RF(f)	N/A	0.000595665	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Calcium	CA	TF_invert_dw	SEDIMENT	BA(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Calcium	CA	TF_invert_dw	SEDIMENT	VGS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Calcium	CA	TF_invert_dw	SOIL	AK(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Calcium	CA	TF_invert_dw	SOIL	AK(fi)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Calcium	CA	TF_invert_dw	SOIL	AR(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Calcium	CA	TF_invert_dw	SOIL	AR(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Calcium	CA	TF_invert_dw	SOIL	DM(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Calcium	CA	TF_invert_dw	SOIL	RF(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Calcium	CA	TF_invert_dw	SOIL	VS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Cadmium	CD	TF_flesh_dw	SOIL	AK(f)	0.00207	1.93169353293413E-03	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									changes.
Inorganic Compound	Cadmium	CD	TF_flesh_dw	SOIL	AK(fi)	0.00207	1.93169353293413E-03	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Cadmium	CD	TF_flesh_dw	SOIL	RF(f)	0.00207	1.93169353293413E-03	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Cadmium	CD	TF_invert_dw	SEDIMENT	BA(i)	5.7	5.74850299401197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Cadmium	CD	TF_invert_dw	SEDIMENT	VGS(i)	5.7	5.74850299401197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Cadmium	CD	TF_invert_dw	SOIL	AK(f)	5.7	5.74850299401197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Cadmium	CD	TF_invert_dw	SOIL	AK(fi)	5.7	5.74850299401197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Cadmium	CD	TF_invert_dw	SOIL	AR(i)	5.7	5.74850299401197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Cadmium	CD	TF_invert_dw	SOIL	AR(ip)	5.7	5.74850299401197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Cadmium	CD	TF_invert_dw	SOIL	DM(ip)	5.7	5.74850299401197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Cadmium	CD	TF_invert_dw	SOIL	RF(f)	5.7	5.74850299401197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Cadmium	CD	TF_invert_dw	SOIL	VS(i)	5.7	5.74850299401197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic	Chloride	CL(-1)	TF_flesh_dw	SOIL	AK(f)	N/A	1.304976	Deleted Value	Not a chemical of exposure concern at LANL.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Compound									
Inorganic Compound	Chloride	CL(-1)	TF_flesh_dw	SOIL	AK(fi)	N/A	1.304976	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Chloride	CL(-1)	TF_flesh_dw	SOIL	RF(f)	N/A	1.304976	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Chloride	CL(-1)	TF_invert_dw	SEDIMENT	BA(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Chloride	CL(-1)	TF_invert_dw	SEDIMENT	VGS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Chloride	CL(-1)	TF_invert_dw	SOIL	AK(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Chloride	CL(-1)	TF_invert_dw	SOIL	AK(fi)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Chloride	CL(-1)	TF_invert_dw	SOIL	AR(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Chloride	CL(-1)	TF_invert_dw	SOIL	AR(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Chloride	CL(-1)	TF_invert_dw	SOIL	DM(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Chloride	CL(-1)	TF_invert_dw	SOIL	RF(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Chloride	CL(-1)	TF_invert_dw	SOIL	VS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Cyanide (total)	CN(-1)	TF_flesh_dw	SOIL	AK(f)	0.262	0.6417	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Cyanide (total)	CN(-1)	TF_flesh_dw	SOIL	AK(fi)	0.262	0.6417	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Cyanide (total)	CN(-1)	TF_flesh_dw	SOIL	RF(f)	0.262	0.6417	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Cobalt	CO	TF_flesh_dw	SOIL	AK(f)	0.0133	0.012834	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Cobalt	CO	TF_flesh_dw	SOIL	AK(fi)	0.0133	0.012834	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Cobalt	CO	TF_flesh_dw	SOIL	RF(f)	0.0133	0.012834	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
Inorganic Compound	Chromium (total)	CR	TF_flesh_dw	SOIL	AK(f)	0.000265	4.03686826347305E-04	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Chromium (total)	CR	TF_flesh_dw	SOIL	AK(fi)	0.000265	4.03686826347305E-04	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Chromium (total)	CR	TF_flesh_dw	SOIL	RF(f)	0.000265	4.03686826347305E-04	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Chromium (total)	CR	TF_invert_dw	SEDIMENT	BA(i)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium (total)	CR	TF_invert_dw	SEDIMENT	VGS(i)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium (total)	CR	TF_invert_dw	SOIL	AK(f)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium (total)	CR	TF_invert_dw	SOIL	AK(fi)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Inorganic Compound	Chromium (total)	CR	TF_invert_dw	SOIL	AR(i)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium (total)	CR	TF_invert_dw	SOIL	AR(ip)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium (total)	CR	TF_invert_dw	SOIL	DM(ip)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium (total)	CR	TF_invert_dw	SOIL	RF(f)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium (total)	CR	TF_invert_dw	SOIL	VS(i)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium(+6)	CR(+6)	TF_flesh_dw	SOIL	AK(f)	0.000265	4.03686826347305E-04	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Chromium(+6)	CR(+6)	TF_flesh_dw	SOIL	AK(fi)	0.000265	4.03686826347305E-04	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Chromium(+6)	CR(+6)	TF_flesh_dw	SOIL	RF(f)	0.000265	4.03686826347305E-04	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Inorganic Compound	Chromium(+6)	CR(+6)	TF_invert_dw	SEDIMENT	BA(i)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium(+6)	CR(+6)	TF_invert_dw	SEDIMENT	VGS(i)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium(+6)	CR(+6)	TF_invert_dw	SOIL	AK(f)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium(+6)	CR(+6)	TF_invert_dw	SOIL	AK(fi)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium(+6)	CR(+6)	TF_invert_dw	SOIL	AR(i)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium(+6)	CR(+6)	TF_invert_dw	SOIL	AR(ip)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium(+6)	CR(+6)	TF_invert_dw	SOIL	DM(ip)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium(+6)	CR(+6)	TF_invert_dw	SOIL	RF(f)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Chromium(+6)	CR(+6)	TF_invert_dw	SOIL	VS(i)	0.06	5.98802395209581E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Copper	CU	TF_flesh_dw	SOIL	AK(f)	0.0011	1.81990419161677E-03	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Copper	CU	TF_flesh_dw	SOIL	AK(fi)	0.0011	1.81990419161677E-03	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Copper	CU	TF_flesh_dw	SOIL	RF(f)	0.0011	1.81990419161677E-03	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									[I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Copper	CU	TF_invert_dw	SEDIMENT	BA(i)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Copper	CU	TF_invert_dw	SEDIMENT	VGS(i)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Copper	CU	TF_invert_dw	SOIL	AK(f)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Copper	CU	TF_invert_dw	SOIL	AK(fi)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Copper	CU	TF_invert_dw	SOIL	AR(i)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Copper	CU	TF_invert_dw	SOIL	AR(ip)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Copper	CU	TF_invert_dw	SOIL	DM(ip)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Copper	CU	TF_invert_dw	SOIL	RF(f)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Copper	CU	TF_invert_dw	SOIL	VS(i)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Fluoride	F(-1)	TF_flesh_dw	SOIL	AK(f)	0.1	0.096255	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Fluoride	F(-1)	TF_flesh_dw	SOIL	AK(fi)	0.1	0.096255	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 -

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Fluoride	F(-1)	TF_flesh_dw	SOIL	RF(f)	0.1	0.096255	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Iron	FE	TF_flesh_dw	SOIL	AK(f)	N/A	0.012834	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Iron	FE	TF_flesh_dw	SOIL	AK(fi)	N/A	0.012834	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Iron	FE	TF_flesh_dw	SOIL	RF(f)	N/A	0.012834	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Iron	FE	TF_invert_dw	SEDIMENT	BA(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Iron	FE	TF_invert_dw	SEDIMENT	VGS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Iron	FE	TF_invert_dw	SOIL	AK(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Iron	FE	TF_invert_dw	SOIL	AK(fi)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Iron	FE	TF_invert_dw	SOIL	AR(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Iron	FE	TF_invert_dw	SOIL	AR(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Iron	FE	TF_invert_dw	SOIL	DM(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Iron	FE	TF_invert_dw	SOIL	RF(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Iron	FE	TF_invert_dw	SOIL	VS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Inorganic Compound	Mercury (inorganic)	HGI	TF_flesh_dw	SOIL	AK(f)	0.0417	4.54976047904192E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Mercury (inorganic)	HGI	TF_flesh_dw	SOIL	AK(fi)	0.0417	4.54976047904192E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Mercury (inorganic)	HGI	TF_flesh_dw	SOIL	RF(f)	0.0417	4.54976047904192E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Mercury (inorganic)	HGI	TF_invert_dw	SEDIMENT	BA(i)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (inorganic)	HGI	TF_invert_dw	SEDIMENT	VGS(i)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (inorganic)	HGI	TF_invert_dw	SOIL	AK(f)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (inorganic)	HGI	TF_invert_dw	SOIL	AK(fi)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (inorganic)	HGI	TF_invert_dw	SOIL	AR(i)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Inorganic Compound	Mercury (inorganic)	HGI	TF_invert_dw	SOIL	AR(ip)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (inorganic)	HGI	TF_invert_dw	SOIL	DM(ip)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (inorganic)	HGI	TF_invert_dw	SOIL	RF(f)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (inorganic)	HGI	TF_invert_dw	SOIL	VS(i)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (methyl)	HGM	TF_flesh_dw	SOIL	AK(f)	8.39	7.70129101796407	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Mercury (methyl)	HGM	TF_flesh_dw	SOIL	AK(fi)	8.39	7.70129101796407	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Mercury (methyl)	HGM	TF_flesh_dw	SOIL	RF(f)	8.39	7.70129101796407	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Mercury (methyl)	HGM	TF_invert_dw	SEDIMENT	BA(i)	51	50.8982035928144	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Inorganic Compound	Mercury (methyl)	HGM	TF_invert_dw	SEDIMENT	VGS(i)	51	50.8982035928144	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (methyl)	HGM	TF_invert_dw	SOIL	AK(f)	51	50.8982035928144	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (methyl)	HGM	TF_invert_dw	SOIL	AK(fi)	51	50.8982035928144	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (methyl)	HGM	TF_invert_dw	SOIL	AR(i)	51	50.8982035928144	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (methyl)	HGM	TF_invert_dw	SOIL	AR(ip)	51	50.8982035928144	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (methyl)	HGM	TF_invert_dw	SOIL	DM(ip)	51	50.8982035928144	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (methyl)	HGM	TF_invert_dw	SOIL	RF(f)	51	50.8982035928144	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Mercury (methyl)	HGM	TF_invert_dw	SOIL	VS(i)	51	50.8982035928144	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Potassium	K	TF_flesh_dw	SOIL	AK(f)	N/A	0.012834	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Potassium	K	TF_flesh_dw	SOIL	AK(fi)	N/A	0.012834	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Potassium	K	TF_flesh_dw	SOIL	RF(f)	N/A	0.012834	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Potassium	K	TF_invert_dw	SEDIMENT	BA(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Potassium	K	TF_invert_dw	SEDIMENT	VGS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Potassium	K	TF_invert_dw	SOIL	AK(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Potassium	K	TF_invert_dw	SOIL	AK(fi)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Potassium	K	TF_invert_dw	SOIL	AR(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Potassium	K	TF_invert_dw	SOIL	AR(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Potassium	K	TF_invert_dw	SOIL	DM(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Potassium	K	TF_invert_dw	SOIL	RF(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Potassium	K	TF_invert_dw	SOIL	VS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Inorganic Compound	Lithium	LI	TF_flesh_dw	SOIL	AK(f)	N/A	0.006417	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Lithium	LI	TF_flesh_dw	SOIL	AK(fi)	N/A	0.006417	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Lithium	LI	TF_flesh_dw	SOIL	RF(f)	N/A	0.006417	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Lithium	LI	TF_invert_dw	SEDIMENT	BA(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Lithium	LI	TF_invert_dw	SEDIMENT	VGS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Lithium	LI	TF_invert_dw	SOIL	AK(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Lithium	LI	TF_invert_dw	SOIL	AK(fi)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Lithium	LI	TF_invert_dw	SOIL	AR(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Lithium	LI	TF_invert_dw	SOIL	AR(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Lithium	LI	TF_invert_dw	SOIL	DM(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Lithium	LI	TF_invert_dw	SOIL	RF(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Lithium	LI	TF_invert_dw	SOIL	VS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Magnesium	MG	TF_flesh_dw	SOIL	AK(f)	N/A	0.0032085	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Magnesium	MG	TF_flesh_dw	SOIL	AK(fi)	N/A	0.0032085	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Magnesium	MG	TF_flesh_dw	SOIL	RF(f)	N/A	0.0032085	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Magnesium	MG	TF_invert_dw	SEDIMENT	BA(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Magnesium	MG	TF_invert_dw	SEDIMENT	VGS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Magnesium	MG	TF_invert_dw	SOIL	AK(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Magnesium	MG	TF_invert_dw	SOIL	AK(fi)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Magnesium	MG	TF_invert_dw	SOIL	AR(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Inorganic Compound	Magnesium	MG	TF_invert_dw	SOIL	AR(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Magnesium	MG	TF_invert_dw	SOIL	DM(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Magnesium	MG	TF_invert_dw	SOIL	RF(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Magnesium	MG	TF_invert_dw	SOIL	VS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Manganese	MN	TF_flesh_dw	SOIL	AK(f)	0.0000878	0.000092256	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Manganese	MN	TF_flesh_dw	SOIL	AK(fi)	0.0000878	0.000092256	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Manganese	MN	TF_flesh_dw	SOIL	RF(f)	0.0000878	0.000092256	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Molybdenum	MO	TF_flesh_dw	SOIL	AK(f)	N/A	0.0038502	Deleted Value	Not a chemical of exposure concern at LANL.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Inorganic Compound	Molybdenum	MO	TF_flesh_dw	SOIL	AK(fi)	N/A	0.0038502	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Molybdenum	MO	TF_flesh_dw	SOIL	RF(f)	N/A	0.0038502	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Molybdenum	MO	TF_invert_dw	SEDIMENT	BA(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Molybdenum	MO	TF_invert_dw	SEDIMENT	VGS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Molybdenum	MO	TF_invert_dw	SOIL	AK(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Molybdenum	MO	TF_invert_dw	SOIL	AK(fi)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Molybdenum	MO	TF_invert_dw	SOIL	AR(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Molybdenum	MO	TF_invert_dw	SOIL	AR(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Molybdenum	MO	TF_invert_dw	SOIL	DM(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Molybdenum	MO	TF_invert_dw	SOIL	RF(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Molybdenum	MO	TF_invert_dw	SOIL	VS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Sodium	NA	TF_flesh_dw	SOIL	AK(f)	N/A	0.0352935	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Sodium	NA	TF_flesh_dw	SOIL	AK(fi)	N/A	0.0352935	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Sodium	NA	TF_flesh_dw	SOIL	RF(f)	N/A	0.0352935	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Sodium	NA	TF_invert_dw	SEDIMENT	BA(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Sodium	NA	TF_invert_dw	SEDIMENT	VGS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Sodium	NA	TF_invert_dw	SOIL	AK(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Sodium	NA	TF_invert_dw	SOIL	AK(fi)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Sodium	NA	TF_invert_dw	SOIL	AR(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Sodium	NA	TF_invert_dw	SOIL	AR(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Inorganic Compound	Sodium	NA	TF_invert_dw	SOIL	DM(ip)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Sodium	NA	TF_invert_dw	SOIL	RF(f)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Sodium	NA	TF_invert_dw	SOIL	VS(i)	N/A	1	Deleted Value	Not a chemical of exposure concern at LANL.
Inorganic Compound	Nickel	NI	TF_flesh_dw	SOIL	AK(f)	0.000527	6.5757125748503E-04	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Nickel	NI	TF_flesh_dw	SOIL	AK(fi)	0.000527	6.5757125748503E-04	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Nickel	NI	TF_flesh_dw	SOIL	RF(f)	0.000527	6.5757125748503E-04	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Nickel	NI	TF_invert_dw	SEDIMENT	BA(i)	0.12	0.119760479041916	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Nickel	NI	TF_invert_dw	SEDIMENT	VGS(i)	0.12	0.119760479041916	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Inorganic Compound	Nickel	NI	TF_invert_dw	SOIL	AK(f)	0.12	0.119760479041916	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Nickel	NI	TF_invert_dw	SOIL	AK(fi)	0.12	0.119760479041916	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Nickel	NI	TF_invert_dw	SOIL	AR(i)	0.12	0.119760479041916	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Nickel	NI	TF_invert_dw	SOIL	AR(ip)	0.12	0.119760479041916	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Nickel	NI	TF_invert_dw	SOIL	DM(ip)	0.12	0.119760479041916	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Nickel	NI	TF_invert_dw	SOIL	RF(f)	0.12	0.119760479041916	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Nickel	NI	TF_invert_dw	SOIL	VS(i)	0.12	0.119760479041916	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Lead	PB	TF_flesh_dw	SOIL	AK(f)	0.0000382	4.37378443113772E-05	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Lead	PB	TF_flesh_dw	SOIL	AK(fi)	0.0000382	4.37378443113772E-05	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Lead	PB	TF_flesh_dw	SOIL	RF(f)	0.0000382	4.37378443113772E-05	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Lead	PB	TF_invert_dw	SEDIMENT	BA(i)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Lead	PB	TF_invert_dw	SEDIMENT	VGS(i)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Lead	PB	TF_invert_dw	SOIL	AK(f)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Lead	PB	TF_invert_dw	SOIL	AK(fi)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Lead	PB	TF_invert_dw	SOIL	AR(i)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Lead	PB	TF_invert_dw	SOIL	AR(ip)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Lead	PB	TF_invert_dw	SOIL	DM(ip)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Lead	PB	TF_invert_dw	SOIL	RF(f)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Lead	PB	TF_invert_dw	SOIL	VS(i)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Antimony	SB	TF_flesh_dw	SOIL	AK(f)	0.000667	0.0006417	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Antimony	SB	TF_flesh_dw	SOIL	AK(fi)	0.000667	0.0006417	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
Inorganic Compound	Antimony	SB	TF_flesh_dw	SOIL	RF(f)	0.000667	0.0006417	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Selenium	SE	TF_flesh_dw	SOIL	AK(f)	0.01	0.0096255	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Selenium	SE	TF_flesh_dw	SOIL	AK(fi)	0.01	0.0096255	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Selenium	SE	TF_flesh_dw	SOIL	RF(f)	0.01	0.0096255	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									changes.
Inorganic Compound	Strontium (stable)	SR	TF_flesh_dw	SOIL	AK(f)	0.000192	0.00019251	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Strontium (stable)	SR	TF_flesh_dw	SOIL	AK(fi)	0.000192	0.00019251	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Strontium (stable)	SR	TF_flesh_dw	SOIL	RF(f)	0.000192	0.00019251	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Strontium (stable)	SR	TF_invert_dw	SEDIMENT	BA(i)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Strontium (stable)	SR	TF_invert_dw	SEDIMENT	VGS(i)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Strontium (stable)	SR	TF_invert_dw	SOIL	AK(f)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Strontium (stable)	SR	TF_invert_dw	SOIL	AK(fi)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic	Strontium (stable)	SR	TF_invert_dw	SOIL	AR(i)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Compound									replaced with the correct value of 1.
Inorganic Compound	Strontium (stable)	SR	TF_invert_dw	SOIL	AR(ip)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Strontium (stable)	SR	TF_invert_dw	SOIL	DM(ip)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Strontium (stable)	SR	TF_invert_dw	SOIL	RF(f)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Strontium (stable)	SR	TF_invert_dw	SOIL	VS(i)	1	0.25	Updated Value	Previous value of 0.25 was incorrect and was replaced with the correct value of 1.
Inorganic Compound	Titanium	TI	TF_flesh_dw	SOIL	AK(f)	0.02	0.019251	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Titanium	TI	TF_flesh_dw	SOIL	AK(fi)	0.02	0.019251	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Titanium	TI	TF_flesh_dw	SOIL	RF(f)	0.02	0.019251	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic	Thallium	TL	TF_flesh_dw	SOIL	AK(f)	0.0267	0.025668	Updated Value	This parameter is a calculated value.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Compound									Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Thallium	TL	TF_flesh_dw	SOIL	AK(fi)	0.0267	0.025668	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Thallium	TL	TF_flesh_dw	SOIL	RF(f)	0.0267	0.025668	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Uranium	U	TF_flesh_dw	SOIL	AK(f)	0.000133	0.00012834	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Uranium	U	TF_flesh_dw	SOIL	AK(fi)	0.000133	0.00012834	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									[I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Uranium	U	TF_flesh_dw	SOIL	RF(f)	0.000133	0.00012834	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Vanadium	V	TF_flesh_dw	SOIL	AK(f)	0.00167	0.00160425	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Vanadium	V	TF_flesh_dw	SOIL	AK(fi)	0.00167	0.00160425	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Vanadium	V	TF_flesh_dw	SOIL	RF(f)	0.00167	0.00160425	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									{1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Zinc	ZN	TF_flesh_dw	SOIL	AK(f)	0.225	0.206426586826347	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Zinc	ZN	TF_flesh_dw	SOIL	AK(fi)	0.225	0.206426586826347	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Zinc	ZN	TF_flesh_dw	SOIL	RF(f)	0.225	0.206426586826347	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Inorganic Compound	Zinc	ZN	TF_invert_dw	SEDIMENT	BA(i)	3.4	3.35329341317365	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic	Zinc	ZN	TF_invert_dw	SEDIMENT	VGS(i)	3.4	3.35329341317365	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Compound									figures for consistency in reporting data.
Inorganic Compound	Zinc	ZN	TF_invert_dw	SOIL	AK(f)	3.4	3.35329341317365	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Zinc	ZN	TF_invert_dw	SOIL	AK(fi)	3.4	3.35329341317365	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Zinc	ZN	TF_invert_dw	SOIL	AR(i)	3.4	3.35329341317365	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Zinc	ZN	TF_invert_dw	SOIL	AR(ip)	3.4	3.35329341317365	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Zinc	ZN	TF_invert_dw	SOIL	DM(ip)	3.4	3.35329341317365	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Zinc	ZN	TF_invert_dw	SOIL	RF(f)	3.4	3.35329341317365	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Inorganic Compound	Zinc	ZN	TF_invert_dw	SOIL	VS(i)	3.4	3.35329341317365	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_flesh_dw	SOIL	AK(f)	0.207	0.195069491683053	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Endosulfan	115-29-7	TF_flesh_dw	SOIL	AK(fi)	0.207	0.195069491683053	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Endosulfan	115-29-7	TF_flesh_dw	SOIL	RF(f)	0.207	0.195069491683053	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw,

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Endosulfan	115-29-7	TF_invert_dw	SEDIMENT	BA(i)	2.04	2.04049413360551	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_invert_dw	SEDIMENT	VGS(i)	2.04	2.04049413360551	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_invert_dw	SOIL	AK(f)	2.04	2.04049413360551	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_invert_dw	SOIL	AK(fi)	2.04	2.04049413360551	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_invert_dw	SOIL	AR(i)	2.04	2.04049413360551	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_invert_dw	SOIL	AR(ip)	2.04	2.04049413360551	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_invert_dw	SOIL	DM(ip)	2.04	2.04049413360551	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_invert_dw	SOIL	RF(f)	2.04	2.04049413360551	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_invert_dw	SOIL	VS(i)	2.04	2.04049413360551	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_plant_dw	SOIL	AK(f)	0.539	0.538889845373287	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_plant_dw	SOIL	AK(fi)	0.539	0.538889845373287	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_plant_dw	SOIL	AR(ip)	0.539	0.538889845373287	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_plant_dw	SOIL	AR(p)	0.539	0.538889845373287	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_plant_dw	SOIL	DC(p)	0.539	0.538889845373287	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_plant_dw	SOIL	DM(ip)	0.539	0.538889845373287	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endosulfan	115-29-7	TF_plant_dw	SOIL	RF(f)	0.539	0.538889845373287	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_flesh_dw	SOIL	AK(f)	0.746	0.700399200439894	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									{1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Kepone	143-50-0	TF_flesh_dw	SOIL	AK(fi)	0.746	0.700399200439894	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Kepone	143-50-0	TF_flesh_dw	SOIL	RF(f)	0.746	0.700399200439894	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Kepone	143-50-0	TF_invert_dw	SEDIMENT	BA(i)	2.34	2.34280072914231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_invert_dw	SEDIMENT	VGS(i)	2.34	2.34280072914231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_invert_dw	SOIL	AK(f)	2.34	2.34280072914231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_invert_dw	SOIL	AK(fi)	2.34	2.34280072914231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_invert_dw	SOIL	AR(i)	2.34	2.34280072914231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_invert_dw	SOIL	AR(ip)	2.34	2.34280072914231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-	TF_invert_dw	SOIL	DM(ip)	2.34	2.34280072914231	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
		0							figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_invert_dw	SOIL	RF(f)	2.34	2.34280072914231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_invert_dw	SOIL	VS(i)	2.34	2.34280072914231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_plant_dw	SOIL	AK(f)	0.186	0.185994456322258	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_plant_dw	SOIL	AK(fi)	0.186	0.185994456322258	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_plant_dw	SOIL	AR(ip)	0.186	0.185994456322258	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_plant_dw	SOIL	AR(p)	0.186	0.185994456322258	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_plant_dw	SOIL	DC(p)	0.186	0.185994456322258	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_plant_dw	SOIL	DM(ip)	0.186	0.185994456322258	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Kepone	143-50-0	TF_plant_dw	SOIL	RF(f)	0.186	0.185994456322258	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_flesh_dw	SOIL	AK(f)	0.152	0.143238842027835	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	BHC[beta-]	319-85-7	TF_flesh_dw	SOIL	AK(fi)	0.152	0.143238842027835	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	BHC[beta-]	319-85-	TF_flesh_dw	SOIL	RF(f)	0.152	0.143238842027835	Updated Value	This parameter is a calculated value.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
		7							Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	BHC[beta-]	319-85-7	TF_invert_dw	SEDIMENT	BA(i)	1.97	1.9734919104654	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_invert_dw	SEDIMENT	VGS(i)	1.97	1.9734919104654	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_invert_dw	SOIL	AK(f)	1.97	1.9734919104654	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_invert_dw	SOIL	AK(fi)	1.97	1.9734919104654	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_invert_dw	SOIL	AR(i)	1.97	1.9734919104654	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_invert_dw	SOIL	AR(ip)	1.97	1.9734919104654	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_invert_dw	SOIL	DM(ip)	1.97	1.9734919104654	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_invert_dw	SOIL	RF(f)	1.97	1.9734919104654	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_invert_dw	SOIL	VS(i)	1.97	1.9734919104654	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_plant_dw	SOIL	AK(f)	0.697	0.696867161940801	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_plant_dw	SOIL	AK(fi)	0.697	0.696867161940801	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_plant_dw	SOIL	AR(ip)	0.697	0.696867161940801	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_plant_dw	SOIL	AR(p)	0.697	0.696867161940801	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_plant_dw	SOIL	DC(p)	0.697	0.696867161940801	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-7	TF_plant_dw	SOIL	DM(ip)	0.697	0.696867161940801	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[beta-]	319-85-	TF_plant_dw	SOIL	RF(f)	0.697	0.696867161940801	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
		7							figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_flesh_dw	SOIL	AK(f)	7.7	7.15734321551249	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	DDT[4,4'-]	50-29-3	TF_flesh_dw	SOIL	AK(fi)	7.7	7.15734321551249	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	DDT[4,4'-]	50-29-3	TF_flesh_dw	SOIL	RF(f)	7.7	7.15734321551249	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	DDT[4,4'-]	50-29-3	TF_invert_dw	SEDIMENT	BA(i)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_invert_dw	SEDIMENT	VGS(i)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_invert_dw	SOIL	AK(f)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_invert_dw	SOIL	AK(fi)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_invert_dw	SOIL	AR(i)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_invert_dw	SOIL	AR(ip)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_invert_dw	SOIL	DM(ip)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_invert_dw	SOIL	RF(f)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_invert_dw	SOIL	VS(i)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_plant_dw	SOIL	AK(f)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_plant_dw	SOIL	AK(fi)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_plant_dw	SOIL	AR(ip)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_plant_dw	SOIL	AR(p)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_plant_dw	SOIL	DC(p)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_plant_dw	SOIL	DM(ip)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDT[4,4'-]	50-29-3	TF_plant_dw	SOIL	RF(f)	0.0625	6.25100721252632E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_flesh_dw	SOIL	AK(f)	2.22	2.07678859155341	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_flesh_dw	SOIL	AK(fi)	2.22	2.07678859155341	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_flesh_dw	SOIL	RF(f)	2.22	2.07678859155341	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_invert_dw	SEDIMENT	BA(i)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_invert_dw	SEDIMENT	VGS(i)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_invert_dw	SOIL	AK(f)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_invert_dw	SOIL	AK(fi)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_invert_dw	SOIL	AR(i)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_invert_dw	SOIL	AR(ip)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_invert_dw	SOIL	DM(ip)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_invert_dw	SOIL	RF(f)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_invert_dw	SOIL	VS(i)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_plant_dw	SOIL	AK(f)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_plant_dw	SOIL	AK(fi)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_plant_dw	SOIL	AR(ip)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_plant_dw	SOIL	AR(p)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-	TF_plant_dw	SOIL	DC(p)	0.0753	7.53008710547589E-	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
		71-9					02		figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_plant_dw	SOIL	DM(ip)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[alpha-]	5103-71-9	TF_plant_dw	SOIL	RF(f)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_flesh_dw	SOIL	AK(f)	2.22	2.07678859155341	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_flesh_dw	SOIL	AK(fi)	2.22	2.07678859155341	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_flesh_dw	SOIL	RF(f)	2.22	2.07678859155341	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_invert_dw	SEDIMENT	BA(i)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_invert_dw	SEDIMENT	VGS(i)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-	TF_invert_dw	SOIL	AK(f)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
		74-2							figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_invert_dw	SOIL	AK(fi)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_invert_dw	SOIL	AR(i)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_invert_dw	SOIL	AR(ip)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_invert_dw	SOIL	DM(ip)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_invert_dw	SOIL	RF(f)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_invert_dw	SOIL	VS(i)	2.63	2.63472535300678	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_plant_dw	SOIL	AK(f)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_plant_dw	SOIL	AK(fi)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_plant_dw	SOIL	AR(ip)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_plant_dw	SOIL	AR(p)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_plant_dw	SOIL	DC(p)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_plant_dw	SOIL	DM(ip)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Chlordane[gamma-]	5103-74-2	TF_plant_dw	SOIL	RF(f)	0.0753	7.53008710547589E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_flesh_dw	SOIL	AK(f)	0.14	0.131541352063705	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	BHC[gamma-]	58-89-9	TF_flesh_dw	SOIL	AK(fi)	0.14	0.131541352063705	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									{1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	BHC[gamma-]	58-89-9	TF_flesh_dw	SOIL	RF(f)	0.14	0.131541352063705	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	BHC[gamma-]	58-89-9	TF_invert_dw	SEDIMENT	BA(i)	1.96	1.95539882787658	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_invert_dw	SEDIMENT	VGS(i)	1.96	1.95539882787658	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_invert_dw	SOIL	AK(f)	1.96	1.95539882787658	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_invert_dw	SOIL	AK(fi)	1.96	1.95539882787658	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_invert_dw	SOIL	AR(i)	1.96	1.95539882787658	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_invert_dw	SOIL	AR(ip)	1.96	1.95539882787658	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_invert_dw	SOIL	DM(ip)	1.96	1.95539882787658	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_invert_dw	SOIL	RF(f)	1.96	1.95539882787658	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_invert_dw	SOIL	VS(i)	1.96	1.95539882787658	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_plant_dw	SOIL	AK(f)	0.748	0.748083369272417	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_plant_dw	SOIL	AK(fi)	0.748	0.748083369272417	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_plant_dw	SOIL	AR(ip)	0.748	0.748083369272417	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_plant_dw	SOIL	AR(p)	0.748	0.748083369272417	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_plant_dw	SOIL	DC(p)	0.748	0.748083369272417	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_plant_dw	SOIL	DM(ip)	0.748	0.748083369272417	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	BHC[gamma-]	58-89-9	TF_plant_dw	SOIL	RF(f)	0.748	0.748083369272417	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_flesh_dw	SOIL	AK(f)	0.805	0.754634073706126	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Dieldrin	60-57-1	TF_flesh_dw	SOIL	AK(fi)	0.805	0.754634073706126	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Dieldrin	60-57-1	TF_flesh_dw	SOIL	RF(f)	0.805	0.754634073706126	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Dieldrin	60-57-1	TF_invert_dw	SEDIMENT	BA(i)	2.36	2.36175775746091	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_invert_dw	SEDIMENT	VGS(i)	2.36	2.36175775746091	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_invert_dw	SOIL	AK(f)	2.36	2.36175775746091	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_invert_dw	SOIL	AK(fi)	2.36	2.36175775746091	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_invert_dw	SOIL	AR(i)	2.36	2.36175775746091	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_invert_dw	SOIL	AR(ip)	2.36	2.36175775746091	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_invert_dw	SOIL	DM(ip)	2.36	2.36175775746091	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_invert_dw	SOIL	RF(f)	2.36	2.36175775746091	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_invert_dw	SOIL	VS(i)	2.36	2.36175775746091	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_plant_dw	SOIL	AK(f)	0.175	0.174803450074296	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_plant_dw	SOIL	AK(fi)	0.175	0.174803450074296	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_plant_dw	SOIL	AR(ip)	0.175	0.174803450074296	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_plant_dw	SOIL	AR(p)	0.175	0.174803450074296	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_plant_dw	SOIL	DC(p)	0.175	0.174803450074296	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_plant_dw	SOIL	DM(ip)	0.175	0.174803450074296	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Dieldrin	60-57-1	TF_plant_dw	SOIL	RF(f)	0.175	0.174803450074296	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_flesh_dw	SOIL	AK(f)	0.579	0.542371611222795	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									changes.
Pesticide	Endrin	72-20-8	TF_flesh_dw	SOIL	AK(fi)	0.579	0.542371611222795	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Endrin	72-20-8	TF_flesh_dw	SOIL	RF(f)	0.579	0.542371611222795	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Endrin	72-20-8	TF_invert_dw	SEDIMENT	BA(i)	2.28	2.27895290513583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_invert_dw	SEDIMENT	VGS(i)	2.28	2.27895290513583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_invert_dw	SOIL	AK(f)	2.28	2.27895290513583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_invert_dw	SOIL	AK(fi)	2.28	2.27895290513583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_invert_dw	SOIL	AR(i)	2.28	2.27895290513583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_invert_dw	SOIL	AR(ip)	2.28	2.27895290513583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_invert_dw	SOIL	DM(ip)	2.28	2.27895290513583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_invert_dw	SOIL	RF(f)	2.28	2.27895290513583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_invert_dw	SOIL	VS(i)	2.28	2.27895290513583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_plant_dw	SOIL	AK(f)	0.23	0.230091195185176	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_plant_dw	SOIL	AK(fi)	0.23	0.230091195185176	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_plant_dw	SOIL	AR(ip)	0.23	0.230091195185176	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_plant_dw	SOIL	AR(p)	0.23	0.230091195185176	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_plant_dw	SOIL	DC(p)	0.23	0.230091195185176	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_plant_dw	SOIL	DM(ip)	0.23	0.230091195185176	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Endrin	72-20-8	TF_plant_dw	SOIL	RF(f)	0.23	0.230091195185176	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_flesh_dw	SOIL	AK(f)	0.59	0.554052203113436	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_flesh_dw	SOIL	AK(fi)	0.59	0.554052203113436	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_flesh_dw	SOIL	RF(f)	0.59	0.554052203113436	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_invert_dw	SEDIMENT	BA(i)	2.28	2.28420643415049	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_invert_dw	SEDIMENT	VGS(i)	2.28	2.28420643415049	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_invert_dw	SOIL	AK(f)	2.28	2.28420643415049	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_invert_dw	SOIL	AK(fi)	2.28	2.28420643415049	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_invert_dw	SOIL	AR(i)	2.28	2.28420643415049	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_invert_dw	SOIL	AR(ip)	2.28	2.28420643415049	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_invert_dw	SOIL	DM(ip)	2.28	2.28420643415049	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_invert_dw	SOIL	RF(f)	2.28	2.28420643415049	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_invert_dw	SOIL	VS(i)	2.28	2.28420643415049	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_plant_dw	SOIL	AK(f)	0.226	0.226047651846834	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_plant_dw	SOIL	AK(fi)	0.226	0.226047651846834	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_plant_dw	SOIL	AR(ip)	0.226	0.226047651846834	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_plant_dw	SOIL	AR(p)	0.226	0.226047651846834	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_plant_dw	SOIL	DC(p)	0.226	0.226047651846834	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_plant_dw	SOIL	DM(ip)	0.226	0.226047651846834	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Methoxychlor[4,4'-]	72-43-5	TF_plant_dw	SOIL	RF(f)	0.226	0.226047651846834	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_flesh_dw	SOIL	AK(f)	9.58	8.91193157568253	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	DDE[4,4'-]	72-55-9	TF_flesh_dw	SOIL	AK(fi)	9.58	8.91193157568253	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	DDE[4,4'-]	72-55-9	TF_flesh_dw	SOIL	RF(f)	9.58	8.91193157568253	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	DDE[4,4'-]	72-55-9	TF_invert_dw	SEDIMENT	BA(i)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_invert_dw	SEDIMENT	VGS(i)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_invert_dw	SOIL	AK(f)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_invert_dw	SOIL	AK(fi)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_invert_dw	SOIL	AR(i)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_invert_dw	SOIL	AR(ip)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_invert_dw	SOIL	DM(ip)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_invert_dw	SOIL	RF(f)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_invert_dw	SOIL	VS(i)	7.5	7.54491017964072	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_plant_dw	SOIL	AK(f)	0.051	5.09800198225605E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_plant_dw	SOIL	AK(fi)	0.051	5.09800198225605E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_plant_dw	SOIL	AR(ip)	0.051	5.09800198225605E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_plant_dw	SOIL	AR(p)	0.051	5.09800198225605E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_plant_dw	SOIL	DC(p)	0.051	5.09800198225605E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_plant_dw	SOIL	DM(ip)	0.051	5.09800198225605E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	DDE[4,4'-]	72-55-9	TF_plant_dw	SOIL	RF(f)	0.051	5.09800198225605E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_flesh_dw	SOIL	AK(f)	6.66	6.1429620795868	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Heptachlor	76-44-8	TF_flesh_dw	SOIL	AK(fi)	6.66	6.1429620795868	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Heptachlor	76-44-8	TF_flesh_dw	SOIL	RF(f)	6.66	6.1429620795868	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									{1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Heptachlor	76-44-8	TF_invert_dw	SEDIMENT	BA(i)	8.4	8.38323353293413	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_invert_dw	SEDIMENT	VGS(i)	8.4	8.38323353293413	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_invert_dw	SOIL	AK(f)	8.4	8.38323353293413	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_invert_dw	SOIL	AK(fi)	8.4	8.38323353293413	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_invert_dw	SOIL	AR(i)	8.4	8.38323353293413	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_invert_dw	SOIL	AR(ip)	8.4	8.38323353293413	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_invert_dw	SOIL	DM(ip)	8.4	8.38323353293413	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_invert_dw	SOIL	RF(f)	8.4	8.38323353293413	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_invert_dw	SOIL	VS(i)	8.4	8.38323353293413	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_plant_dw	SOIL	AK(f)	0.0794	0.079414535494468	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_plant_dw	SOIL	AK(fi)	0.0794	0.079414535494468	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_plant_dw	SOIL	AR(ip)	0.0794	0.079414535494468	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_plant_dw	SOIL	AR(p)	0.0794	0.079414535494468	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_plant_dw	SOIL	DC(p)	0.0794	0.079414535494468	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_plant_dw	SOIL	DM(ip)	0.0794	0.079414535494468	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Heptachlor	76-44-8	TF_plant_dw	SOIL	RF(f)	0.0794	0.079414535494468	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_flesh_dw	SOIL	AK(f)	0.926	0.866747394093014	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_flesh_dw	SOIL	AK(fi)	0.926	0.866747394093014	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_flesh_dw	SOIL	RF(f)	0.926	0.866747394093014	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_invert_dw	SEDIMENT	BA(i)	2.4	2.39737156844156	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_invert_dw	SEDIMENT	VGS(i)	2.4	2.39737156844156	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_invert_dw	SOIL	AK(f)	2.4	2.39737156844156	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_invert_dw	SOIL	AK(fi)	2.4	2.39737156844156	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_invert_dw	SOIL	AR(i)	2.4	2.39737156844156	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_invert_dw	SOIL	AR(ip)	2.4	2.39737156844156	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_invert_dw	SOIL	DM(ip)	2.4	2.39737156844156	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_invert_dw	SOIL	RF(f)	2.4	2.39737156844156	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_invert_dw	SOIL	VS(i)	2.4	2.39737156844156	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_plant_dw	SOIL	AK(f)	0.156	0.15577580348316	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_plant_dw	SOIL	AK(fi)	0.156	0.15577580348316	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_plant_dw	SOIL	AR(ip)	0.156	0.15577580348316	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_plant_dw	SOIL	AR(p)	0.156	0.15577580348316	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_plant_dw	SOIL	DC(p)	0.156	0.15577580348316	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_plant_dw	SOIL	DM(ip)	0.156	0.15577580348316	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Pesticide	Toxaphene (Technical Grade)	8001-35-2	TF_plant_dw	SOIL	RF(f)	0.156	0.15577580348316	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_flesh_dw	SOIL	AK(f)	0.336	0.315026397257643	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_flesh_dw	SOIL	AK(fi)	0.336	0.315026397257643	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_flesh_dw	SOIL	RF(f)	0.336	0.315026397257643	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_invert_dw	SEDIMENT	BA(i)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_invert_dw	SEDIMENT	VGS(i)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_invert_dw	SOIL	AK(f)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_invert_dw	SOIL	AK(fi)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_invert_dw	SOIL	AR(i)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_invert_dw	SOIL	AR(ip)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_invert_dw	SOIL	DM(ip)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_invert_dw	SOIL	RF(f)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_invert_dw	SOIL	VS(i)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_plant_dw	SOIL	AK(f)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_plant_dw	SOIL	AK(fi)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_plant_dw	SOIL	AR(ip)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_plant_dw	SOIL	AR(p)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_plant_dw	SOIL	DC(p)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_plant_dw	SOIL	DM(ip)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Anthracene	120-12-7	TF_plant_dw	SOIL	RF(f)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_flesh_dw	SOIL	AK(f)	0.609	0.572046590021298	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_flesh_dw	SOIL	AK(fi)	0.609	0.572046590021298	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_flesh_dw	SOIL	RF(f)	0.609	0.572046590021298	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_invert_dw	SEDIMENT	BA(i)	2.29	2.29210944383517	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_invert_dw	SEDIMENT	VGS(i)	2.29	2.29210944383517	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_invert_dw	SOIL	AK(f)	2.29	2.29210944383517	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_invert_dw	SOIL	AK(fi)	2.29	2.29210944383517	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_invert_dw	SOIL	AR(i)	2.29	2.29210944383517	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_invert_dw	SOIL	AR(ip)	2.29	2.29210944383517	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_invert_dw	SOIL	DM(ip)	2.29	2.29210944383517	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_invert_dw	SOIL	RF(f)	2.29	2.29210944383517	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_invert_dw	SOIL	VS(i)	2.29	2.29210944383517	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_plant_dw	SOIL	AK(f)	0.22	0.220115182927026	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_plant_dw	SOIL	AK(fi)	0.22	0.220115182927026	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_plant_dw	SOIL	AR(ip)	0.22	0.220115182927026	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_plant_dw	SOIL	AR(p)	0.22	0.220115182927026	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_plant_dw	SOIL	DC(p)	0.22	0.220115182927026	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_plant_dw	SOIL	DM(ip)	0.22	0.220115182927026	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Pyrene	129-00-0	TF_plant_dw	SOIL	RF(f)	0.22	0.220115182927026	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_flesh_dw	SOIL	AK(f)	3.33	3.11377897994236	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_flesh_dw	SOIL	AK(fi)	3.33	3.11377897994236	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 -

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_flesh_dw	SOIL	RF(f)	3.33	3.11377897994236	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_invert_dw	SEDIMENT	BA(i)	2.75	2.75255084837984	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_invert_dw	SEDIMENT	VGS(i)	2.75	2.75255084837984	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_invert_dw	SOIL	AK(f)	2.75	2.75255084837984	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_invert_dw	SOIL	AK(fi)	2.75	2.75255084837984	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_invert_dw	SOIL	AR(i)	2.75	2.75255084837984	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_invert_dw	SOIL	AR(ip)	2.75	2.75255084837984	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_invert_dw	SOIL	DM(ip)	2.75	2.75255084837984	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_invert_dw	SOIL	RF(f)	2.75	2.75255084837984	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_invert_dw	SOIL	VS(i)	2.75	2.75255084837984	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_plant_dw	SOIL	AK(f)	0.0538	5.37650433122254E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_plant_dw	SOIL	AK(fi)	0.0538	5.37650433122254E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_plant_dw	SOIL	AR(ip)	0.0538	5.37650433122254E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes

Analyte Group	Analyte Name	Analyte Code	Parameter	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_plant_dw	SOIL	AR(p)	0.0538	5.37650433122254E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_plant_dw	SOIL	DC(p)	0.0538	5.37650433122254E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_plant_dw	SOIL	DM(ip)	0.0538	5.37650433122254E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(g,h,i)perylene	191-24-2	TF_plant_dw	SOIL	RF(f)	0.0538	5.37650433122254E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_flesh_dw	SOIL	AK(f)	0.567	0.570308945273415	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_flesh_dw	SOIL	AK(fi)	0.567	0.570308945273415	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_flesh_dw	SOIL	RF(f)	0.567	0.570308945273415	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_invert_dw	SEDIMENT	BA(i)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes

Analyte Group	Analyte Name	Analyte Code	Parameter	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_invert_dw	SEDIMENT	VGS(i)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_invert_dw	SOIL	AK(f)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_invert_dw	SOIL	AK(fi)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_invert_dw	SOIL	AR(i)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_invert_dw	SOIL	AR(ip)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_invert_dw	SOIL	DM(ip)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_invert_dw	SOIL	RF(f)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_invert_dw	SOIL	VS(i)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_plant_dw	SOIL	AK(f)	0.0562	5.62017708655472E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_plant_dw	SOIL	AK(fi)	0.0562	5.62017708655472E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_plant_dw	SOIL	AR(ip)	0.0562	5.62017708655472E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_plant_dw	SOIL	AR(p)	0.0562	5.62017708655472E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_plant_dw	SOIL	DC(p)	0.0562	5.62017708655472E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_plant_dw	SOIL	DM(ip)	0.0562	5.62017708655472E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Indeno(1,2,3-cd)pyrene	193-39-5	TF_plant_dw	SOIL	RF(f)	0.0562	5.62017708655472E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_flesh_dw	SOIL	AK(f)	0.324	0.330235800695556	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_flesh_dw	SOIL	AK(fi)	0.324	0.330235800695556	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_flesh_dw	SOIL	RF(f)	0.324	0.330235800695556	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_invert_dw	SEDIMENT	BA(i)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_invert_dw	SEDIMENT	VGS(i)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_invert_dw	SOIL	AK(f)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_invert_dw	SOIL	AK(fi)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_invert_dw	SOIL	AR(i)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_invert_dw	SOIL	AR(ip)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_invert_dw	SOIL	DM(ip)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_invert_dw	SOIL	RF(f)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_invert_dw	SOIL	VS(i)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_plant_dw	SOIL	AK(f)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_plant_dw	SOIL	AK(fi)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_plant_dw	SOIL	AR(ip)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_plant_dw	SOIL	AR(p)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_plant_dw	SOIL	DC(p)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_plant_dw	SOIL	DM(ip)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(b)fluoranthene	205-99-2	TF_plant_dw	SOIL	RF(f)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_flesh_dw	SOIL	AK(f)	0.615	0.578173703819256	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_flesh_dw	SOIL	AK(fi)	0.615	0.578173703819256	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_flesh_dw	SOIL	RF(f)	0.615	0.578173703819256	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_invert_dw	SEDIMENT	BA(i)	2.29	2.29474985200309	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_invert_dw	SEDIMENT	VGS(i)	2.29	2.29474985200309	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_invert_dw	SOIL	AK(f)	2.29	2.29474985200309	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_invert_dw	SOIL	AK(fi)	2.29	2.29474985200309	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_invert_dw	SOIL	AR(i)	2.29	2.29474985200309	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_invert_dw	SOIL	AR(ip)	2.29	2.29474985200309	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_invert_dw	SOIL	DM(ip)	2.29	2.29474985200309	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_invert_dw	SOIL	RF(f)	2.29	2.29474985200309	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_invert_dw	SOIL	VS(i)	2.29	2.29474985200309	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_plant_dw	SOIL	AK(f)	0.218	0.21817249589883	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_plant_dw	SOIL	AK(fi)	0.218	0.21817249589883	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_plant_dw	SOIL	AR(ip)	0.218	0.21817249589883	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_plant_dw	SOIL	AR(p)	0.218	0.21817249589883	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_plant_dw	SOIL	DC(p)	0.218	0.21817249589883	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_plant_dw	SOIL	DM(ip)	0.218	0.21817249589883	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluoranthene	206-44-0	TF_plant_dw	SOIL	RF(f)	0.218	0.21817249589883	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_flesh_dw	SOIL	AK(f)	0.369	0.371372878206501	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw,

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_flesh_dw	SOIL	AK(fi)	0.369	0.371372878206501	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_flesh_dw	SOIL	RF(f)	0.369	0.371372878206501	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_invert_dw	SEDIMENT	BA(i)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_invert_dw	SEDIMENT	VGS(i)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_invert_dw	SOIL	AK(f)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_invert_dw	SOIL	AK(fi)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_invert_dw	SOIL	AR(i)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_invert_dw	SOIL	AR(ip)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_invert_dw	SOIL	DM(ip)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_invert_dw	SOIL	RF(f)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_invert_dw	SOIL	VS(i)	0.48	0.479041916167665	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_plant_dw	SOIL	AK(f)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_plant_dw	SOIL	AK(fi)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_plant_dw	SOIL	AR(ip)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_plant_dw	SOIL	AR(p)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_plant_dw	SOIL	DC(p)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_plant_dw	SOIL	DM(ip)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(k)fluoranthene	207-08-9	TF_plant_dw	SOIL	RF(f)	0.0838	8.37529282126883E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_flesh_dw	SOIL	AK(f)	0.201	0.188935400916826	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_flesh_dw	SOIL	AK(fi)	0.201	0.188935400916826	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_flesh_dw	SOIL	RF(f)	0.201	0.188935400916826	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_invert_dw	SEDIMENT	BA(i)	2.03	2.03345867334736	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_invert_dw	SEDIMENT	VGS(i)	2.03	2.03345867334736	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_invert_dw	SOIL	AK(f)	2.03	2.03345867334736	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_invert_dw	SOIL	AK(fi)	2.03	2.03345867334736	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_invert_dw	SOIL	AR(i)	2.03	2.03345867334736	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_invert_dw	SOIL	AR(ip)	2.03	2.03345867334736	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_invert_dw	SOIL	DM(ip)	2.03	2.03345867334736	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_invert_dw	SOIL	RF(f)	2.03	2.03345867334736	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_invert_dw	SOIL	VS(i)	2.03	2.03345867334736	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_plant_dw	SOIL	AK(f)	0.553	0.553413819668769	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_plant_dw	SOIL	AK(fi)	0.553	0.553413819668769	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_plant_dw	SOIL	AR(ip)	0.553	0.553413819668769	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_plant_dw	SOIL	AR(p)	0.553	0.553413819668769	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_plant_dw	SOIL	DC(p)	0.553	0.553413819668769	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_plant_dw	SOIL	DM(ip)	0.553	0.553413819668769	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthylene	208-96-8	TF_plant_dw	SOIL	RF(f)	0.553	0.553413819668769	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_flesh_dw	SOIL	AK(f)	0.118	0.128410969890238	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									[I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_flesh_dw	SOIL	AK(fi)	0.118	0.128410969890238	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_flesh_dw	SOIL	RF(f)	0.118	0.128410969890238	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_invert_dw	SEDIMENT	BA(i)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_invert_dw	SEDIMENT	VGS(i)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_invert_dw	SOIL	AK(f)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_invert_dw	SOIL	AK(fi)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_invert_dw	SOIL	AR(i)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_invert_dw	SOIL	AR(ip)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_invert_dw	SOIL	DM(ip)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_invert_dw	SOIL	RF(f)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_invert_dw	SOIL	VS(i)	0.24	0.239520958083832	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_plant_dw	SOIL	AK(f)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_plant_dw	SOIL	AK(fi)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_plant_dw	SOIL	AR(ip)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_plant_dw	SOIL	AR(p)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_plant_dw	SOIL	DC(p)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_plant_dw	SOIL	DM(ip)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Chrysene	218-01-9	TF_plant_dw	SOIL	RF(f)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_flesh_dw	SOIL	AK(f)	0.297	0.303084797560127	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_flesh_dw	SOIL	AK(fi)	0.297	0.303084797560127	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.

TF changes

Analyte Group	Analyte Name	Analyte Code	Parameter	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_flesh_dw	SOIL	RF(f)	0.297	0.303084797560127	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_invert_dw	SEDIMENT	BA(i)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_invert_dw	SEDIMENT	VGS(i)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_invert_dw	SOIL	AK(f)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_invert_dw	SOIL	AK(fi)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_invert_dw	SOIL	AR(i)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_invert_dw	SOIL	AR(ip)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_invert_dw	SOIL	DM(ip)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_invert_dw	SOIL	RF(f)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_invert_dw	SOIL	VS(i)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_plant_dw	SOIL	AK(f)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_plant_dw	SOIL	AK(fi)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_plant_dw	SOIL	AR(ip)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_plant_dw	SOIL	AR(p)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_plant_dw	SOIL	DC(p)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_plant_dw	SOIL	DM(ip)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polyaromatic Hydrocarbon	Benzo(a)pyrene	50-32-8	TF_plant_dw	SOIL	RF(f)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_flesh_dw	SOIL	AK(f)	0.517	0.526846565357235	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_flesh_dw	SOIL	AK(fi)	0.517	0.526846565357235	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_flesh_dw	SOIL	RF(f)	0.517	0.526846565357235	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_invert_dw	SEDIMENT	BA(i)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_invert_dw	SEDIMENT	VGS(i)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_invert_dw	SOIL	AK(f)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_invert_dw	SOIL	AK(fi)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_invert_dw	SOIL	AR(i)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_invert_dw	SOIL	AR(ip)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_invert_dw	SOIL	DM(ip)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_invert_dw	SOIL	RF(f)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_invert_dw	SOIL	VS(i)	0.42	0.419161676646707	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_plant_dw	SOIL	AK(f)	0.0542	5.42437867568687E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_plant_dw	SOIL	AK(fi)	0.0542	5.42437867568687E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_plant_dw	SOIL	AR(ip)	0.0542	5.42437867568687E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_plant_dw	SOIL	AR(p)	0.0542	5.42437867568687E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_plant_dw	SOIL	DC(p)	0.0542	5.42437867568687E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_plant_dw	SOIL	DM(ip)	0.0542	5.42437867568687E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Dibenzo(a,h)anthracene	53-70-3	TF_plant_dw	SOIL	RF(f)	0.0542	5.42437867568687E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_flesh_dw	SOIL	AK(f)	0.0898	0.102870232304971	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_flesh_dw	SOIL	AK(fi)	0.0898	0.102870232304971	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_flesh_dw	SOIL	RF(f)	0.0898	0.102870232304971	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_invert_dw	SEDIMENT	BA(i)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_invert_dw	SEDIMENT	VGS(i)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_invert_dw	SOIL	AK(f)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_invert_dw	SOIL	AK(fi)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_invert_dw	SOIL	AR(i)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_invert_dw	SOIL	AR(ip)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_invert_dw	SOIL	DM(ip)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_invert_dw	SOIL	RF(f)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_invert_dw	SOIL	VS(i)	0.18	0.179640718562874	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_plant_dw	SOIL	AK(f)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_plant_dw	SOIL	AK(fi)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_plant_dw	SOIL	AR(ip)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_plant_dw	SOIL	AR(p)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_plant_dw	SOIL	DC(p)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_plant_dw	SOIL	DM(ip)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Benzo(a)anthracene	56-55-3	TF_plant_dw	SOIL	RF(f)	0.13	0.130466796863989	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_flesh_dw	SOIL	AK(f)	0.171	0.161040644881273	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_flesh_dw	SOIL	AK(fi)	0.171	0.161040644881273	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_flesh_dw	SOIL	RF(f)	0.171	0.161040644881273	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_invert_dw	SEDIMENT	BA(i)	2	1.99864356915179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_invert_dw	SEDIMENT	VGS(i)	2	1.99864356915179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_invert_dw	SOIL	AK(f)	2	1.99864356915179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_invert_dw	SOIL	AK(fi)	2	1.99864356915179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_invert_dw	SOIL	AR(i)	2	1.99864356915179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_invert_dw	SOIL	AR(ip)	2	1.99864356915179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_invert_dw	SOIL	DM(ip)	2	1.99864356915179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_invert_dw	SOIL	RF(f)	2	1.99864356915179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_invert_dw	SOIL	VS(i)	2	1.99864356915179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_plant_dw	SOIL	AK(f)	0.632	0.632120682005268	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_plant_dw	SOIL	AK(fi)	0.632	0.632120682005268	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_plant_dw	SOIL	AR(ip)	0.632	0.632120682005268	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_plant_dw	SOIL	AR(p)	0.632	0.632120682005268	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_plant_dw	SOIL	DC(p)	0.632	0.632120682005268	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_plant_dw	SOIL	DM(ip)	0.632	0.632120682005268	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Acenaphthene	83-32-9	TF_plant_dw	SOIL	RF(f)	0.632	0.632120682005268	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_flesh_dw	SOIL	AK(f)	0.336	0.315026397257643	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_flesh_dw	SOIL	AK(fi)	0.336	0.315026397257643	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									[I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_flesh_dw	SOIL	RF(f)	0.336	0.315026397257643	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_invert_dw	SEDIMENT	BA(i)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_invert_dw	SEDIMENT	VGS(i)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_invert_dw	SOIL	AK(f)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_invert_dw	SOIL	AK(fi)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_invert_dw	SOIL	AR(i)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_invert_dw	SOIL	AR(ip)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_invert_dw	SOIL	DM(ip)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_invert_dw	SOIL	RF(f)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_invert_dw	SOIL	VS(i)	2.15	2.14899473025587	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_plant_dw	SOIL	AK(f)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_plant_dw	SOIL	AK(fi)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes

Analyte Group	Analyte Name	Analyte Code	Parameter	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_plant_dw	SOIL	AR(ip)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_plant_dw	SOIL	AR(p)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_plant_dw	SOIL	DC(p)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_plant_dw	SOIL	DM(ip)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Phenanthrene	85-01-8	TF_plant_dw	SOIL	RF(f)	0.362	0.361617966771595	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_flesh_dw	SOIL	AK(f)	0.234	0.219315497719343	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_flesh_dw	SOIL	AK(fi)	0.234	0.219315497719343	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_flesh_dw	SOIL	RF(f)	0.234	0.219315497719343	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_invert_dw	SEDIMENT	BA(i)	2.07	2.06649971879583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_invert_dw	SEDIMENT	VGS(i)	2.07	2.06649971879583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_invert_dw	SOIL	AK(f)	2.07	2.06649971879583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_invert_dw	SOIL	AK(fi)	2.07	2.06649971879583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_invert_dw	SOIL	AR(i)	2.07	2.06649971879583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_invert_dw	SOIL	AR(ip)	2.07	2.06649971879583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_invert_dw	SOIL	DM(ip)	2.07	2.06649971879583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_invert_dw	SOIL	RF(f)	2.07	2.06649971879583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_invert_dw	SOIL	VS(i)	2.07	2.06649971879583	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_plant_dw	SOIL	AK(f)	0.489	0.488821163038263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_plant_dw	SOIL	AK(fi)	0.489	0.488821163038263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_plant_dw	SOIL	AR(ip)	0.489	0.488821163038263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_plant_dw	SOIL	AR(p)	0.489	0.488821163038263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_plant_dw	SOIL	DC(p)	0.489	0.488821163038263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_plant_dw	SOIL	DM(ip)	0.489	0.488821163038263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Fluorene	86-73-7	TF_plant_dw	SOIL	RF(f)	0.489	0.488821163038263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_flesh_dw	SOIL	AK(f)	0.094	8.87071373345101E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_flesh_dw	SOIL	AK(fi)	0.094	8.87071373345101E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_flesh_dw	SOIL	RF(f)	0.094	8.87071373345101E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_invert_dw	SEDIMENT	BA(i)	1.87	1.87385227582346	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_invert_dw	SEDIMENT	VGS(i)	1.87	1.87385227582346	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_invert_dw	SOIL	AK(f)	1.87	1.87385227582346	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_invert_dw	SOIL	AK(fi)	1.87	1.87385227582346	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_invert_dw	SOIL	AR(i)	1.87	1.87385227582346	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_invert_dw	SOIL	AR(ip)	1.87	1.87385227582346	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_invert_dw	SOIL	DM(ip)	1.87	1.87385227582346	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_invert_dw	SOIL	RF(f)	1.87	1.87385227582346	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_invert_dw	SOIL	VS(i)	1.87	1.87385227582346	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_plant_dw	SOIL	AK(f)	1.04	1.03848445500827	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_plant_dw	SOIL	AK(fi)	1.04	1.03848445500827	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_plant_dw	SOIL	AR(ip)	1.04	1.03848445500827	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_plant_dw	SOIL	AR(p)	1.04	1.03848445500827	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_plant_dw	SOIL	DC(p)	1.04	1.03848445500827	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_plant_dw	SOIL	DM(ip)	1.04	1.03848445500827	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Naphthalene	91-20-3	TF_plant_dw	SOIL	RF(f)	1.04	1.03848445500827	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_flesh_dw	SOIL	AK(f)	0.16	0.151072498952249	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_flesh_dw	SOIL	AK(fi)	0.16	0.151072498952249	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_flesh_dw	SOIL	RF(f)	0.16	0.151072498952249	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_invert_dw	SEDIMENT	BA(i)	1.98	1.98488500359794	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_invert_dw	SEDIMENT	VGS(i)	1.98	1.98488500359794	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_invert_dw	SOIL	AK(f)	1.98	1.98488500359794	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_invert_dw	SOIL	AK(fi)	1.98	1.98488500359794	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_invert_dw	SOIL	AR(i)	1.98	1.98488500359794	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_invert_dw	SOIL	AR(ip)	1.98	1.98488500359794	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_invert_dw	SOIL	DM(ip)	1.98	1.98488500359794	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_invert_dw	SOIL	RF(f)	1.98	1.98488500359794	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_invert_dw	SOIL	VS(i)	1.98	1.98488500359794	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_plant_dw	SOIL	AK(f)	0.667	0.666653248956303	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_plant_dw	SOIL	AK(fi)	0.667	0.666653248956303	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_plant_dw	SOIL	AR(ip)	0.667	0.666653248956303	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_plant_dw	SOIL	AR(p)	0.667	0.666653248956303	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_plant_dw	SOIL	DC(p)	0.667	0.666653248956303	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_plant_dw	SOIL	DM(ip)	0.667	0.666653248956303	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polyaromatic Hydrocarbon	Methylnaphthalene[2-]	91-57-6	TF_plant_dw	SOIL	RF(f)	0.667	0.666653248956303	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_flesh_dw	SOIL	AK(f)	4.68	4.30510521762389	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 -

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_flesh_dw	SOIL	AK(fi)	4.68	4.30510521762389	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_flesh_dw	SOIL	RF(f)	4.68	4.30510521762389	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_invert_dw	SEDIMENT	BA(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_invert_dw	SEDIMENT	VGS(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_invert_dw	SOIL	AK(f)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_invert_dw	SOIL	AK(fi)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_invert_dw	SOIL	AR(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_invert_dw	SOIL	AR(ip)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_invert_dw	SOIL	DM(ip)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_invert_dw	SOIL	RF(f)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_invert_dw	SOIL	VS(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_plant_dw	SOIL	AK(f)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_plant_dw	SOIL	AK(fi)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_plant_dw	SOIL	AR(ip)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_plant_dw	SOIL	AR(p)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_plant_dw	SOIL	DC(p)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_plant_dw	SOIL	DM(ip)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1260	11096-82-5	TF_plant_dw	SOIL	RF(f)	0.0907	9.07089207998822E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_flesh_dw	SOIL	AK(f)	4.38	4.02720530375529	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_flesh_dw	SOIL	AK(fi)	4.38	4.02720530375529	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_flesh_dw	SOIL	RF(f)	4.38	4.02720530375529	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									[I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_invert_dw	SEDIMENT	BA(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_invert_dw	SEDIMENT	VGS(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_invert_dw	SOIL	AK(f)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_invert_dw	SOIL	AK(fi)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_invert_dw	SOIL	AR(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_invert_dw	SOIL	AR(ip)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_invert_dw	SOIL	DM(ip)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_invert_dw	SOIL	RF(f)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_invert_dw	SOIL	VS(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_plant_dw	SOIL	AK(f)	0.0965	9.65161522875096E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_plant_dw	SOIL	AK(fi)	0.0965	9.65161522875096E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_plant_dw	SOIL	AR(ip)	0.0965	9.65161522875096E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_plant_dw	SOIL	AR(p)	0.0965	9.65161522875096E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_plant_dw	SOIL	DC(p)	0.0965	9.65161522875096E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_plant_dw	SOIL	DM(ip)	0.0965	9.65161522875096E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1254	11097-69-1	TF_plant_dw	SOIL	RF(f)	0.0965	9.65161522875096E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_flesh_dw	SOIL	AK(f)	2.88	2.64754755839142	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_flesh_dw	SOIL	AK(fi)	2.88	2.64754755839142	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_flesh_dw	SOIL	RF(f)	2.88	2.64754755839142	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_invert_dw	SEDIMENT	BA(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_invert_dw	SEDIMENT	VGS(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_invert_dw	SOIL	AK(f)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_invert_dw	SOIL	AK(fi)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_invert_dw	SOIL	AR(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes

Analyte Group	Analyte Name	Analyte Code	Parameter	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_invert_dw	SOIL	AR(ip)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_invert_dw	SOIL	DM(ip)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_invert_dw	SOIL	RF(f)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_invert_dw	SOIL	VS(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_plant_dw	SOIL	AK(f)	0.143	0.142560759360219	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_plant_dw	SOIL	AK(fi)	0.143	0.142560759360219	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_plant_dw	SOIL	AR(ip)	0.143	0.142560759360219	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_plant_dw	SOIL	AR(p)	0.143	0.142560759360219	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_plant_dw	SOIL	DC(p)	0.143	0.142560759360219	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_plant_dw	SOIL	DM(ip)	0.143	0.142560759360219	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1248	12672-29-6	TF_plant_dw	SOIL	RF(f)	0.143	0.142560759360219	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_flesh_dw	SOIL	AK(f)	0.695	0.63971092866631	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_flesh_dw	SOIL	AK(fi)	0.695	0.63971092866631	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_flesh_dw	SOIL	RF(f)	0.695	0.63971092866631	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_invert_dw	SEDIMENT	BA(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_invert_dw	SEDIMENT	VGS(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_invert_dw	SOIL	AK(f)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_invert_dw	SOIL	AK(fi)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_invert_dw	SOIL	AR(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_invert_dw	SOIL	AR(ip)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_invert_dw	SOIL	DM(ip)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_invert_dw	SOIL	RF(f)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_invert_dw	SOIL	VS(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_plant_dw	SOIL	AK(f)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_plant_dw	SOIL	AK(fi)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_plant_dw	SOIL	AR(ip)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_plant_dw	SOIL	AR(p)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_plant_dw	SOIL	DC(p)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes

Analyte Group	Analyte Name	Analyte Code	Parameter	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_plant_dw	SOIL	DM(ip)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1016	12674-11-2	TF_plant_dw	SOIL	RF(f)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_flesh_dw	SOIL	AK(f)	0.695	0.63971092866631	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_flesh_dw	SOIL	AK(fi)	0.695	0.63971092866631	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_flesh_dw	SOIL	RF(f)	0.695	0.63971092866631	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_invert_dw	SEDIMENT	BA(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_invert_dw	SEDIMENT	VGS(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_invert_dw	SOIL	AK(f)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_invert_dw	SOIL	AK(fi)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_invert_dw	SOIL	AR(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_invert_dw	SOIL	AR(ip)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_invert_dw	SOIL	DM(ip)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_invert_dw	SOIL	RF(f)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_invert_dw	SOIL	VS(i)	6.8	6.76646706586826	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_plant_dw	SOIL	AK(f)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_plant_dw	SOIL	AK(fi)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_plant_dw	SOIL	AR(ip)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_plant_dw	SOIL	AR(p)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_plant_dw	SOIL	DC(p)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_plant_dw	SOIL	DM(ip)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Polychlorinated Biphenyl	Aroclor-1242	53469-21-9	TF_plant_dw	SOIL	RF(f)	0.534	0.534133724971633	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_flesh_dw	SOIL	AK(f)	0.0553	5.20925994286995E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_flesh_dw	SOIL	AK(fi)	0.0553	5.20925994286995E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 -

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_flesh_dw	SOIL	RF(f)	0.0553	5.20925994286995E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_invert_dw	SEDIMENT	BA(i)	1.77	1.76903062154427	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_invert_dw	SEDIMENT	VGS(i)	1.77	1.76903062154427	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_invert_dw	SOIL	AK(f)	1.77	1.76903062154427	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_invert_dw	SOIL	AK(fi)	1.77	1.76903062154427	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_invert_dw	SOIL	AR(i)	1.77	1.76903062154427	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_invert_dw	SOIL	AR(ip)	1.77	1.76903062154427	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_invert_dw	SOIL	DM(ip)	1.77	1.76903062154427	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_invert_dw	SOIL	RF(f)	1.77	1.76903062154427	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile	Chlorobenzene	108-90-	TF_invert_dw	SOIL	VS(i)	1.77	1.76903062154427	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Organic compound		7							figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_plant_dw	SOIL	AK(f)	1.62	1.61770750383686	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_plant_dw	SOIL	AK(fi)	1.62	1.61770750383686	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_plant_dw	SOIL	AR(ip)	1.62	1.61770750383686	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_plant_dw	SOIL	AR(p)	1.62	1.61770750383686	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_plant_dw	SOIL	DC(p)	1.62	1.61770750383686	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_plant_dw	SOIL	DM(ip)	1.62	1.61770750383686	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorobenzene	108-90-7	TF_plant_dw	SOIL	RF(f)	1.62	1.61770750383686	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_flesh_dw	SOIL	AK(f)	0.0177	1.66170872315936E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Phenol	108-95-2	TF_flesh_dw	SOIL	AK(fi)	0.0177	1.66170872315936E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
Semivolatile Organic compound	Phenol	108-95-2	TF_flesh_dw	SOIL	RF(f)	0.0177	1.66170872315936E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Phenol	108-95-2	TF_invert_dw	SEDIMENT	BA(i)	1.51	1.50916022494002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_invert_dw	SEDIMENT	VGS(i)	1.51	1.50916022494002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_invert_dw	SOIL	AK(f)	1.51	1.50916022494002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_invert_dw	SOIL	AK(fi)	1.51	1.50916022494002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_invert_dw	SOIL	AR(i)	1.51	1.50916022494002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_invert_dw	SOIL	AR(ip)	1.51	1.50916022494002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_invert_dw	SOIL	DM(ip)	1.51	1.50916022494002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_invert_dw	SOIL	RF(f)	1.51	1.50916022494002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_invert_dw	SOIL	VS(i)	1.51	1.50916022494002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic	Phenol	108-95-2	TF_plant_dw	SOIL	AK(f)	5.5	5.49794005063592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
compound									
Semivolatile Organic compound	Phenol	108-95-2	TF_plant_dw	SOIL	AK(fi)	5.5	5.49794005063592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_plant_dw	SOIL	AR(ip)	5.5	5.49794005063592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_plant_dw	SOIL	AR(p)	5.5	5.49794005063592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_plant_dw	SOIL	DC(p)	5.5	5.49794005063592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_plant_dw	SOIL	DM(ip)	5.5	5.49794005063592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Phenol	108-95-2	TF_plant_dw	SOIL	RF(f)	5.5	5.49794005063592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_flesh_dw	SOIL	AK(f)	6.32	5.90273689797033	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_flesh_dw	SOIL	AK(fi)	6.32	5.90273689797033	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic	Bis(2-ethylhexyl)phthalate	117-81-7	TF_flesh_dw	SOIL	RF(f)	6.32	5.90273689797033	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
compound									[I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_invert_dw	SEDIMENT	BA(i)	2.95	2.94941137268715	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_invert_dw	SEDIMENT	VGS(i)	2.95	2.94941137268715	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_invert_dw	SOIL	AK(f)	2.95	2.94941137268715	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_invert_dw	SOIL	AK(fi)	2.95	2.94941137268715	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_invert_dw	SOIL	AR(i)	2.95	2.94941137268715	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_invert_dw	SOIL	AR(ip)	2.95	2.94941137268715	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_invert_dw	SOIL	DM(ip)	2.95	2.94941137268715	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_invert_dw	SOIL	RF(f)	2.95	2.94941137268715	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_invert_dw	SOIL	VS(i)	2.95	2.94941137268715	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_plant_dw	SOIL	AK(f)	0.0316	3.15863904842347E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_plant_dw	SOIL	AK(fi)	0.0316	3.15863904842347E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_plant_dw	SOIL	AR(ip)	0.0316	3.15863904842347E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_plant_dw	SOIL	AR(p)	0.0316	3.15863904842347E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_plant_dw	SOIL	DC(p)	0.0316	3.15863904842347E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_plant_dw	SOIL	DM(ip)	0.0316	3.15863904842347E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Bis(2-ethylhexyl)phthalate	117-81-7	TF_plant_dw	SOIL	RF(f)	0.0316	3.15863904842347E-02	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_flesh_dw	SOIL	AK(f)	0.686	0.643174002117183	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_flesh_dw	SOIL	AK(fi)	0.686	0.643174002117183	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_flesh_dw	SOIL	RF(f)	0.686	0.643174002117183	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_invert_dw	SEDIMENT	BA(i)	2.32	2.32132180295227	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_invert_dw	SEDIMENT	VGS(i)	2.32	2.32132180295227	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_invert_dw	SOIL	AK(f)	2.32	2.32132180295227	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_invert_dw	SOIL	AK(fi)	2.32	2.32132180295227	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_invert_dw	SOIL	AR(i)	2.32	2.32132180295227	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_invert_dw	SOIL	AR(ip)	2.32	2.32132180295227	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_invert_dw	SOIL	DM(ip)	2.32	2.32132180295227	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_invert_dw	SOIL	RF(f)	2.32	2.32132180295227	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_invert_dw	SOIL	VS(i)	2.32	2.32132180295227	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_plant_dw	SOIL	AK(f)	0.2	0.199664106949792	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_plant_dw	SOIL	AK(fi)	0.2	0.199664106949792	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_plant_dw	SOIL	AR(ip)	0.2	0.199664106949792	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic	Di-n-octylphthalate	117-84-0	TF_plant_dw	SOIL	AR(p)	0.2	0.199664106949792	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
compound									
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_plant_dw	SOIL	DC(p)	0.2	0.199664106949792	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_plant_dw	SOIL	DM(ip)	0.2	0.199664106949792	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-octylphthalate	117-84-0	TF_plant_dw	SOIL	RF(f)	0.2	0.199664106949792	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_flesh_dw	SOIL	AK(f)	0.0178	1.67565156017842E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_flesh_dw	SOIL	AK(fi)	0.0178	1.67565156017842E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_flesh_dw	SOIL	RF(f)	0.0178	1.67565156017842E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile	Dimethyl Phthalate	131-11-	TF_invert_dw	SEDIMENT	BA(i)	1.52	1.52487888406004	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Organic compound		3							figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_invert_dw	SEDIMENT	VGS(i)	1.52	1.52487888406004	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_invert_dw	SOIL	AK(f)	1.52	1.52487888406004	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_invert_dw	SOIL	AK(fi)	1.52	1.52487888406004	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_invert_dw	SOIL	AR(i)	1.52	1.52487888406004	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_invert_dw	SOIL	AR(ip)	1.52	1.52487888406004	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_invert_dw	SOIL	DM(ip)	1.52	1.52487888406004	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_invert_dw	SOIL	RF(f)	1.52	1.52487888406004	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_invert_dw	SOIL	VS(i)	1.52	1.52487888406004	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_plant_dw	SOIL	AK(f)	5.08	5.07633179094301	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_plant_dw	SOIL	AK(fi)	5.08	5.07633179094301	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_plant_dw	SOIL	AR(ip)	5.08	5.07633179094301	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_plant_dw	SOIL	AR(p)	5.08	5.07633179094301	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_plant_dw	SOIL	DC(p)	5.08	5.07633179094301	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_plant_dw	SOIL	DM(ip)	5.08	5.07633179094301	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dimethyl Phthalate	131-11-3	TF_plant_dw	SOIL	RF(f)	5.08	5.07633179094301	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_flesh_dw	SOIL	AK(f)	0.212	0.199269168808853	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_flesh_dw	SOIL	AK(fi)	0.212	0.199269168808853	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_flesh_dw	SOIL	RF(f)	0.212	0.199269168808853	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_invert_dw	SEDIMENT	BA(i)	2.05	2.04519795838003	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic	Dibenzofuran	132-64-9	TF_invert_dw	SEDIMENT	VGS(i)	2.05	2.04519795838003	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
compound									
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_invert_dw	SOIL	AK(f)	2.05	2.04519795838003	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_invert_dw	SOIL	AK(fi)	2.05	2.04519795838003	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_invert_dw	SOIL	AR(i)	2.05	2.04519795838003	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_invert_dw	SOIL	AR(ip)	2.05	2.04519795838003	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_invert_dw	SOIL	DM(ip)	2.05	2.04519795838003	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_invert_dw	SOIL	RF(f)	2.05	2.04519795838003	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_invert_dw	SOIL	VS(i)	2.05	2.04519795838003	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_plant_dw	SOIL	AK(f)	0.529	0.529419581017428	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_plant_dw	SOIL	AK(fi)	0.529	0.529419581017428	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_plant_dw	SOIL	AR(ip)	0.529	0.529419581017428	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_plant_dw	SOIL	AR(p)	0.529	0.529419581017428	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_plant_dw	SOIL	DC(p)	0.529	0.529419581017428	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Dibenzofuran	132-64-9	TF_plant_dw	SOIL	DM(ip)	0.529	0.529419581017428	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile	Dibenzofuran	132-64-	TF_plant_dw	SOIL	RF(f)	0.529	0.529419581017428	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Organic compound		9							figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_flesh_dw	SOIL	AK(f)	0.0714	0.067257073110579	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_flesh_dw	SOIL	AK(fi)	0.0714	0.067257073110579	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_flesh_dw	SOIL	RF(f)	0.0714	0.067257073110579	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_invert_dw	SEDIMENT	BA(i)	1.82	1.81859231083231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_invert_dw	SEDIMENT	VGS(i)	1.82	1.81859231083231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_invert_dw	SOIL	AK(f)	1.82	1.81859231083231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_invert_dw	SOIL	AK(fi)	1.82	1.81859231083231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_invert_dw	SOIL	AR(i)	1.82	1.81859231083231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_invert_dw	SOIL	AR(ip)	1.82	1.81859231083231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_invert_dw	SOIL	DM(ip)	1.82	1.81859231083231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_invert_dw	SOIL	RF(f)	1.82	1.81859231083231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_invert_dw	SOIL	VS(i)	1.82	1.81859231083231	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_plant_dw	SOIL	AK(f)	1.31	1.30767553892022	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_plant_dw	SOIL	AK(fi)	1.31	1.30767553892022	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_plant_dw	SOIL	AR(ip)	1.31	1.30767553892022	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_plant_dw	SOIL	AR(p)	1.31	1.30767553892022	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_plant_dw	SOIL	DC(p)	1.31	1.30767553892022	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_plant_dw	SOIL	DM(ip)	1.31	1.30767553892022	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chloro-3-methylphenol[4-]	59-50-7	TF_plant_dw	SOIL	RF(f)	1.31	1.30767553892022	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_flesh_dw	SOIL	AK(f)	0.0182	0.018162475859321	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									{1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_flesh_dw	SOIL	AK(fi)	0.0182	0.018162475859321	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_flesh_dw	SOIL	RF(f)	0.0182	0.018162475859321	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_invert_dw	SEDIMENT	BA(i)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_invert_dw	SEDIMENT	VGS(i)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_invert_dw	SOIL	AK(f)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_invert_dw	SOIL	AK(fi)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic	Benzoic Acid	65-85-0	TF_invert_dw	SOIL	AR(i)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
compound									
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_invert_dw	SOIL	AR(ip)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_invert_dw	SOIL	DM(ip)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_invert_dw	SOIL	RF(f)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_invert_dw	SOIL	VS(i)	1.58	1.57846643196949	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_plant_dw	SOIL	AK(f)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_plant_dw	SOIL	AK(fi)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_plant_dw	SOIL	AR(ip)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_plant_dw	SOIL	AR(p)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_plant_dw	SOIL	DC(p)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_plant_dw	SOIL	DM(ip)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Benzoic Acid	65-85-0	TF_plant_dw	SOIL	RF(f)	3.89	3.89089938050295	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_flesh_dw	SOIL	AK(f)	0.369	0.346722720067517	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_flesh_dw	SOIL	AK(fi)	0.369	0.346722720067517	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_flesh_dw	SOIL	RF(f)	0.369	0.346722720067517	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_invert_dw	SEDIMENT	BA(i)	2.17	2.17137758600398	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_invert_dw	SEDIMENT	VGS(i)	2.17	2.17137758600398	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_invert_dw	SOIL	AK(f)	2.17	2.17137758600398	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_invert_dw	SOIL	AK(fi)	2.17	2.17137758600398	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_invert_dw	SOIL	AR(i)	2.17	2.17137758600398	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_invert_dw	SOIL	AR(ip)	2.17	2.17137758600398	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_invert_dw	SOIL	DM(ip)	2.17	2.17137758600398	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_invert_dw	SOIL	RF(f)	2.17	2.17137758600398	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_invert_dw	SOIL	VS(i)	2.17	2.17137758600398	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_plant_dw	SOIL	AK(f)	0.334	0.333887376725123	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_plant_dw	SOIL	AK(fi)	0.334	0.333887376725123	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_plant_dw	SOIL	AR(ip)	0.334	0.333887376725123	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_plant_dw	SOIL	AR(p)	0.334	0.333887376725123	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_plant_dw	SOIL	DC(p)	0.334	0.333887376725123	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_plant_dw	SOIL	DM(ip)	0.334	0.333887376725123	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachloronitrobenzene	82-68-8	TF_plant_dw	SOIL	RF(f)	0.334	0.333887376725123	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_flesh_dw	SOIL	AK(f)	0.357	0.335817798397471	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile	Di-n-Butyl Phthalate	84-74-2	TF_flesh_dw	SOIL	AK(fi)	0.357	0.335817798397471	Updated Value	This parameter is a calculated value.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Organic compound									Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_flesh_dw	SOIL	RF(f)	0.357	0.335817798397471	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_invert_dw	SEDIMENT	BA(i)	2.16	2.16389085009027	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_invert_dw	SEDIMENT	VGS(i)	2.16	2.16389085009027	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_invert_dw	SOIL	AK(f)	2.16	2.16389085009027	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_invert_dw	SOIL	AK(fi)	2.16	2.16389085009027	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_invert_dw	SOIL	AR(i)	2.16	2.16389085009027	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_invert_dw	SOIL	AR(ip)	2.16	2.16389085009027	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_invert_dw	SOIL	DM(ip)	2.16	2.16389085009027	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile	Di-n-Butyl Phthalate	84-74-2	TF_invert_dw	SOIL	RF(f)	2.16	2.16389085009027	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Organic compound									figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_invert_dw	SOIL	VS(i)	2.16	2.16389085009027	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_plant_dw	SOIL	AK(f)	0.343	0.342886194793002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_plant_dw	SOIL	AK(fi)	0.343	0.342886194793002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_plant_dw	SOIL	AR(ip)	0.343	0.342886194793002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_plant_dw	SOIL	AR(p)	0.343	0.342886194793002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_plant_dw	SOIL	DC(p)	0.343	0.342886194793002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_plant_dw	SOIL	DM(ip)	0.343	0.342886194793002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Di-n-Butyl Phthalate	84-74-2	TF_plant_dw	SOIL	RF(f)	0.343	0.342886194793002	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_flesh_dw	SOIL	AK(f)	0.457	0.429051838660143	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_flesh_dw	SOIL	AK(fi)	0.457	0.429051838660143	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw,

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_flesh_dw	SOIL	RF(f)	0.457	0.429051838660143	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_invert_dw	SEDIMENT	BA(i)	2.22	2.22195546735337	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_invert_dw	SEDIMENT	VGS(i)	2.22	2.22195546735337	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_invert_dw	SOIL	AK(f)	2.22	2.22195546735337	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_invert_dw	SOIL	AK(fi)	2.22	2.22195546735337	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_invert_dw	SOIL	AR(i)	2.22	2.22195546735337	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_invert_dw	SOIL	AR(ip)	2.22	2.22195546735337	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_invert_dw	SOIL	DM(ip)	2.22	2.22195546735337	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_invert_dw	SOIL	RF(f)	2.22	2.22195546735337	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_invert_dw	SOIL	VS(i)	2.22	2.22195546735337	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes

Analyte Group	Analyte Name	Analyte Code	Parameter	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_plant_dw	SOIL	AK(f)	0.28	0.27964045493982	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_plant_dw	SOIL	AK(fi)	0.28	0.27964045493982	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_plant_dw	SOIL	AR(ip)	0.28	0.27964045493982	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_plant_dw	SOIL	AR(p)	0.28	0.27964045493982	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_plant_dw	SOIL	DC(p)	0.28	0.27964045493982	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_plant_dw	SOIL	DM(ip)	0.28	0.27964045493982	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Butyl Benzyl Phthalate	85-68-7	TF_plant_dw	SOIL	RF(f)	0.28	0.27964045493982	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_flesh_dw	SOIL	AK(f)	0.12	0.113322867309755	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Carbazole	86-74-8	TF_flesh_dw	SOIL	AK(fi)	0.12	0.113322867309755	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Semivolatile Organic compound	Carbazole	86-74-8	TF_flesh_dw	SOIL	RF(f)	0.12	0.113322867309755	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Carbazole	86-74-8	TF_invert_dw	SEDIMENT	BA(i)	1.92	1.92413416282286	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_invert_dw	SEDIMENT	VGS(i)	1.92	1.92413416282286	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_invert_dw	SOIL	AK(f)	1.92	1.92413416282286	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_invert_dw	SOIL	AK(fi)	1.92	1.92413416282286	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_invert_dw	SOIL	AR(i)	1.92	1.92413416282286	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_invert_dw	SOIL	AR(ip)	1.92	1.92413416282286	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_invert_dw	SOIL	DM(ip)	1.92	1.92413416282286	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_invert_dw	SOIL	RF(f)	1.92	1.92413416282286	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_invert_dw	SOIL	VS(i)	1.92	1.92413416282286	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_plant_dw	SOIL	AK(f)	0.847	0.846934842686679	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile	Carbazole	86-74-8	TF_plant_dw	SOIL	AK(fi)	0.847	0.846934842686679	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Organic compound									figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_plant_dw	SOIL	AR(ip)	0.847	0.846934842686679	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_plant_dw	SOIL	AR(p)	0.847	0.846934842686679	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_plant_dw	SOIL	DC(p)	0.847	0.846934842686679	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_plant_dw	SOIL	DM(ip)	0.847	0.846934842686679	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Carbazole	86-74-8	TF_plant_dw	SOIL	RF(f)	0.847	0.846934842686679	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_flesh_dw	SOIL	AK(f)	0.598	0.559986524702396	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_flesh_dw	SOIL	AK(fi)	0.598	0.559986524702396	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_flesh_dw	SOIL	RF(f)	0.598	0.559986524702396	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 -

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_invert_dw	SEDIMENT	BA(i)	2.29	2.28683773840263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_invert_dw	SEDIMENT	VGS(i)	2.29	2.28683773840263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_invert_dw	SOIL	AK(f)	2.29	2.28683773840263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_invert_dw	SOIL	AK(fi)	2.29	2.28683773840263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_invert_dw	SOIL	AR(i)	2.29	2.28683773840263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_invert_dw	SOIL	AR(ip)	2.29	2.28683773840263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_invert_dw	SOIL	DM(ip)	2.29	2.28683773840263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_invert_dw	SOIL	RF(f)	2.29	2.28683773840263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_invert_dw	SOIL	VS(i)	2.29	2.28683773840263	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_plant_dw	SOIL	AK(f)	0.224	0.224052606184116	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_plant_dw	SOIL	AK(fi)	0.224	0.224052606184116	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic	Pentachlorophenol	87-86-5	TF_plant_dw	SOIL	AR(ip)	0.224	0.224052606184116	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
compound									
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_plant_dw	SOIL	AR(p)	0.224	0.224052606184116	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_plant_dw	SOIL	DC(p)	0.224	0.224052606184116	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_plant_dw	SOIL	DM(ip)	0.224	0.224052606184116	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Pentachlorophenol	87-86-5	TF_plant_dw	SOIL	RF(f)	0.224	0.224052606184116	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_flesh_dw	SOIL	AK(f)	0.0186	2.44668349560674E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_flesh_dw	SOIL	AK(fi)	0.0186	2.44668349560674E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_flesh_dw	SOIL	RF(f)	0.0186	2.44668349560674E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_invert_dw	SEDIMENT	BA(i)	1.63	1.63017921122799	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_invert_dw	SEDIMENT	VGS(i)	1.63	1.63017921122799	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_invert_dw	SOIL	AK(f)	1.63	1.63017921122799	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_invert_dw	SOIL	AK(fi)	1.63	1.63017921122799	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_invert_dw	SOIL	AR(i)	1.63	1.63017921122799	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_invert_dw	SOIL	AR(ip)	1.63	1.63017921122799	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_invert_dw	SOIL	DM(ip)	1.63	1.63017921122799	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_invert_dw	SOIL	RF(f)	1.63	1.63017921122799	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_invert_dw	SOIL	VS(i)	1.63	1.63017921122799	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_plant_dw	SOIL	AK(f)	3.04	3.03563813511255	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_plant_dw	SOIL	AK(fi)	3.04	3.03563813511255	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_plant_dw	SOIL	AR(ip)	3.04	3.03563813511255	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_plant_dw	SOIL	AR(p)	3.04	3.03563813511255	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_plant_dw	SOIL	DC(p)	3.04	3.03563813511255	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_plant_dw	SOIL	DM(ip)	3.04	3.03563813511255	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Chlorophenol[2-]	95-57-8	TF_plant_dw	SOIL	RF(f)	3.04	3.03563813511255	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_flesh_dw	SOIL	AK(f)	0.0182	1.75918465750152E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_flesh_dw	SOIL	AK(fi)	0.0182	1.75918465750152E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_flesh_dw	SOIL	RF(f)	0.0182	1.75918465750152E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Semivolatile Organic	Nitrobenzene	98-95-3	TF_invert_dw	SEDIMENT	BA(i)	1.57	1.5730240062021	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
compound									
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_invert_dw	SEDIMENT	VGS(i)	1.57	1.5730240062021	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_invert_dw	SOIL	AK(f)	1.57	1.5730240062021	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_invert_dw	SOIL	AK(fi)	1.57	1.5730240062021	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_invert_dw	SOIL	AR(i)	1.57	1.5730240062021	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_invert_dw	SOIL	AR(ip)	1.57	1.5730240062021	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_invert_dw	SOIL	DM(ip)	1.57	1.5730240062021	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_invert_dw	SOIL	RF(f)	1.57	1.5730240062021	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_invert_dw	SOIL	VS(i)	1.57	1.5730240062021	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_plant_dw	SOIL	AK(f)	4	3.99576556618806	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_plant_dw	SOIL	AK(fi)	4	3.99576556618806	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_plant_dw	SOIL	AR(ip)	4	3.99576556618806	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_plant_dw	SOIL	AR(p)	4	3.99576556618806	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_plant_dw	SOIL	DC(p)	4	3.99576556618806	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Semivolatile	Nitrobenzene	98-95-3	TF_plant_dw	SOIL	DM(ip)	4	3.99576556618806	Updated Value	Previous value now rounded to 3 significant

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Organic compound									figures for consistency in reporting data.
Semivolatile Organic compound	Nitrobenzene	98-95-3	TF_plant_dw	SOIL	RF(f)	4	3.99576556618806	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_flesh_dw	SOIL	AK(f)	0.101	9.45591355897401E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_flesh_dw	SOIL	AK(fi)	0.101	9.45591355897401E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_flesh_dw	SOIL	RF(f)	0.101	9.45591355897401E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_invert_dw	SOIL	AK(f)	1.89	1.88684119927667	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_invert_dw	SOIL	AK(fi)	1.89	1.88684119927667	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_invert_dw	SOIL	AR(i)	1.89	1.88684119927667	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_invert_dw	SOIL	AR(ip)	1.89	1.88684119927667	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_invert_dw	SOIL	DM(ip)	1.89	1.88684119927667	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_invert_dw	SOIL	RF(f)	1.89	1.88684119927667	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_invert_dw	SOIL	VS(i)	1.89	1.88684119927667	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_plant_dw	SOIL	AK(f)	0.985	0.984691071376939	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_plant_dw	SOIL	AK(fi)	0.985	0.984691071376939	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_plant_dw	SOIL	AR(ip)	0.985	0.984691071376939	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_plant_dw	SOIL	AR(p)	0.985	0.984691071376939	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_plant_dw	SOIL	DC(p)	0.985	0.984691071376939	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_plant_dw	SOIL	DM(ip)	0.985	0.984691071376939	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichlorobenzene[1,4-]	106-46-7	TF_plant_dw	SOIL	RF(f)	0.985	0.984691071376939	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_flesh_dw	SOIL	AK(f)	0.0177	1.66018503117663E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_flesh_dw	SOIL	AK(fi)	0.0177	1.66018503117663E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_flesh_dw	SOIL	RF(f)	0.0177	1.66018503117663E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_invert_dw	SEDIMENT	BA(i)	0.00151	1.50916022494002E-03	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_invert_dw	SEDIMENT	VGS(i)	0.00151	1.50916022494002E-03	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_invert_dw	SOIL	AK(f)	0.00151	1.50916022494002E-03	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_invert_dw	SOIL	AK(fi)	0.00151	1.50916022494002E-03	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_invert_dw	SOIL	AR(i)	0.00151	1.50916022494002E-03	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_invert_dw	SOIL	AR(ip)	0.00151	1.50916022494002E-03	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_invert_dw	SOIL	DM(ip)	0.00151	1.50916022494002E-03	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_invert_dw	SOIL	RF(f)	0.00151	1.50916022494002E-03	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_invert_dw	SOIL	VS(i)	0.00151	1.50916022494002E-03	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_plant_dw	SOIL	AK(f)	5.55	5.54689570278706	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_plant_dw	SOIL	AK(fi)	5.55	5.54689570278706	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_plant_dw	SOIL	AR(ip)	5.55	5.54689570278706	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_plant_dw	SOIL	AR(p)	5.55	5.54689570278706	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_plant_dw	SOIL	DC(p)	5.55	5.54689570278706	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_plant_dw	SOIL	DM(ip)	5.55	5.54689570278706	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,2-]	107-06-2	TF_plant_dw	SOIL	RF(f)	5.55	5.54689570278706	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_flesh_dw	SOIL	AK(f)	0.0195	4.63363754736264E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Toluene	108-88-3	TF_flesh_dw	SOIL	AK(fi)	0.0195	4.63363754736264E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Toluene	108-88-3	TF_flesh_dw	SOIL	RF(f)	0.0195	4.63363754736264E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Toluene	108-88-3	TF_invert_dw	SEDIMENT	BA(i)	1.75	1.74676849582781	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_invert_dw	SEDIMENT	VGS(i)	1.75	1.74676849582781	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_invert_dw	SOIL	AK(f)	1.75	1.74676849582781	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Toluene	108-88-3	TF_invert_dw	SOIL	AK(fi)	1.75	1.74676849582781	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_invert_dw	SOIL	AR(i)	1.75	1.74676849582781	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_invert_dw	SOIL	AR(ip)	1.75	1.74676849582781	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_invert_dw	SOIL	DM(ip)	1.75	1.74676849582781	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_invert_dw	SOIL	RF(f)	1.75	1.74676849582781	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_invert_dw	SOIL	VS(i)	1.75	1.74676849582781	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_plant_dw	SOIL	AK(f)	1.78	1.78340508251197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_plant_dw	SOIL	AK(fi)	1.78	1.78340508251197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_plant_dw	SOIL	AR(ip)	1.78	1.78340508251197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_plant_dw	SOIL	AR(p)	1.78	1.78340508251197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_plant_dw	SOIL	DC(p)	1.78	1.78340508251197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_plant_dw	SOIL	DM(ip)	1.78	1.78340508251197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Toluene	108-88-3	TF_plant_dw	SOIL	RF(f)	1.78	1.78340508251197	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_flesh_dw	SOIL	AK(f)	0.189	0.177240006627097	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_flesh_dw	SOIL	AK(fi)	0.189	0.177240006627097	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 -

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_flesh_dw	SOIL	RF(f)	0.189	0.177240006627097	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_invert_dw	SEDIMENT	BA(i)	2.02	2.019460442302	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_invert_dw	SEDIMENT	VGS(i)	2.02	2.019460442302	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_invert_dw	SOIL	AK(f)	2.02	2.019460442302	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_invert_dw	SOIL	AK(fi)	2.02	2.019460442302	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_invert_dw	SOIL	AR(i)	2.02	2.019460442302	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_invert_dw	SOIL	AR(ip)	2.02	2.019460442302	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_invert_dw	SOIL	DM(ip)	2.02	2.019460442302	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_invert_dw	SOIL	RF(f)	2.02	2.019460442302	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_invert_dw	SOIL	VS(i)	2.02	2.019460442302	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_plant_dw	SOIL	AK(f)	0.584	0.583646653878077	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_plant_dw	SOIL	AK(fi)	0.584	0.583646653878077	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_plant_dw	SOIL	AR(ip)	0.584	0.583646653878077	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_plant_dw	SOIL	AR(p)	0.584	0.583646653878077	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_plant_dw	SOIL	DC(p)	0.584	0.583646653878077	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_plant_dw	SOIL	DM(ip)	0.584	0.583646653878077	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichlorobenzene[1,2,4-]	120-82-1	TF_plant_dw	SOIL	RF(f)	0.584	0.583646653878077	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_flesh_dw	SOIL	AK(f)	0.0193	4.25538433565348E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_flesh_dw	SOIL	AK(fi)	0.0193	4.25538433565348E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_flesh_dw	SOIL	RF(f)	0.0193	4.25538433565348E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_invert_dw	SEDIMENT	BA(i)	1.73	1.73075402599848	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes

Analyte Group	Analyte Name	Analyte Code	Parameter	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_invert_dw	SEDIMENT	VGS(i)	1.73	1.73075402599848	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_invert_dw	SOIL	AK(f)	1.73	1.73075402599848	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_invert_dw	SOIL	AK(fi)	1.73	1.73075402599848	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_invert_dw	SOIL	AR(i)	1.73	1.73075402599848	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_invert_dw	SOIL	AR(ip)	1.73	1.73075402599848	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_invert_dw	SOIL	DM(ip)	1.73	1.73075402599848	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_invert_dw	SOIL	RF(f)	1.73	1.73075402599848	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_invert_dw	SOIL	VS(i)	1.73	1.73075402599848	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_plant_dw	SOIL	AK(f)	1.91	1.91447632456592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_plant_dw	SOIL	AK(fi)	1.91	1.91447632456592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_plant_dw	SOIL	AR(ip)	1.91	1.91447632456592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_plant_dw	SOIL	AR(p)	1.91	1.91447632456592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_plant_dw	SOIL	DC(p)	1.91	1.91447632456592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_plant_dw	SOIL	DM(ip)	1.91	1.91447632456592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethene	127-18-4	TF_plant_dw	SOIL	RF(f)	1.91	1.91447632456592	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_flesh_dw	SOIL	AK(f)	0.0794	7.48126807509952E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_flesh_dw	SOIL	AK(fi)	0.0794	7.48126807509952E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_flesh_dw	SOIL	RF(f)	0.0794	7.48126807509952E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_invert_dw	SEDIMENT	BA(i)	1.84	1.839650617313	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_invert_dw	SEDIMENT	VGS(i)	1.84	1.839650617313	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_invert_dw	SOIL	AK(f)	1.84	1.839650617313	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_invert_dw	SOIL	AK(fi)	1.84	1.839650617313	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_invert_dw	SOIL	AR(i)	1.84	1.839650617313	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_invert_dw	SOIL	AR(ip)	1.84	1.839650617313	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_invert_dw	SOIL	DM(ip)	1.84	1.839650617313	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_invert_dw	SOIL	RF(f)	1.84	1.839650617313	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_invert_dw	SOIL	VS(i)	1.84	1.839650617313	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_plant_dw	SOIL	AK(f)	1.2	1.19674053130724	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_plant_dw	SOIL	AK(fi)	1.2	1.19674053130724	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_plant_dw	SOIL	AR(ip)	1.2	1.19674053130724	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_plant_dw	SOIL	AR(p)	1.2	1.19674053130724	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_plant_dw	SOIL	DC(p)	1.2	1.19674053130724	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_plant_dw	SOIL	DM(ip)	1.2	1.19674053130724	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Xylene (Total)	1330-20-7	TF_plant_dw	SOIL	RF(f)	1.2	1.19674053130724	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_flesh_dw	SOIL	AK(f)	0.0182	1.79702377159986E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_flesh_dw	SOIL	AK(fi)	0.0182	1.79702377159986E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_flesh_dw	SOIL	RF(f)	0.0182	1.79702377159986E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_invert_dw	SEDIMENT	BA(i)	1.58	1.57665020103865	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_invert_dw	SEDIMENT	VGS(i)	1.58	1.57665020103865	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_invert_dw	SOIL	AK(f)	1.58	1.57665020103865	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_invert_dw	SOIL	AK(fi)	1.58	1.57665020103865	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_invert_dw	SOIL	AR(i)	1.58	1.57665020103865	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_invert_dw	SOIL	AR(ip)	1.58	1.57665020103865	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_invert_dw	SOIL	DM(ip)	1.58	1.57665020103865	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_invert_dw	SOIL	RF(f)	1.58	1.57665020103865	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_invert_dw	SOIL	VS(i)	1.58	1.57665020103865	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_plant_dw	SOIL	AK(f)	3.93	3.92554535970109	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_plant_dw	SOIL	AK(fi)	3.93	3.92554535970109	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_plant_dw	SOIL	AR(ip)	3.93	3.92554535970109	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_plant_dw	SOIL	AR(p)	3.93	3.92554535970109	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_plant_dw	SOIL	DC(p)	3.93	3.92554535970109	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_plant_dw	SOIL	DM(ip)	3.93	3.92554535970109	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[cis/trans-1,2-]	540-59-0	TF_plant_dw	SOIL	RF(f)	3.93	3.92554535970109	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_flesh_dw	SOIL	AK(f)	0.0157	1.44863498077252E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw,

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Acetone	67-64-1	TF_flesh_dw	SOIL	AK(fi)	0.0157	1.44863498077252E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Acetone	67-64-1	TF_flesh_dw	SOIL	RF(f)	0.0157	1.44863498077252E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Acetone	67-64-1	TF_invert_dw	SEDIMENT	BA(i)	1.24	1.23804192117068	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_invert_dw	SEDIMENT	VGS(i)	1.24	1.23804192117068	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_invert_dw	SOIL	AK(f)	1.24	1.23804192117068	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_invert_dw	SOIL	AK(fi)	1.24	1.23804192117068	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_invert_dw	SOIL	AR(i)	1.24	1.23804192117068	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_invert_dw	SOIL	AR(ip)	1.24	1.23804192117068	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_invert_dw	SOIL	DM(ip)	1.24	1.23804192117068	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_invert_dw	SOIL	RF(f)	1.24	1.23804192117068	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Acetone	67-64-1	TF_invert_dw	SOIL	VS(i)	1.24	1.23804192117068	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_plant_dw	SOIL	AK(f)	25.3	25.2580605483196	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_plant_dw	SOIL	AK(fi)	25.3	25.2580605483196	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_plant_dw	SOIL	AR(ip)	25.3	25.2580605483196	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_plant_dw	SOIL	AR(p)	25.3	25.2580605483196	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_plant_dw	SOIL	DC(p)	25.3	25.2580605483196	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_plant_dw	SOIL	DM(ip)	25.3	25.2580605483196	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Acetone	67-64-1	TF_plant_dw	SOIL	RF(f)	25.3	25.2580605483196	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_flesh_dw	SOIL	AK(f)	0.0183	1.91549711019305E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Chloroform	67-66-3	TF_flesh_dw	SOIL	AK(fi)	0.0183	1.91549711019305E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Chloroform	67-66-3	TF_flesh_dw	SOIL	RF(f)	0.0183	1.91549711019305E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Chloroform	67-66-3	TF_invert_dw	SEDIMENT	BA(i)	1.59	1.58757901812738	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_invert_dw	SEDIMENT	VGS(i)	1.59	1.58757901812738	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_invert_dw	SOIL	AK(f)	1.59	1.58757901812738	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_invert_dw	SOIL	AK(fi)	1.59	1.58757901812738	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_invert_dw	SOIL	AR(i)	1.59	1.58757901812738	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_invert_dw	SOIL	AR(ip)	1.59	1.58757901812738	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_invert_dw	SOIL	DM(ip)	1.59	1.58757901812738	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_invert_dw	SOIL	RF(f)	1.59	1.58757901812738	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_invert_dw	SOIL	VS(i)	1.59	1.58757901812738	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_plant_dw	SOIL	AK(f)	3.72	3.7222025301785	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_plant_dw	SOIL	AK(fi)	3.72	3.7222025301785	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_plant_dw	SOIL	AR(ip)	3.72	3.7222025301785	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_plant_dw	SOIL	AR(p)	3.72	3.7222025301785	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_plant_dw	SOIL	DC(p)	3.72	3.7222025301785	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_plant_dw	SOIL	DM(ip)	3.72	3.7222025301785	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Chloroform	67-66-3	TF_plant_dw	SOIL	RF(f)	3.72	3.7222025301785	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_flesh_dw	SOIL	AK(f)	0.0186	2.39515822918173E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									[I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Benzene	71-43-2	TF_flesh_dw	SOIL	AK(fi)	0.0186	2.39515822918173E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Benzene	71-43-2	TF_flesh_dw	SOIL	RF(f)	0.0186	2.39515822918173E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Benzene	71-43-2	TF_invert_dw	SEDIMENT	BA(i)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_invert_dw	SEDIMENT	VGS(i)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_invert_dw	SOIL	AK(f)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_invert_dw	SOIL	AK(fi)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_invert_dw	SOIL	AR(i)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_invert_dw	SOIL	AR(ip)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Benzene	71-43-2	TF_invert_dw	SOIL	DM(ip)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_invert_dw	SOIL	RF(f)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_invert_dw	SOIL	VS(i)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_plant_dw	SOIL	AK(f)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_plant_dw	SOIL	AK(fi)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_plant_dw	SOIL	AR(ip)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_plant_dw	SOIL	AR(p)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_plant_dw	SOIL	DC(p)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_plant_dw	SOIL	DM(ip)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Benzene	71-43-2	TF_plant_dw	SOIL	RF(f)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_flesh_dw	SOIL	AK(f)	0.0191	3.47622951131179E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_flesh_dw	SOIL	AK(fi)	0.0191	3.47622951131179E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_flesh_dw	SOIL	RF(f)	0.0191	3.47622951131179E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_invert_dw	SEDIMENT	BA(i)	1.69	1.69330562288121	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_invert_dw	SEDIMENT	VGS(i)	1.69	1.69330562288121	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_invert_dw	SOIL	AK(f)	1.69	1.69330562288121	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_invert_dw	SOIL	AK(fi)	1.69	1.69330562288121	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_invert_dw	SOIL	AR(i)	1.69	1.69330562288121	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_invert_dw	SOIL	AR(ip)	1.69	1.69330562288121	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_invert_dw	SOIL	DM(ip)	1.69	1.69330562288121	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_invert_dw	SOIL	RF(f)	1.69	1.69330562288121	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_invert_dw	SOIL	VS(i)	1.69	1.69330562288121	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_plant_dw	SOIL	AK(f)	2.27	2.26568745501291	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_plant_dw	SOIL	AK(fi)	2.27	2.26568745501291	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_plant_dw	SOIL	AR(ip)	2.27	2.26568745501291	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_plant_dw	SOIL	AR(p)	2.27	2.26568745501291	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_plant_dw	SOIL	DC(p)	2.27	2.26568745501291	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_plant_dw	SOIL	DM(ip)	2.27	2.26568745501291	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Trichloroethane[1,1,1-]	71-55-6	TF_plant_dw	SOIL	RF(f)	2.27	2.26568745501291	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_flesh_dw	SOIL	AK(f)	0.0174	0.016278472989099	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_flesh_dw	SOIL	AK(fi)	0.0174	0.016278472989099	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_flesh_dw	SOIL	RF(f)	0.0174	0.016278472989099	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_invert_dw	SEDIMENT	BA(i)	1.47	1.4697225259684	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_invert_dw	SEDIMENT	VGS(i)	1.47	1.4697225259684	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_invert_dw	SOIL	AK(f)	1.47	1.4697225259684	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_invert_dw	SOIL	AK(fi)	1.47	1.4697225259684	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_invert_dw	SOIL	AR(i)	1.47	1.4697225259684	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_invert_dw	SOIL	AR(ip)	1.47	1.4697225259684	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_invert_dw	SOIL	DM(ip)	1.47	1.4697225259684	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_invert_dw	SOIL	RF(f)	1.47	1.4697225259684	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_invert_dw	SOIL	VS(i)	1.47	1.4697225259684	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_plant_dw	SOIL	AK(f)	6.74	6.7413984988985	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_plant_dw	SOIL	AK(fi)	6.74	6.7413984988985	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_plant_dw	SOIL	AR(ip)	6.74	6.7413984988985	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_plant_dw	SOIL	AR(p)	6.74	6.7413984988985	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_plant_dw	SOIL	DC(p)	6.74	6.7413984988985	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_plant_dw	SOIL	DM(ip)	6.74	6.7413984988985	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Methylene Chloride	75-09-2	TF_plant_dw	SOIL	RF(f)	6.74	6.7413984988985	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_flesh_dw	SOIL	AK(f)	0.0181	0.017116384706527	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_flesh_dw	SOIL	AK(fi)	0.0181	0.017116384706527	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_flesh_dw	SOIL	RF(f)	0.0181	0.017116384706527	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_invert_dw	SEDIMENT	BA(i)	1.56	1.56399496473628	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_invert_dw	SEDIMENT	VGS(i)	1.56	1.56399496473628	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_invert_dw	SOIL	AK(f)	1.56	1.56399496473628	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_invert_dw	SOIL	AK(fi)	1.56	1.56399496473628	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_invert_dw	SOIL	AR(i)	1.56	1.56399496473628	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_invert_dw	SOIL	AR(ip)	1.56	1.56399496473628	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_invert_dw	SOIL	DM(ip)	1.56	1.56399496473628	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_invert_dw	SOIL	RF(f)	1.56	1.56399496473628	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_invert_dw	SOIL	VS(i)	1.56	1.56399496473628	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_plant_dw	SOIL	AK(f)	4.18	4.17686078069765	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_plant_dw	SOIL	AK(fi)	4.18	4.17686078069765	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_plant_dw	SOIL	AR(ip)	4.18	4.17686078069765	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_plant_dw	SOIL	AR(p)	4.18	4.17686078069765	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_plant_dw	SOIL	DC(p)	4.18	4.17686078069765	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_plant_dw	SOIL	DM(ip)	4.18	4.17686078069765	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethane[1,1-]	75-34-3	TF_plant_dw	SOIL	RF(f)	4.18	4.17686078069765	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_flesh_dw	SOIL	AK(f)	0.0186	2.39515822918173E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_flesh_dw	SOIL	AK(fi)	0.0186	2.39515822918173E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_flesh_dw	SOIL	RF(f)	0.0186	2.39515822918173E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_invert_dw	SEDIMENT	BA(i)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_invert_dw	SEDIMENT	VGS(i)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_invert_dw	SOIL	AK(f)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_invert_dw	SOIL	AK(fi)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_invert_dw	SOIL	AR(i)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_invert_dw	SOIL	AR(ip)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_invert_dw	SOIL	DM(ip)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_invert_dw	SOIL	RF(f)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_invert_dw	SOIL	VS(i)	1.63	1.62642990308437	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_plant_dw	SOIL	AK(f)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_plant_dw	SOIL	AK(fi)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_plant_dw	SOIL	AR(ip)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_plant_dw	SOIL	AR(p)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_plant_dw	SOIL	DC(p)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_plant_dw	SOIL	DM(ip)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Dichloroethene[1,1-]	75-35-4	TF_plant_dw	SOIL	RF(f)	3.09	3.08993966958355	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_flesh_dw	SOIL	AK(f)	0.0167	1.54408844663789E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_flesh_dw	SOIL	AK(fi)	0.0167	1.54408844663789E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw *

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									[I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_flesh_dw	SOIL	RF(f)	0.0167	1.54408844663789E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_invert_dw	SEDIMENT	BA(i)	1.37	1.36532282451795	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_invert_dw	SEDIMENT	VGS(i)	1.37	1.36532282451795	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_invert_dw	SOIL	AK(f)	1.37	1.36532282451795	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_invert_dw	SOIL	AK(fi)	1.37	1.36532282451795	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_invert_dw	SOIL	AR(i)	1.37	1.36532282451795	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_invert_dw	SOIL	AR(ip)	1.37	1.36532282451795	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_invert_dw	SOIL	DM(ip)	1.37	1.36532282451795	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_invert_dw	SOIL	RF(f)	1.37	1.36532282451795	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_invert_dw	SOIL	VS(i)	1.37	1.36532282451795	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_plant_dw	SOIL	AK(f)	11.9	11.8891279246179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_plant_dw	SOIL	AK(fi)	11.9	11.8891279246179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_plant_dw	SOIL	AR(ip)	11.9	11.8891279246179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_plant_dw	SOIL	AR(p)	11.9	11.8891279246179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_plant_dw	SOIL	DC(p)	11.9	11.8891279246179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_plant_dw	SOIL	DM(ip)	11.9	11.8891279246179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Butanone[2-]	78-93-3	TF_plant_dw	SOIL	RF(f)	11.9	11.8891279246179	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_flesh_dw	SOIL	AK(f)	0.0195	4.44048362575359E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_flesh_dw	SOIL	AK(fi)	0.0195	4.44048362575359E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_flesh_dw	SOIL	RF(f)	0.0195	4.44048362575359E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Trichloroethene	79-01-6	TF_invert_dw	SEDIMENT	BA(i)	1.74	1.73874282360598	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_invert_dw	SEDIMENT	VGS(i)	1.74	1.73874282360598	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_invert_dw	SOIL	AK(f)	1.74	1.73874282360598	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_invert_dw	SOIL	AK(fi)	1.74	1.73874282360598	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_invert_dw	SOIL	AR(i)	1.74	1.73874282360598	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_invert_dw	SOIL	AR(ip)	1.74	1.73874282360598	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_invert_dw	SOIL	DM(ip)	1.74	1.73874282360598	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_invert_dw	SOIL	RF(f)	1.74	1.73874282360598	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_invert_dw	SOIL	VS(i)	1.74	1.73874282360598	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_plant_dw	SOIL	AK(f)	1.85	1.84777888492636	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_plant_dw	SOIL	AK(fi)	1.85	1.84777888492636	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_plant_dw	SOIL	AR(ip)	1.85	1.84777888492636	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_plant_dw	SOIL	AR(p)	1.85	1.84777888492636	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_plant_dw	SOIL	DC(p)	1.85	1.84777888492636	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_plant_dw	SOIL	DM(ip)	1.85	1.84777888492636	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Trichloroethene	79-01-6	TF_plant_dw	SOIL	RF(f)	1.85	1.84777888492636	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_flesh_dw	SOIL	AK(f)	0.0193	4.07800368234564E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
									for other parameters for details of their changes.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_flesh_dw	SOIL	AK(fi)	0.0193	4.07800368234564E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_flesh_dw	SOIL	RF(f)	0.0193	4.07800368234564E-02	Updated Value	This parameter is a calculated value. Equation:TF_flesh_dw = TF_beef_fw * [I_foodcomposite_fw * MAX(TF_plant_dw * {1 - MC_plant}, TF_invert_dw * {1 - MC_invert}) + I_soilcomposite_dw]/ (1-MC_flesh). Updates to TF_plant_dw, TF_invert_dw, I_foodcomposite_fw and I_soilcomposite_dw required TF_flesh_dw to be recalculated (updated). See specific notes for other parameters for details of their changes.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_invert_dw	SEDIMENT	BA(i)	1.72	1.72280193358185	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_invert_dw	SEDIMENT	VGS(i)	1.72	1.72280193358185	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_invert_dw	SOIL	AK(f)	1.72	1.72280193358185	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_invert_dw	SOIL	AK(fi)	1.72	1.72280193358185	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_invert_dw	SOIL	AR(i)	1.72	1.72280193358185	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_invert_dw	SOIL	AR(ip)	1.72	1.72280193358185	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_invert_dw	SOIL	DM(ip)	1.72	1.72280193358185	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_invert_dw	SOIL	RF(f)	1.72	1.72280193358185	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_invert_dw	SOIL	VS(i)	1.72	1.72280193358185	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

TF changes									
Analyte Group	**Analyte Name**	**Analyte Code**	**Parameter**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_plant_dw	SOIL	AK(f)	1.98	1.98358127545629	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_plant_dw	SOIL	AK(fi)	1.98	1.98358127545629	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_plant_dw	SOIL	AR(ip)	1.98	1.98358127545629	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_plant_dw	SOIL	AR(p)	1.98	1.98358127545629	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_plant_dw	SOIL	DC(p)	1.98	1.98358127545629	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_plant_dw	SOIL	DM(ip)	1.98	1.98358127545629	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.
Volatile Organic Compound	Tetrachloroethane[1,1,2,2-]	79-34-5	TF_plant_dw	SOIL	RF(f)	1.98	1.98358127545629	Updated Value	Previous value now rounded to 3 significant figures for consistency in reporting data.

Receptor Parameter Changes

Parameter	Analyte	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
bw	N/A	N/A	AR(i)	0.0773	0.077	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
bw	N/A	N/A	AR(ip)	0.0773	0.077	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
bw	N/A	N/A	AR(p)	0.0773	0.077	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
bw	N/A	N/A	AR(w)	0.0773	0.077	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
bw	N/A	N/A	BA(i)	0.00875	0.0088	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
bw	N/A	N/A	BA(w)	0.00875	0.0088	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
bw	N/A	N/A	DC(p)	0.9	0.8	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
bw	N/A	N/A	DC(w)	0.9	0.8	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
fs	N/A	N/A	AR(i)	0.104	0.1	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
fs	N/A	N/A	AR(ip)	0.104	0.1	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
fs	N/A	N/A	AR(p)	0.104	0.1	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
fs	N/A	N/A	RF(f)	0.028	0.03	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
fs	N/A	N/A	VS(i)	0.104	0.1	Updated Value	Original data reviewed and now rounded to 3 significant figures for consistency in reporting data.
I_flesh_dw	N/A	N/A	AK(f)	0.0992	0.099	Updated Value	This is a calculated value. I_flesh_dw = I_food_dw * ff. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_flesh_dw	N/A	N/A	AK(fi)	0.0496	0.05	Updated Value	This is a calculated value. I_flesh_dw = I_food_dw * ff. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_flesh_dw	N/A	N/A	RF(f)	0.0448	0.045	Updated Value	This is a calculated value. I_flesh_dw = I_food_dw * ff. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_food_dw	N/A	N/A	AK(f)	0.0992	0.099	Updated Value	Original data/ calculations reviewed and result now rounded to 3 significant figures for consistency in reporting data.
I_food_dw	N/A	N/A	AK(fi)	0.0992	0.099	Updated Value	Original data/ calculations reviewed and result now rounded to 3 significant figures for consistency in reporting data.
I_food_dw	N/A	N/A	BA(i)	0.16	0.159	Updated Value	This is a calculated value. Estimated using allometric scaling formula for all eutherian mammals (0.235*(bw(g)^0.822); Ref ID 0244, Table 3, p. 123) and normalized to body weight and reported in units of kg-dry food/kg bw/d. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to bw (see specific notes for bw for details of this parameter's change).
I_food_dw	N/A	N/A	DC(p)	0.09	0.093	Updated Value	This is a calculated value. Estimated using allometric scaling formula for herbivores (0.577(bw(g)^0.727, Ref ID 0244, Table 3, p. 123) and normalized to body weight and reported in units of kg-dry food/kg bw/d. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to bw (see specific notes for bw for details of this parameter's change).
I_food_dw	N/A	N/A	DM(ip)	0.198	0.2	Updated Value	Original data/ calculations reviewed and result now rounded to 3 significant figures for consistency in reporting data.
I_food_dw	N/A	N/A	RF(f)	0.0448	0.045	Updated Value	Original data/ calculations reviewed and result now rounded to 3 significant figures for consistency in reporting data.
I_invert_dw	N/A	N/A	AK(fi)	0.0496	0.05	Updated Value	This is a calculated value. I_invert_dw = I_food_dw * fi. New value rounded to 3 significant figures for

Receptor Parameter Changes							
Parameter	**Analyte**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
							consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_invert_dw	N/A	N/A	AR(ip)	0.175	0.18	Updated Value	This is a calculated value. I_invert_dw = I_food_dw * fi. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_invert_dw	N/A	N/A	DM(ip)	0.099	0.1	Updated Value	This is a calculated value. I_invert_dw = I_food_dw * fi. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_invert_dw	N/A	N/A	VGS(i)	0.268	0.27	Updated Value	This is a calculated value. I_invert_dw = I_food_dw * fi. Result now rounded to 3 significant figures for consistency in reporting data.
I_invert_dw	N/A	N/A	VS(i)	0.198	0.2	Updated Value	This is a calculated value. I_invert_dw = I_food_dw * fi. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_plant_dw	N/A	N/A	AR(ip)	0.175	0.18	Updated Value	This is a calculated value. I_plant_dw = I_food_dw * fp. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_plant_dw	N/A	N/A	DC(p)	0.09	0.093	Updated Value	This is a calculated value. I_plant_dw = I_food_dw * fp. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_plant_dw	N/A	N/A	DM(ip)	0.099	0.1	Updated Value	This is a calculated value. I_plant_dw = I_food_dw * fp. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_soil_dw	N/A	N/A	AK(f)	0.00198	0.002	Updated Value	This is a calculated value. I_soil_dw = I_food_dw * fs. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_soil_dw	N/A	N/A	AK(fi)	0.00198	0.002	Updated Value	This is a calculated value. I_soil_dw = I_food_dw * fs. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_soil_dw	N/A	N/A	AR(i)	0.0364	0.035	Updated Value	This is a calculated value. I_soil_dw = I_food_dw * fs. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to fs (see specific notes for details of change to this parameter).
I_soil_dw	N/A	N/A	AR(ip)	0.0364	0.035	Updated Value	This is a calculated value. I_soil_dw = I_food_dw * fs. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to fs (see specific notes for details of change to this parameter).
I_soil_dw	N/A	N/A	AR(p)	0.0364	0.035	Updated Value	This is a calculated value. I_soil_dw = I_food_dw * fs. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to fs (see specific notes for details of change to this parameter).
I_soil_dw	N/A	N/A	DC(p)	0.00216	0.0022	Updated Value	This is a calculated value. I_soil_dw = I_food_dw * fs. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of change to this parameter).
I_soil_dw	N/A	N/A	DM(ip)	0.00396	0.004	Updated Value	This is a calculated value. I_soil_dw = I_food_dw * fs. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to I_food_dw (see specific notes for details of

Receptor Parameter Changes

Parameter	Analyte	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
							change to this parameter).
I_soil_dw	N/A	N/A	RF(f)	0.00125	0.0014	Updated Value	This is a calculated value. I_soil_dw = I_food_dw * fs. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to fs and I_food_dw (see specific notes for details of changes to these parameters).
I_soil_dw	N/A	N/A	VS(i)	0.0206	0.02	Updated Value	This is a calculated value. I_soil_dw = I_food_dw * fs. New value rounded to 3 significant figures for consistency in reporting data. This recalculation was required due to updates to fs (see specific notes for details of change to this parameter).
I_flesh_fw	N/A	N/A	AK(f)	0.31	N/A	New Value	Converted the daily intake rate of flesh from a dry weight to fresh weight intake by dividing by (1 - the moisture content of flesh), where moisture content of flesh is assumed to be 68% (mammals - mice, voles, rabbits (Ref ID 0561,Table 4-1, p. 4-13)). Equation: I_flesh_fw = [I_flesh_dw/(1-MC_flesh)]. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for flesh intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_flesh_fw	N/A	N/A	AK(fi)	0.155	N/A	New Value	Converted the daily intake rate of flesh from a dry weight to fresh weight intake by dividing by (1 - the moisture content of flesh), where moisture content of flesh is assumed to be 68% (mammals - mice, voles, rabbits (Ref ID 0561,Table 4-1, p. 4-13)). Equation: I_flesh_fw = [I_flesh_dw/(1-MC_flesh)]. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for flesh intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_flesh_fw	N/A	N/A	RF(f)	0.14	N/A	New Value	Converted the daily intake rate of flesh from a dry weight to fresh weight intake by dividing by (1 - the moisture content of flesh), where moisture content of flesh is assumed to be 68% (mammals - mice, voles, rabbits (Ref ID 0561,Table 4-1, p. 4-13)). Equation: I_flesh_fw = [I_flesh_dw/(1-MC_flesh)]. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for flesh intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_food_fw	N/A	N/A	AK(f)	0.31	N/A	New Value	Calculated value. I_food_fw (g fresh food/ g bw/d) is equal to the sum of the individual fresh weight diet component intake rates for the receptor (I.e., I_flesh_fw, I_invert_fw and I_plant_fw). Value rounded to 3 significant figures for consistency in reporting of data. This new parameter was required in order for food intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_food_fw	N/A	N/A	AK(fi)	0.282	N/A	New Value	Calculated value. I_food_fw (g fresh food/ g bw/d) is equal to the sum of the individual fresh weight diet component intake rates for the receptor (I.e., I_flesh_fw, I_invert_fw and I_plant_fw). Value rounded to 3 significant figures for consistency in reporting of data. This new parameter was required in order for food intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_food_fw	N/A	N/A	AR(i)	0.897	N/A	New Value	Calculated value. I_food_fw (g fresh food/ g bw/d) is equal to the sum of the individual fresh weight diet component intake rates for the receptor (I.e., I_flesh_fw, I_invert_fw and I_plant_fw). Value rounded to 3 significant figures for consistency in reporting of data. This new parameter was required in order for food intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_food_fw	N/A	N/A	AR(ip)	1.62	N/A	New Value	Calculated value. I_food_fw (g fresh food/ g bw/d) is equal to the sum of the individual fresh weight diet component intake rates for the receptor (I.e., I_flesh_fw, I_invert_fw and I_plant_fw). Value rounded to 3 significant figures for consistency in reporting of data. This new parameter was required in order for food intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_food_fw	N/A	N/A	AR(p)	2.33	N/A	New Value	Calculated value. I_food_fw (g fresh food/ g bw/d) is equal to the sum of the individual fresh weight diet component intake rates for the receptor (I.e., I_flesh_fw, I_invert_fw and I_plant_fw). Value rounded to 3 significant figures for consistency in reporting of data. This new parameter was required in order for food intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_food_fw	N/A	N/A	BA(i)	0.41	N/A	New Value	Calculated value. I_food_fw (g fresh food/ g bw/d) is equal to the sum of the individual fresh weight diet

Receptor Parameter Changes							
Parameter	**Analyte**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
							component intake rates for the receptor (I.e., I_flesh_fw, I_invert_fw and I_plant_fw). Value rounded to 3 significant figures for consistency in reporting of data. This new parameter was required in order for food intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_food_fw	N/A	N/A	DC(p)	0.6	N/A	New Value	Calculated value. I_food_fw (g fresh food/ g bw/d) is equal to the sum of the individual fresh weight diet component intake rates for the receptor (I.e., I_flesh_fw, I_invert_fw and I_plant_fw). Value rounded to 3 significant figures for consistency in reporting of data. This new parameter was required in order for food intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_food_fw	N/A	N/A	DM(ip)	0.914	N/A	New Value	Calculated value. I_food_fw (g fresh food/ g bw/d) is equal to the sum of the individual fresh weight diet component intake rates for the receptor (I.e., I_flesh_fw, I_invert_fw and I_plant_fw). Value rounded to 3 significant figures for consistency in reporting of data. This new parameter was required in order for food intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_food_fw	N/A	N/A	RF(f)	0.14	N/A	New Value	Calculated value. I_food_fw (g fresh food/ g bw/d) is equal to the sum of the individual fresh weight diet component intake rates for the receptor (I.e., I_flesh_fw, I_invert_fw and I_plant_fw). Value rounded to 3 significant figures for consistency in reporting of data. This new parameter was required in order for food intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_food_fw	N/A	N/A	VGS(i)	0.687	N/A	New Value	Calculated value. I_food_fw (g fresh food/ g bw/d) is equal to the sum of the individual fresh weight diet component intake rates for the receptor (I.e., I_flesh_fw, I_invert_fw and I_plant_fw). Value rounded to 3 significant figures for consistency in reporting of data. This new parameter was required in order for food intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_food_fw	N/A	N/A	VS(i)	0.508	N/A	New Value	Calculated value. I_food_fw (g fresh food/ g bw/d) is equal to the sum of the individual fresh weight diet component intake rates for the receptor (I.e., I_flesh_fw, I_invert_fw and I_plant_fw). Value rounded to 3 significant figures for consistency in reporting of data. This new parameter was required in order for food intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_invert_fw	N/A	N/A	AK(fi)	0.127	N/A	New Value	Converted the daily intake rate of invertebrate matter from a dry weight to fresh weight intake by dividing by (1 - the moisture content of invertebrate matter), where moisture content of invertebrate matter is assumed to be 61% (beetles (Ref ID 0561, Table 4-1, p. 4-13)). Equation: I_invert_fw = [I_invert_dw/(1-MC_invert)], Ref ID 0711. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for invertebrate intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_invert_fw	N/A	N/A	AR(i)	0.897	N/A	New Value	Converted the daily intake rate of invertebrate matter from a dry weight to fresh weight intake by dividing by (1 - the moisture content of invertebrate matter), where moisture content of invertebrate matter is assumed to be 61% (beetles (Ref ID 0561, Table 4-1, p. 4-13)). Equation: I_invert_fw = [I_invert_dw/(1-MC_invert)], Ref ID 0711. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for invertebrate intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_invert_fw	N/A	N/A	AR(ip)	0.449	N/A	New Value	Converted the daily intake rate of invertebrate matter from a dry weight to fresh weight intake by dividing by (1 - the moisture content of invertebrate matter), where moisture content of invertebrate matter is assumed to be 61% (beetles (Ref ID 0561, Table 4-1, p. 4-13)). Equation: I_invert_fw = [I_invert_dw/(1-MC_invert)], Ref ID 0711. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for invertebrate intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_invert_fw	N/A	N/A	BA(i)	0.41	N/A	New Value	Converted the daily intake rate of invertebrate matter from a dry weight to fresh weight intake by dividing by (1 - the moisture content of invertebrate matter), where moisture content of invertebrate matter is assumed to be 61% (beetles (Ref ID 0561, Table 4-1, p. 4-13)). Equation: I_invert_fw = [I_invert_dw/(1-MC_invert)], Ref ID 0711. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for invertebrate intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_invert_fw	N/A	N/A	DM(ip)	0.254	N/A	New Value	Converted the daily intake rate of invertebrate matter from a dry weight to fresh weight intake by dividing by (1 -

Receptor Parameter Changes

Parameter	Analyte	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
							the moisture content of invertebrate matter), where moisture content of invertebrate matter is assumed to be 61% (beetles (Ref ID 0561, Table 4-1, p. 4-13)). Equation: I_invert_fw = [I_invert_dw/(1-MC_invert)], Ref ID 0711. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for invertebrate intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_invert_fw	N/A	N/A	VGS(i)	0.687	N/A	New Value	Converted the daily intake rate of invertebrate matter from a dry weight to fresh weight intake by dividing by (1 - the moisture content of invertebrate matter), where moisture content of invertebrate matter is assumed to be 61% (beetles (Ref ID 0561, Table 4-1, p. 4-13)). Equation: I_invert_fw = [I_invert_dw/(1-MC_invert)], Ref ID 0711. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for invertebrate intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_invert_fw	N/A	N/A	VS(i)	0.508	N/A	New Value	Converted the daily intake rate of invertebrate matter from a dry weight to fresh weight intake by dividing by (1 - the moisture content of invertebrate matter), where moisture content of invertebrate matter is assumed to be 61% (beetles (Ref ID 0561, Table 4-1, p. 4-13)). Equation: I_invert_fw = [I_invert_dw/(1-MC_invert)], Ref ID 0711. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for invertebrate intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_plant_fw	N/A	N/A	AR(ip)	1.17	N/A	New Value	Converted the daily intake rate of plant matter from a dry weight to fresh weight intake by dividing by (1 - the moisture content of plant matter), where moisture content of plant matter is assumed to be 85% (believes (Ref ID 0561, Table 4-2, p.4-14)). Equation: I_plant_fw = [I_plant_dw/(1-MC_plant)]. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for plant matter intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_plant_fw	N/A	N/A	AR(p)	2.33	N/A	New Value	Converted the daily intake rate of plant matter from a dry weight to fresh weight intake by dividing by (1 - the moisture content of plant matter), where moisture content of plant matter is assumed to be 85% (believes (Ref ID 0561, Table 4-2, p.4-14)). Equation: I_plant_fw = [I_plant_dw/(1-MC_plant)]. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for plant matter intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_plant_fw	N/A	N/A	DC(p)	0.6	N/A	New Value	Converted the daily intake rate of plant matter from a dry weight to fresh weight intake by dividing by (1 - the moisture content of plant matter), where moisture content of plant matter is assumed to be 85% (believes (Ref ID 0561, Table 4-2, p.4-14)). Equation: I_plant_fw = [I_plant_dw/(1-MC_plant)]. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for plant matter intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.
I_plant_fw	N/A	N/A	DM(ip)	0.66	N/A	New Value	Converted the daily intake rate of plant matter from a dry weight to fresh weight intake by dividing by (1 - the moisture content of plant matter), where moisture content of plant matter is assumed to be 85% (believes (Ref ID 0561, Table 4-2, p.4-14)). Equation: I_plant_fw = [I_plant_dw/(1-MC_plant)]. Value rounded to 3 significant figures for consistency in reporting of data. This conversion was required in order for plant matter intake units to agree with the fresh weight based DCF_int_fw used in radionuclide ESL models.

ESL Model Equation Changes

Parameter	Analyte	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
ESL Model Equation	N/A	SEDIMENT	BA(i)	ESL = (TRV)/ (I_food_dw * (fi * TF_invert_dw))	ESL = (TRV)/ (I(food) * TF(invert))	Updated Equation	The parameter fi was added into the equation to more clearly document the ESL model (fi = 1 in this model and had previously omitted). The parentheses were reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	SEDIMENT	VGS(i)	ESL = (TRV)/ (I_food_dw * (fi * TF_invert_dw))	ESL = (TRV)/ (I(food) * TF(invert))	Updated Equation	The parameter fi was added into the equation to more clearly document the ESL model (fi = 1 in this model and had previously omitted). The parentheses were reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	SOIL	AK(f)	ESL = (TRV)/ (I_food_dw * (fs + (ff * TF_flesh_dw)))	ESL = (TRV)/ (I(food) * (fs + TF(flesh)))	Updated Equation	The parameter ff was added into the equation to more clearly document the ESL model (ff = 1 in this model and had previously omitted). The parentheses were reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	SOIL	AK(fi)	ESL = (TRV)/ (I_food_dw * (fs + ((ff * TF_flesh_dw) + (fi * TF_invert_dw))))	ESL = (TRV)/ (I(food) * (fs + ff * TF(flesh) + fi * TF(invert))	Updated Equation	The parentheses were reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	SOIL	AR(i)	ESL = TRV/(I_food_dw * (fs + (fi * TF_invert_dw)))	ESL = (TRV)/ (I(food) * (fs + TF(invert)))	Updated Equation	The parameter fi was added into the equation to more clearly document the ESL model (fi = 1 in this model and had previously omitted). The parentheses were reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	SOIL	AR(ip)	ESL = TRV/(I_food_dw * (fs + (fi * TF_invert_dw) + (fp * TF_plant_dw)))	ESL = (TRV)/ (I(food) * (fs + fi * TF(invert) + fp * TF(plant))	Updated Equation	The parentheses were reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	SOIL	AR(p)	ESL = TRV/(I_food_dw * (fs + (fp * TF_plant_dw)))	ESL = (TRV)/ (I(food) * (fs + TF(plant)))	Updated Equation	The parameter fp was added into the equation to more clearly document the ESL model (fp = 1 in this model and had previously omitted). The parentheses were reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	SOIL	DC(p)	ESL = TRV/(I_food_dw * (fs + (fp * TF_plant_dw)))	ESL = (TRV)/ (I(food) * (fs + TF(plant)))	Updated Equation	The parameter fp was added into the equation to more clearly document the ESL model (fp = 1 in this model and had previously omitted). The parentheses were reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	SOIL	DM(ip)	ESL = TRV/(I_food_dw * (fs + (fi * TF_invert_dw) + (fp * TF_plant_dw)))	ESL = (TRV)/ (I(food) * (fs + fi * TF(invert) + fp * TF(plant))	Updated Equation	The parentheses were reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model	N/A	SOIL	RF(f)	ESL = (TRV)/	ESL = (TRV)/	Updated	The parameter ff was added into the equation to more clearly document the ESL model

ESL Model Equation Changes							
Parameter	**Analyte**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
Equation				(I_food_dw * (fs + (ff * TF_flesh_dw)))	(I(food) * (fs + TF(flesh)))	Equation	(ff = 1 in this model and had previously omitted). The parentheses were reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	SOIL	VS(i)	ESL = TRV/(I_food_dw * (fs + (fi * TF_invert_dw)))	ESL = (TRV)/ (I(food) * (fs + TF(invert)))	Updated Equation	The parameter fi was added into the equation to more clearly document the ESL model (fi = 1 in this model and had previously omitted). The parentheses were reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	WATER	AK(w)	ESL = (1000 µg/mg * TRV)/ I_water	ESL = (corr factor nonradwater * TRV)/ (I(water)NR	Updated Equation	Equation revised to incorporate units conversion into the equation instead of using a separate parameter(s) to do so. Specifically, parameter "corr factor nonradwater" was replaced by "1000 µg/mg" to convert TRV units of mg/kg bw/d to µg/kg bw/d and parameter "I(water)NR" was replaced with "I_water" as a separate water ingestion rate for non-radionuclides was no longer needed. The parentheses were also reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	WATER	AR(w)	ESL = (1000 µg/mg * TRV)/ I_water	ESL = (corr factor nonradwater * TRV)/ (I(water)NR	Updated Equation	Equation revised to incorporate units conversion into the equation instead of using a separate parameter(s) to do so. Specifically, parameter "corr factor nonradwater" was replaced by "1000 µg/mg" to convert TRV units of mg/kg bw/d to µg/kg bw/d and parameter "I(water)NR" was replaced with "I_water" as a separate water ingestion rate for non-radionuclides was no longer needed. The parentheses were also reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	WATER	BA(w)	ESL = (1000 µg/mg * TRV)/ I_water	ESL = (corr factor nonradwater * TRV)/ (I(water)NR	Updated Equation	Equation revised to incorporate units conversion into the equation instead of using a separate parameter(s) to do so. Specifically, parameter "corr factor nonradwater" was replaced by "1000 µg/mg" to convert TRV units of mg/kg bw/d to µg/kg bw/d and parameter "I(water)NR" was replaced with "I_water" as a separate water ingestion rate for non-radionuclides was no longer needed. The parentheses were also reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	WATER	DC(w)	ESL = (1000 µg/mg * TRV)/ I_water	ESL = (corr factor nonradwater * TRV)/ (I(water)NR	Updated Equation	Equation revised to incorporate units conversion into the equation instead of using a separate parameter(s) to do so. Specifically, parameter "corr factor nonradwater" was replaced by "1000 µg/mg" to convert TRV units of mg/kg bw/d to µg/kg bw/d and parameter "I(water)NR" was replaced with "I_water" as a separate water ingestion rate for non-radionuclides was no longer needed. The parentheses were also reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	WATER	DM(w)	ESL = (1000 µg/mg * TRV)/ I_water	ESL = (corr factor nonradwater * TRV)/ (I(water)NR	Updated Equation	Equation revised to incorporate units conversion into the equation instead of using a separate parameter(s) to do so. Specifically, parameter "corr factor nonradwater" was replaced by "1000 µg/mg" to convert TRV units of mg/kg bw/d to µg/kg bw/d and parameter "I(water)NR" was replaced with "I_water" as a separate water ingestion rate

ESL Model Equation Changes							
Parameter	**Analyte**	**Medium**	**Receptor**	**NewData**	**PreviousData**	**TypeOfChange**	**DescriptionOfChange**
							for non-radionuclides was no longer needed. The parentheses were also reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	WATER	RF(w)	ESL = (1000 µg/mg * TRV)/ I_water	ESL = (corr factor nonradwater * TRV)/ (I(water)NR	Updated Equation	Equation revised to incorporate units conversion into the equation instead of using a separate parameter(s) to do so. Specifically, parameter "corr factor nonradwater" was replaced by "1000 µg/mg" to convert TRV units of mg/kg bw/d to µg/kg bw/d and parameter "I(water)NR" was replaced with "I_water" as a separate water ingestion rate for non-radionuclides was no longer needed. The parentheses were also reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	WATER	VGS(w)	ESL = (1000 µg/mg * TRV)/ I_water	ESL = (corr factor nonradwater * TRV)/ (I(water)NR	Updated Equation	Equation revised to incorporate units conversion into the equation instead of using a separate parameter(s) to do so. Specifically, parameter "corr factor nonradwater" was replaced by "1000 µg/mg" to convert TRV units of mg/kg bw/d to µg/kg bw/d and parameter "I(water)NR" was replaced with "I_water" as a separate water ingestion rate for non-radionuclides was no longer needed. The parentheses were also reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).
ESL Model Equation	N/A	WATER	VS(w)	ESL = (1000 µg/mg * TRV)/ I_water	ESL = (corr factor nonradwater * TRV)/ (I(water)NR	Updated Equation	Equation revised to incorporate units conversion into the equation instead of using a separate parameter(s) to do so. Specifically, parameter "corr factor nonradwater" was replaced by "1000 µg/mg" to convert TRV units of mg/kg bw/d to µg/kg bw/d and parameter "I(water)NR" was replaced with "I_water" as a separate water ingestion rate for non-radionuclides was no longer needed. The parentheses were also reorganized within the equation to better delineate the order of operations within the equation. Also, the labeling format for all parameters was changed from using a "( )" as a separator to using "_ _" (see specific notes for previous label for details of change).

Release 1.5 (September 2002)

- **New ESLs**

ESL Medium	Analyte Code	Analyte Name	ESL Receptor	New Value	Previous Value	Units	Status	Reason
SEDIMENT	118-96-7	Trinitrotoluene[2,4,6-]	VGS(i)	23		mg/kg	New Value	Based on new PTSE derived TRV.
SOIL	118-96-7	Trinitrotoluene[2,4,6-]	AK(f)	2600		mg/kg	New Value	Based on new PTSE derived TRV.
SOIL	118-96-7	Trinitrotoluene[2,4,6-]	AK(fi)	120		mg/kg	New Value	Based on new PTSE derived TRV.
SOIL	118-96-7	Trinitrotoluene[2,4,6-]	AR(i)	17		mg/kg	New Value	Based on new PTSE derived TRV.
SOIL	118-96-7	Trinitrotoluene[2,4,6-]	AR(ip)	8.3		mg/kg	New Value	Based on new PTSE derived TRV.
SOIL	118-96-7	Trinitrotoluene[2,4,6-]	AR(p)	5.5		mg/kg	New Value	Based on new PTSE derived TRV.
SOIL	127-18-4	Tetrachloroethene	GP	10		mg/kg	New Value	Based on new PTSE derived TRV.
WATER	118-96-7	Trinitrotoluene[2,4,6-]	AK(w)	81000		µg/L	New Value	Based on new PTSE derived TRV.
WATER	118-96-7	Trinitrotoluene[2,4,6-]	AR(w)	69000		µg/L	New Value	Based on new PTSE derived TRV.
WATER	118-96-7	Trinitrotoluene[2,4,6-]	VGS(w)	40000		µg/L	New Value	Based on new PTSE derived TRV.

- **Updated ESLs**

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status	Reason
SEDIMENT	Acetone	67-64-1	VGS(i)	600	60000	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Antimony	SB	BA(i)	0.021	0.78	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SEDIMENT	Barium	BA	BA(i)	3.4	3.3	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Boron	B	VGS(i)	200	170	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Cadmium	CD	BA(i)	0.006	1	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SEDIMENT	Cadmium	CD	VGS(i)	0.01	0.94	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SEDIMENT	Copper	CU	BA(i)	920	300	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SEDIMENT	Copper	CU	VGS(i)	46	730	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SEDIMENT	Dichlorobenzene[1,4-]	106-46-7	BA(i)	8.2	820	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Dichloroethane[1,2-]	107-06-2	VGS(i)	11000	22000	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Dinitrobenzene[1,3-]	99-65-0	BA(i)	0.46	0.45	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Dinitrobenzene[1,3-]	99-65-0	VGS(i)	1	0.001	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Endrin	72-20-8	AQ(s)	0.02	0.01	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Lead	PB	VGS(i)	320	110	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Mercury (inorganic)	HGI	BA(i)	36	340	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SEDIMENT	Mercury (inorganic)	HGI	VGS(i)	1.1	6.9	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SEDIMENT	Methoxychlor[4,4'-]	72-43-5	VGS(i)	42	32	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SEDIMENT	Naphthalene	91-20-3	BA(i)	1.6	160	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Naphthalene	91-20-3	VGS(i)	0.027	0.27	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Nickel	NI	BA(i)	3.5	2000	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SEDIMENT	Nickel	NI	VGS(i)	870	2400	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status	Reason
SEDIMENT	Silver	AG	BA(i)	110	0.12	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Tetrachloroethene	127-18-4	BA(i)	7.2	5	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SEDIMENT	Thallium	TL	BA(i)	0.044	0.44	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SEDIMENT	Trichloroethene	79-01-6	BA(i)	350	2.5	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SEDIMENT	Xylene (Total)	1330-20-7	VGS(i)	210	1.5	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SEDIMENT	Zinc	ZN	BA(i)	0.25	290	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Acetone	67-64-1	AK(f)	56000	5600000	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Acetone	67-64-1	AK(fi)	3100	310000	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Acetone	67-64-1	AR(i)	420	42000	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Acetone	67-64-1	AR(ip)	42	4200	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Acetone	67-64-1	AR(p)	22	2200	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Antimony	SB	DC(p)	0.17	6.2	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Antimony	SB	DM(ip)	0.028	1	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Antimony	SB	RF(f)	2.7	97	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Antimony	SB	VS(i)	0.016	0.57	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Barium	BA	DC(p)	35	34	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Barium	BA	DM(ip)	4.6	4.5	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Barium	BA	RF(f)	430	420	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Barium	BA	VS(i)	2.5	2.4	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Boron	B	AK(f)	26000	22000	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Boron	B	AK(fi)	1000	900	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Boron	B	AR(i)	130	120	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Boron	B	AR(ip)	59	51	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Boron	B	AR(p)	37	32	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Cadmium	CD	AK(f)	6.9	660	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Cadmium	CD	AK(fi)	0.053	5	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Cadmium	CD	AR(i)	0.0075	0.71	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Cadmium	CD	AR(ip)	0.013	1.3	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Cadmium	CD	AR(p)	0.093	8.8	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Cadmium	CD	DC(p)	0.15	28	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Cadmium	CD	DM(ip)	0.0091	1.6	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Cadmium	CD	EW	10	0.1	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Cadmium	CD	RF(f)	4	740	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Cadmium	CD	VS(i)	0.0047	0.87	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Copper	CU	AK(f)	1400	22000	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Copper	CU	AK(fi)	210	3300	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Copper	CU	AR(i)	25	390	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status	Reason
SOIL	Copper	CU	AR(ip)	20	310	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Copper	CU	AR(p)	17	260	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Copper	CU	DC(p)	930	300	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Copper	CU	DM(ip)	530	170	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Copper	CU	RF(f)	27000	8900	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Copper	CU	VS(i)	520	170	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Dichlorobenzene[1,4-]	106-46-7	DC(p)	27	2700	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dichlorobenzene[1,4-]	106-46-7	DM(ip)	8.6	860	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dichlorobenzene[1,4-]	106-46-7	RF(f)	430	43000	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dichlorobenzene[1,4-]	106-46-7	VS(i)	6.3	630	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dichloroethane[1,2-]	107-06-2	AK(f)	1200	2400	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dichloroethane[1,2-]	107-06-2	AK(fi)	1500	3100	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dichloroethane[1,2-]	107-06-2	AR(i)	120	250	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dichloroethane[1,2-]	107-06-2	AR(ip)	4.5	9.2	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dichloroethane[1,2-]	107-06-2	AR(p)	2.3	4.6	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dichloroethene[cis/trans-1,2-]	540-59-0	DM(ip)	82	81	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dinitrobenzene[1,3-]	99-65-0	AK(f)	110	0.11	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dinitrobenzene[1,3-]	99-65-0	AK(fi)	5.4	0.0054	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dinitrobenzene[1,3-]	99-65-0	AR(i)	0.74	0.00074	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dinitrobenzene[1,3-]	99-65-0	AR(ip)	0.33	0.00033	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dinitrobenzene[1,3-]	99-65-0	AR(p)	0.21	0.00021	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dinitrobenzene[1,3-]	99-65-0	DM(ip)	0.16	0.15	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dinitrobenzene[1,3-]	99-65-0	RF(f)	55	53	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Dinitrobenzene[1,3-]	99-65-0	VS(i)	0.35	0.34	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Fluoride	F(-1)	RF(f)	4600	4700	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Lead	PB	AK(f)	7800	2700	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Lead	PB	AK(fi)	1400	500	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Lead	PB	AR(i)	150	55	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Lead	PB	AR(ip)	200	72	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Lead	PB	AR(p)	300	100	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Lead	PB	GP	520	450	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Manganese	MN	AK(f)	290000	280000	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Manganese	MN	AR(i)	3900	3800	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Mercury (inorganic)	HGI	AK(f)	12	73	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Mercury (inorganic)	HGI	AK(fi)	4.6	28	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Mercury (inorganic)	HGI	AR(i)	0.61	3.7	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Mercury (inorganic)	HGI	AR(ip)	0.87	5.2	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status	Reason
SOIL	Mercury (inorganic)	HGI	AR(p)	1.4	9	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Mercury (inorganic)	HGI	DC(p)	250	2300	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Mercury (inorganic)	HGI	DM(ip)	44	410	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Mercury (inorganic)	HGI	RF(f)	450	4200	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Mercury (inorganic)	HGI	VS(i)	20	190	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Methoxychlor[4,4'-]	72-43-5	AK(f)	420	330	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Methoxychlor[4,4'-]	72-43-5	AK(fi)	170	130	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Methoxychlor[4,4'-]	72-43-5	AR(i)	30	23	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Methoxychlor[4,4'-]	72-43-5	AR(ip)	54	42	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Methoxychlor[4,4'-]	72-43-5	AR(p)	220	170	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Naphthalene	91-20-3	AK(f)	1.2	12	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Naphthalene	91-20-3	AK(fi)	0.13	1.3	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Naphthalene	91-20-3	AR(i)	0.02	0.2	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Naphthalene	91-20-3	AR(ip)	0.025	0.25	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Naphthalene	91-20-3	AR(p)	0.034	0.34	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Naphthalene	91-20-3	DC(p)	5.2	520	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Naphthalene	91-20-3	DM(ip)	1.7	170	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Naphthalene	91-20-3	RF(f)	91	9100	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Naphthalene	91-20-3	VS(i)	1.2	120	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Nickel	NI	AK(f)	13000	38000	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Nickel	NI	AK(fi)	3500	9700	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Nickel	NI	AR(i)	350	980	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Nickel	NI	AR(ip)	440	1200	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Nickel	NI	AR(p)	580	1600	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Nickel	NI	DC(p)	13	7900	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Nickel	NI	DM(ip)	3.6	2100	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Nickel	NI	RF(f)	53	31000	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Nickel	NI	VS(i)	1.5	900	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Silver	AG	DC(p)	490	0.52	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Silver	AG	DM(ip)	130	0.14	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Silver	AG	RF(f)	14000	14	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Silver	AG	VS(i)	86	0.091	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Tetrachloroethene	127-18-4	DC(p)	11	8	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Tetrachloroethene	127-18-4	DM(ip)	5.4	3.8	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Tetrachloroethene	127-18-4	RF(f)	940	660	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Tetrachloroethene	127-18-4	VS(i)	5.5	3.8	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Thallium	TL	DC(p)	2.8	28	mg/kg	Updated Value	Updated TRV. See TRV updates for details.

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status	Reason
SOIL	Thallium	TL	DM(ip)	0.068	0.68	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Thallium	TL	RF(f)	2.8	28	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Thallium	TL	VS(i)	0.032	0.32	mg/kg	Updated Value	Updated TRV. See TRV updates for details.
SOIL	Trichloroethene	79-01-6	DC(p)	590	4.1	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Trichloroethene	79-01-6	DM(ip)	270	1.9	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Trichloroethene	79-01-6	RF(f)	46000	320	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Trichloroethene	79-01-6	VS(i)	270	1.9	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Xylene (Total)	1330-20-7	AK(f)	10000	78	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Xylene (Total)	1330-20-7	AK(fi)	1000	7.9	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Xylene (Total)	1330-20-7	AR(i)	150	1.1	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Xylene (Total)	1330-20-7	AR(ip)	180	1.3	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Xylene (Total)	1330-20-7	AR(p)	230	1.7	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Zinc	ZN	DC(p)	1	1100	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Zinc	ZN	DM(ip)	0.28	320	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Zinc	ZN	RF(f)	12	14000	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
SOIL	Zinc	ZN	VS(i)	0.19	230	mg/kg	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Acetone	67-64-1	AK(w)	1600000	160000000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Acetone	67-64-1	AR(w)	1400000	140000000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Acetone	67-64-1	VGS(w)	830000	83000000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Antimony	SB	BA(w)	22	780	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Antimony	SB	DC(w)	36	1200	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Antimony	SB	DM(w)	18	650	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Antimony	SB	RF(w)	40	1400	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Antimony	SB	VS(w)	15	560	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Barium	BA	BA(w)	3400	3300	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Barium	BA	DC(w)	5600	5500	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Barium	BA	RF(w)	6300	6200	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Boron	B	AK(w)	440000	380000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Boron	B	AR(w)	380000	330000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Boron	B	VGS(w)	220000	190000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Cadmium	CD	AK(w)	120	12000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Cadmium	CD	AR(w)	100	10000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Cadmium	CD	BA(w)	34	6200	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Cadmium	CD	DC(w)	56	10000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Cadmium	CD	DM(w)	28	5200	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Cadmium	CD	RF(w)	63	11000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Cadmium	CD	VGS(w)	63	5900	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status	Reason
WATER	Cadmium	CD	VS(w)	24	4400	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Copper	CU	AK(w)	25000	390000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Copper	CU	AR(w)	21000	330000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Copper	CU	BA(w)	220000	73000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Copper	CU	DC(w)	360000	120000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Copper	CU	DM(w)	180000	61000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Copper	CU	RF(w)	410000	130000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Copper	CU	VGS(w)	12000	190000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Copper	CU	VS(w)	160000	52000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Dichlorobenzene[1,4-]	106-46-7	BA(w)	15000	1500000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dichlorobenzene[1,4-]	106-46-7	DC(w)	25000	2500000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dichlorobenzene[1,4-]	106-46-7	DM(w)	13000	1300000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dichlorobenzene[1,4-]	106-46-7	RF(w)	29000	2900000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dichlorobenzene[1,4-]	106-46-7	VS(w)	11000	1100000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dichloroethane[1,2-]	107-06-2	AK(w)	38000	77000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dichloroethane[1,2-]	107-06-2	AR(w)	32000	66000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dichloroethane[1,2-]	107-06-2	VGS(w)	19000	38000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dinitrobenzene[1,3-]	99-65-0	AK(w)	3500	3.5	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dinitrobenzene[1,3-]	99-65-0	AR(w)	3000	3	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dinitrobenzene[1,3-]	99-65-0	BA(w)	710	690	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dinitrobenzene[1,3-]	99-65-0	DM(w)	590	570	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dinitrobenzene[1,3-]	99-65-0	RF(w)	1300	1200	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dinitrobenzene[1,3-]	99-65-0	VGS(w)	1700	1.7	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Dinitrobenzene[1,3-]	99-65-0	VS(w)	500	490	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Fluoride	F(-1)	RF(w)	300000	310000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Fluoride	F(-1)	VS(w)	110000	120000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Lead	PB	AK(w)	130000	45000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Lead	PB	AR(w)	110000	39000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Lead	PB	VGS(w)	64000	22000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Manganese	MN	AK(w)	4800000	4700000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Manganese	MN	VGS(w)	2400000	2300000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Mercury (inorganic)	HGI	AK(w)	610	3700	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Mercury (inorganic)	HGI	AR(w)	520	3200	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Mercury (inorganic)	HGI	BA(w)	8800	83000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Mercury (inorganic)	HGI	DC(w)	14000	130000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Mercury (inorganic)	HGI	DM(w)	7400	69000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Mercury (inorganic)	HGI	RF(w)	16000	150000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status	Reason
WATER	Mercury (inorganic)	HGI	VGS(w)	300	1800	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Mercury (inorganic)	HGI	VS(w)	6300	59000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Methoxychlor[4,4'-]	72-43-5	AK(w)	210000	160000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Methoxychlor[4,4'-]	72-43-5	AR(w)	180000	140000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Methoxychlor[4,4'-]	72-43-5	VGS(w)	100000	82000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Naphthalene	91-20-3	AK(w)	110	1100	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Naphthalene	91-20-3	AR(w)	99	990	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Naphthalene	91-20-3	BA(w)	3100	310000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Naphthalene	91-20-3	DC(w)	5100	510000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Naphthalene	91-20-3	DM(w)	2600	260000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Naphthalene	91-20-3	RF(w)	5800	580000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Naphthalene	91-20-3	VGS(w)	57	570	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Naphthalene	91-20-3	VS(w)	2200	220000	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Nickel	NI	AK(w)	230000	640000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Nickel	NI	AR(w)	200000	550000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Nickel	NI	BA(w)	430	250000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Nickel	NI	DC(w)	710	410000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Nickel	NI	DM(w)	360	210000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Nickel	NI	RF(w)	800	460000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Nickel	NI	VGS(w)	110000	310000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Nickel	NI	VS(w)	300	170000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Silver	AG	BA(w)	110000	120	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Silver	AG	DC(w)	190000	200	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Silver	AG	DM(w)	100000	100	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Silver	AG	RF(w)	220000	230	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Silver	AG	VS(w)	85000	89	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Tetrachloroethene	127-18-4	BA(w)	12000	8800	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Tetrachloroethene	127-18-4	DC(w)	20000	14000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Tetrachloroethene	127-18-4	DM(w)	10000	7300	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Tetrachloroethene	127-18-4	RF(w)	23000	16000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Tetrachloroethene	127-18-4	VS(w)	8900	6200	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Thallium	TL	BA(w)	44	440	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Thallium	TL	DC(w)	73	730	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Thallium	TL	DM(w)	37	370	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Thallium	TL	RF(w)	82	820	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Thallium	TL	VS(w)	31	310	µg/L	Updated Value	Updated TRV. See TRV updates for details.
WATER	Trichloroethene	79-01-6	BA(w)	620000	4400	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.

ESL Medium	Analyte Name	Analyte Code	ESL Receptor	New Value	Previous Value	Units	Status	Reason
WATER	Trichloroethene	79-01-6	DC(w)	1000000	7200	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Trichloroethene	79-01-6	DM(w)	520000	3600	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Trichloroethene	79-01-6	RF(w)	1100000	8100	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Trichloroethene	79-01-6	VS(w)	440000	3100	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Xylene (Total)	1330-20-7	AK(w)	880000	6400	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Xylene (Total)	1330-20-7	AR(w)	760000	5500	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Xylene (Total)	1330-20-7	VGS(w)	440000	3200	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Zinc	ZN	BA(w)	860	1000000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Zinc	ZN	DC(w)	1400	1600000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Zinc	ZN	DM(w)	720	840000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Zinc	ZN	RF(w)	1500	1800000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.
WATER	Zinc	ZN	VS(w)	610	710000	µg/L	Updated Value	Based on a new PTSE derived TRV. See new TRVs for details.

- **Final ESL Updates**

ESL Medium	Analyte Code	FdESLTbSlc	New Receptor(s)	New Value	Previous Receptor(s)	Previous Value	Units	Status
SEDIMENT	107-06-2	FINAL	VGS(i)	11000	VGS(i)	22000	mg/kg	Updated Value
SEDIMENT	118-96-7	FINAL	VGS(i)	23	BA(i)	140	mg/kg	Updated Value
SEDIMENT	72-20-8	FINAL	VGS(i)	0.016	AQ(s)	0.01	mg/kg	Updated Value
SEDIMENT	91-20-3	FINAL	VGS(i)	0.027	VGS(i)	0.27	mg/kg	Updated Value
SEDIMENT	99-65-0	FINAL	BA(i)	0.46	VGS(i)	0.001	mg/kg	Updated Value
SEDIMENT	AG	FINAL	AQ(s)	1	BA(i)	0.12	mg/kg	Updated Value
SEDIMENT	BA	FINAL	BA(i)	3.4	BA(i)	3.3	mg/kg	Updated Value
SEDIMENT	CD	FINAL	BA(i)	0.006	AQ(s)	0.59	mg/kg	Updated Value
SEDIMENT	NI	FINAL	BA(i)	3.5	AQ(s)	39	mg/kg	Updated Value
SEDIMENT	SB	FINAL	BA(i)	0.021	BA(i)	0.78	mg/kg	Updated Value
SEDIMENT	TL	FINAL	BA(i)	0.044	BA(i)	0.44	mg/kg	Updated Value
SEDIMENT	ZN	FINAL	BA(i)	0.25	VGS(i)	130	mg/kg	Updated Value
SOIL	107-06-2	FINAL	AR(p)	2.3	AR(p)	4.6	mg/kg	Updated Value
SOIL	1330-20-7	FINAL	VS(i)	5.4	AR(i)	1.1	mg/kg	Updated Value
SOIL	540-59-0	FINAL	DM(ip)	82	DM(ip)	81	mg/kg	Updated Value
SOIL	79-01-6	FINAL	VS(i) and DM(ip)	270	VS(i) and DM(ip)	1.9	mg/kg	Updated Value
SOIL	91-20-3	FINAL	AR(i)	0.02	AR(i)	0.2	mg/kg	Updated Value
SOIL	99-65-0	FINAL	DM(ip)	0.16	AR(p)	0.00021	mg/kg	Updated Value
SOIL	BA	FINAL	VS(i)	2.5	VS(i)	2.4	mg/kg	Updated Value
SOIL	CD	FINAL	VS(i)	0.0047	EW	0.1	mg/kg	Updated Value
SOIL	NI	FINAL	VS(i)	1.5	GP	20	mg/kg	Updated Value
SOIL	PB	FINAL	VS(i)	100	AR(i)	55	mg/kg	Updated Value

ESL Medium	Analyte Code	FdESLTbSlc	New Receptor(s)	New Value	Previous Receptor(s)	Previous Value	Units	Status
SOIL	SB	FINAL	VS(i)	0.016	GP	0.05	mg/kg	Updated Value
SOIL	TL	FINAL	VS(i)	0.032	GP	0.1	mg/kg	Updated Value
SOIL	ZN	FINAL	VS(i)	0.19	GP	10	mg/kg	Updated Value
WATER	118-96-7	FINAL	VGS(w)	40000	VS(w)	150000	µg/L	Updated Value
WATER	99-65-0	FINAL	AQ(w)	26	VGS(w)	1.7	µg/L	Updated Value
WATER	SB	FINAL	VS(w)	15	AQ(w)	100	µg/L	Updated Value

- **New TRVs**

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	B	SEDIMENT	0.000014	0.000014	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.000014 mg/kg/d from Ref ID 0344.
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	B	SOIL	0.000014	0.000014	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.000014 mg/kg/d from Ref ID 0344.
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	B	WATER	0.000014	0.000014	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.000014 mg/kg/d from Ref ID 0344.
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	I	SOIL	5	5	mg/kg	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source based TRV of 5 mg/kg from Ref ID 0575.
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	M	SEDIMENT	0.000001	0.000001	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.000001 mg/kg/d from Ref ID 0344.
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	M	SOIL	0.000001	0.000001	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.000001 mg/kg/d from Ref ID 0344.
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	M	WATER	0.000001	0.000001	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.000001 mg/kg/d from Ref ID 0344.
HE	Nitroglycerine	55-63-0	M	SEDIMENT	96.4		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0365 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
HE	Nitroglycerine	55-63-0	M	WATER	96.4		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0365 it was determined that the TRV for the water ESL model for this analyte and receptor group was missing and thus has been added into the database.
HE	Trinitrotoluene[2,4,6-]	118-96-7	B	SEDIMENT	9.75		mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). No previous value.
HE	Trinitrotoluene[2,4,6-]	118-96-7	B	SOIL	9.75		mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). No previous value.
HE	Trinitrotoluene[2,4,6-]	118-96-7	B	WATER	9.75		mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). No previous value.
INORG	Antimony	SB	M	SEDIMENT	0.0035	0.125	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.125 mg/kg/d from Ref ID 0344.
INORG	Antimony	SB	M	SOIL	0.0035	0.125	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.125 mg/kg/d from Ref ID 0344.
INORG	Antimony	SB	M	WATER	0.0035	0.125	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.125 mg/kg/d from Ref ID 0344.
INORG	Boron	B	B	SEDIMENT	28.8		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Boron	B	B	WATER	28.8		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the water ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Boron	B	M	SEDIMENT	28		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
									determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Boron	B	M	WATER	28		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the water ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Cadmium	CD	B	SEDIMENT	0.0153	1.45	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 1.45 mg/kg/d from Ref ID 0344.
INORG	Cadmium	CD	B	SOIL	0.0153	1.45	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 1.45 mg/kg/d from Ref ID 0344.
INORG	Cadmium	CD	B	WATER	0.0153	1.45	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 1.45 mg/kg/d from Ref ID 0344.
INORG	Cadmium	CD	I	SOIL	10	0.1	mg/kg	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source based TRV of 0.1 mg/kg from Ref ID 0097.
INORG	Cadmium	CD	M	SEDIMENT	0.0055	1	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 1 mg/kg/d from Ref ID 0344.
INORG	Cadmium	CD	M	SOIL	0.0055	1	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 1 mg/kg/d from Ref ID 0344.
INORG	Cadmium	CD	M	WATER	0.0055	1	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 1 mg/kg/d from Ref ID 0344.
INORG	Chromium (total)	CR	B	SEDIMENT	1		mg/kg/d	New Value	Based on review of data for the TRV derived by Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Chromium (total)	CR	B	WATER	1		mg/kg/d	New Value	Based on review of data for the TRV derived by Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Chromium (total)	CR	M	SEDIMENT	2737		mg/kg/d	New Value	Based on review of data for the TRV derived by Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Chromium (total)	CR	M	WATER	2737		mg/kg/d	New Value	Based on review of data for the TRV derived by Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Chromium(+3)	CR(+3)	B	SEDIMENT	75.6		mg/kg/d	New Value	This TRV derived by Ref Id 0715, used to be used as a surrogate for Cr(total), however, upon review of data it was determined that this value is for Cr(+3).
INORG	Chromium(+3)	CR(+3)	B	SOIL	75.6		mg/kg/d	New Value	This TRV derived by Ref Id 0715, used to be used as a surrogate for Cr(total), however, upon review of data it was determined that this value is for Cr(+3).

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
INORG	Chromium(+3)	CR(+3)	B	WATER	75.6		mg/kg/d	New Value	This TRV derived by Ref Id 0715, used to be used as a surrogate for Cr(total), however, upon review of data it was determined that this value is for Cr(+3).
INORG	Chromium(+3)	CR(+3)	M	SEDIMENT	1924		mg/kg/d	New Value	This TRV derived by Ref Id 0715, used to be used as a surrogate for Cr(total), however, upon review of data it was determined that this value is for Cr(+3).
INORG	Chromium(+3)	CR(+3)	M	SOIL	1924		mg/kg/d	New Value	This TRV derived by Ref Id 0715, used to be used as a surrogate for Cr(total), however, upon review of data it was determined that this value is for Cr(+3).
INORG	Chromium(+3)	CR(+3)	M	WATER	1924		mg/kg/d	New Value	This TRV derived by Ref Id 0715, used to be used as a surrogate for Cr(total), however, upon review of data it was determined that this value is for Cr(+3).
INORG	Chromium(+6)	CR(+6)	B	SEDIMENT	3.8	3.8	mg/kg/d	New Value	New secondary data source based TRV (Ref ID 0428), replacing secondary data source TRV of 3.8 mg/kg/d from Ref ID 0427.
INORG	Chromium(+6)	CR(+6)	B	SOIL	3.8	3.8	mg/kg/d	New Value	New secondary data source based TRV (Ref ID 0428), replacing secondary data source TRV of 3.8 mg/kg/d from Ref ID 0427.
INORG	Chromium(+6)	CR(+6)	B	WATER	3.8	3.8	mg/kg/d	New Value	New secondary data source based TRV (Ref ID 0428), replacing secondary data source TRV of 3.8 mg/kg/d from Ref ID 0427.
INORG	Copper	CU	B	SEDIMENT	3.02	47	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 47 mg/kg/d from Ref ID 0344.
INORG	Copper	CU	B	SOIL	3.02	47	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 47 mg/kg/d from Ref ID 0344.
INORG	Copper	CU	B	WATER	3.02	47	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 47 mg/kg/d from Ref ID 0344.
INORG	Copper	CU	M	SEDIMENT	35.7	11.7	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 11.7 mg/kg/d from Ref ID 0344.
INORG	Copper	CU	M	SOIL	35.7	11.7	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 11.7 mg/kg/d from Ref ID 0344.
INORG	Copper	CU	M	WATER	35.7	11.7	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 11.7 mg/kg/d from Ref ID 0344.
INORG	Fluoride	F(-1)	B	SEDIMENT	7.8		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Fluoride	F(-1)	B	WATER	7.8		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the water ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Fluoride	F(-1)	M	SEDIMENT	31.37		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
INORG	Fluoride	F(-1)	M	WATER	31.37		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the water ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Manganese	MN	B	SEDIMENT	977		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Manganese	MN	B	WATER	977		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the water ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Manganese	MN	M	SEDIMENT	88		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Manganese	MN	M	WATER	88		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the water ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Mercury (inorganic)	HGI	B	SEDIMENT	0.074	0.45	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.45 mg/kg/d from Ref ID 0344.
INORG	Mercury (inorganic)	HGI	B	SOIL	0.074	0.45	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.45 mg/kg/d from Ref ID 0344.
INORG	Mercury (inorganic)	HGI	B	WATER	0.074	0.45	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.45 mg/kg/d from Ref ID 0344.
INORG	Mercury (inorganic)	HGI	I	SOIL	0.05	0.05	mg/kg	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source based TRV of 0.05 mg/kg/d from Ref ID 0097.
INORG	Mercury (inorganic)	HGI	M	SEDIMENT	1.41	13.2	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 13.2 mg/kg/d from Ref ID 0344.
INORG	Mercury (inorganic)	HGI	M	SOIL	1.41	13.2	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 13.2 mg/kg/d from Ref ID 0344.
INORG	Mercury (inorganic)	HGI	M	WATER	1.41	13.2	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 13.2 mg/kg/d from Ref ID 0344.
INORG	Nickel	NI	B	SEDIMENT	28	77.4	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 77.4 mg/kg/d from Ref ID 0344.
INORG	Nickel	NI	B	SOIL	28	77.4	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 77.4 mg/kg/d from Ref ID 0344.
INORG	Nickel	NI	B	WATER	28	77.4	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 77.4 mg/kg/d from Ref ID 0344.
INORG	Nickel	NI	I	SOIL	100	100	mg/kg	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source based TRV of 100 mg/kg from Ref ID 0097.

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
INORG	Nickel	NI	M	SEDIMENT	0.069	40	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 40 mg/kg/d from Ref ID 0344.
INORG	Nickel	NI	M	SOIL	0.069	40	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 40 mg/kg/d from Ref ID 0344.
INORG	Nickel	NI	M	WATER	0.069	40	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 40 mg/kg/d from Ref ID 0344.
INORG	Selenium	SE	I	SOIL	7.7	7.7	mg/kg	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source based TRV of 7.7 mg/kg from Ref ID 0097.
INORG	Silver	AG	B	SEDIMENT	0.344		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
INORG	Silver	AG	B	SOIL	0.344		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
INORG	Silver	AG	B	WATER	0.344		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
INORG	Strontium (stable)	SR	M	SEDIMENT	263		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Strontium (stable)	SR	M	WATER	263		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the water ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Uranium	U	B	SEDIMENT	16		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Uranium	U	B	WATER	16		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the water ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Uranium	U	M	SEDIMENT	3.07		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Uranium	U	M	WATER	3.07		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the water ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Vanadium	V	B	SEDIMENT	11.4		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Vanadium	V	B	WATER	11.4		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the water ESL model for this analyte and receptor group was missing and thus has been added into the database.

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
INORG	Vanadium	V	M	SEDIMENT	0.21		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the sediment ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Vanadium	V	M	WATER	0.21		mg/kg/d	New Value	Based on review of data for the TRV from Ref ID 0344 it was determined that the TRV for the water ESL model for this analyte and receptor group was missing and thus has been added into the database.
INORG	Zinc	ZN	M	SEDIMENT	0.1375	160	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 160 mg/kg/d from Ref ID 0344.
INORG	Zinc	ZN	M	SOIL	0.1375	160	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 160 mg/kg/d from Ref ID 0344.
INORG	Zinc	ZN	M	WATER	0.1375	160	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 160 mg/kg/d from Ref ID 0344.
INORG	Zinc	ZN	P	SOIL	10	10	mg/kg	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source based TRV of 10 mg/kg from Ref ID 0095.
PAH	Anthracene	120-12-7	B	SEDIMENT	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Anthracene	120-12-7	B	SOIL	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Anthracene	120-12-7	B	WATER	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Benzo(a)anthracene	56-55-3	B	SEDIMENT	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Benzo(a)anthracene	56-55-3	B	SOIL	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Benzo(a)anthracene	56-55-3	B	WATER	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Benzo(a)pyrene	50-32-8	B	SEDIMENT	0.2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Benzo(a)pyrene	50-32-8	B	SOIL	0.2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Benzo(a)pyrene	50-32-8	B	WATER	0.2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Benzo(g,h,i)perylene	191-24-2	B	SEDIMENT	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Benzo(g,h,i)perylene	191-24-2	B	SOIL	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Benzo(g,h,i)perylene	191-24-2	B	WATER	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Benzo(k)fluoranthene	207-08-9	B	SEDIMENT	0.02		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
PAH	Benzo(k)fluoranthene	207-08-9	B	SOIL	0.02		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Benzo(k)fluoranthene	207-08-9	B	WATER	0.02		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Chrysene	218-01-9	B	SEDIMENT	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Chrysene	218-01-9	B	SOIL	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Chrysene	218-01-9	B	WATER	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Dibenzo(a,h)anthracene	53-70-3	B	SEDIMENT	0.2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Dibenzo(a,h)anthracene	53-70-3	B	SOIL	0.2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Dibenzo(a,h)anthracene	53-70-3	B	WATER	0.2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Fluoranthene	206-44-0	B	SEDIMENT	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Fluoranthene	206-44-0	B	SOIL	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Fluoranthene	206-44-0	B	WATER	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Fluorene	86-73-7	B	SEDIMENT	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Fluorene	86-73-7	B	SOIL	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Fluorene	86-73-7	B	WATER	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	B	SEDIMENT	0.5		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	B	SOIL	0.5		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	B	WATER	0.5		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Naphthalene	91-20-3	B	SEDIMENT	1.39		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
PAH	Naphthalene	91-20-3	B	SOIL	1.39		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
PAH	Naphthalene	91-20-3	B	WATER	1.39		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
PAH	Phenanthrene	85-01-8	B	SEDIMENT	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Phenanthrene	85-01-8	B	SOIL	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
PAH	Phenanthrene	85-01-8	B	WATER	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Pyrene	129-00-0	B	SEDIMENT	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Pyrene	129-00-0	B	SOIL	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PAH	Pyrene	129-00-0	B	WATER	2		mg/kg/d	New Value	Draft PTSE derived TRV (Ref ID 1230), not to be used until further literature review is completed. No previous value.
PCB	Aroclor-1248	12672-29-6	B	SEDIMENT	0.00272		mg/kg/d	New Value	New secondary data source based TRV from Ref ID 0428.
PCB	Aroclor-1248	12672-29-6	B	SOIL	0.00272		mg/kg/d	New Value	New secondary data source based TRV from Ref ID 0428.
PCB	Aroclor-1248	12672-29-6	B	WATER	0.00272		mg/kg/d	New Value	New secondary data source based TRV from Ref ID 0428.
PCB	Aroclor-1260	11096-82-5	B	SEDIMENT	0.468		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
PCB	Aroclor-1260	11096-82-5	B	SOIL	0.468		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
PCB	Aroclor-1260	11096-82-5	B	WATER	0.468		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
PEST	DDE[4,4'-]	72-55-9	B	SEDIMENT	0.00224		mg/kg/d	New Value	New secondary data source based TRV from Ref ID 0428.
PEST	DDE[4,4'-]	72-55-9	B	SOIL	0.00224		mg/kg/d	New Value	New secondary data source based TRV from Ref ID 0428.
PEST	DDE[4,4'-]	72-55-9	B	WATER	0.00224		mg/kg/d	New Value	New secondary data source based TRV from Ref ID 0428.
PEST	Methoxychlor[4,4'-]	72-43-5	B	SEDIMENT	25.78	20	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source based TRV of 20 mg/kg/d from Ref ID 0575.
PEST	Methoxychlor[4,4'-]	72-43-5	B	SOIL	25.78	20	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source based TRV of 20 mg/kg/d from Ref ID 0575.
PEST	Methoxychlor[4,4'-]	72-43-5	B	WATER	25.78	20	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source based TRV of 20 mg/kg/d from Ref ID 0575.
VOC	Acetone	67-64-1	B	SEDIMENT	565		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
VOC	Acetone	67-64-1	B	SOIL	565		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
VOC	Acetone	67-64-1	B	WATER	565		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
VOC	Tetrachloroethene	127-18-4	M	SEDIMENT	2	1.4	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 1.4 mg/kg/d from Ref ID 0344.
VOC	Tetrachloroethene	127-18-4	M	SOIL	2	1.4	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 1.4 mg/kg/d from Ref ID 0344.
VOC	Tetrachloroethene	127-18-4	M	WATER	2	1.4	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 1.4 mg/kg/d from Ref ID 0344.
VOC	Tetrachloroethene	127-18-4	P	SOIL	10		mg/kg	New Value	New PTSE derived TRV (Ref ID 1230). No previous value.
VOC	Trichloroethane[1,1,1-]	71-55-6	M	SEDIMENT	999	1000	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
									source TRV of 1000 mg/kg/d from Ref ID 0344.
VOC	Trichloroethane[1,1,1-]	71-55-6	M	SOIL	999	1000	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 1000 mg/kg/d from Ref ID 0344.
VOC	Trichloroethane[1,1,1-]	71-55-6	M	WATER	999	1000	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 1000 mg/kg/d from Ref ID 0344.
VOC	Trichloroethene	79-01-6	M	SEDIMENT	100	0.7	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.7 mg/kg/d from Ref ID 0344.
VOC	Trichloroethene	79-01-6	M	SOIL	100	0.7	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.7 mg/kg/d from Ref ID 0344.
VOC	Trichloroethene	79-01-6	M	WATER	100	0.7	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source TRV of 0.7 mg/kg/d from Ref ID 0344.
VOC	Xylene (Total)	1330-20-7	B	SEDIMENT	7.77		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
VOC	Xylene (Total)	1330-20-7	B	SEDIMENT	106.7	0.777	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source based TRV of 0.777 mg/kg/d from Ref ID 0428.
VOC	Xylene (Total)	1330-20-7	B	SOIL	106.7	0.777	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source based TRV of 0.777 mg/kg/d from Ref ID 0428.
VOC	Xylene (Total)	1330-20-7	B	SOIL	7.77		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
VOC	Xylene (Total)	1330-20-7	B	WATER	7.77		mg/kg/d	New Value	New secondary data source TRV from Ref ID 0427.
VOC	Xylene (Total)	1330-20-7	B	WATER	106.7	0.777	mg/kg/d	New Value	New PTSE derived TRV (Ref ID 1230). Replaced a secondary data source based TRV of 0.777 mg/kg/d from Ref ID 0428.

- **Updated TRVs**

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
HE	Dinitrobenzene[1,3-]	99-65-0	B	SOIL	0.422	0.000422	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 0.422 mg/kg/d instead of 0.000422 mg/kg/d as previously reported.
HE	Dinitrobenzene[1,3-]	99-65-0	B	SEDIMENT	0.422	0.000422	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 0.422 mg/kg/d instead of 0.000422 mg/kg/d as previously reported.
HE	Dinitrobenzene[1,3-]	99-65-0	B	WATER	0.422	0.000422	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 0.422 mg/kg/d instead of 0.000422 mg/kg/d as previously reported.
HE	Dinitrobenzene[1,3-]	99-65-0	I	SOIL	2260	2.26	mg/kg	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 2260 mg/kg/d instead of 2.26 mg/kg/d as previously reported.
HE	Dinitrobenzene[1,3-]	99-65-0	M	SEDIMENT	0.113	0.11	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0480, it was determined that the TRV should be reported as 0.113 mg/kg/d instead of 0.11 mg/kg/d as previously reported.

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
HE	Dinitrobenzene[1,3-]	99-65-0	M	WATER	0.113	0.11	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0480, it was determined that the TRV should be reported as 0.113 mg/kg/d instead of 0.11 mg/kg/d as previously reported.
HE	Dinitrobenzene[1,3-]	99-65-0	M	SOIL	0.113	0.11	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0480, it was determined that the TRV should be reported as 0.113 mg/kg/d instead of 0.11 mg/kg/d as previously reported.
HE	Dinitrobenzene[1,3-]	99-65-0	M	SOIL	1051	1.051	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 1051 mg/kg/d instead of 1.051 mg/kg/d as previously reported.
HE	Dinitrobenzene[1,3-]	99-65-0	M	SEDIMENT	1051	1.051	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 1051 mg/kg/d instead of 1.051 mg/kg/d as previously reported.
HE	Dinitrobenzene[1,3-]	99-65-0	M	WATER	1051	1.051	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 1051 mg/kg/d instead of 1.051 mg/kg/d as previously reported.
HE	Dinitrotoluene[2,4-]	121-14-2	M	SOIL	700	0.7	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 700 mg/kg/d instead of 0.7 mg/kg/d as previously reported.
HE	Dinitrotoluene[2,4-]	121-14-2	M	SEDIMENT	700	0.7	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 700 mg/kg/d instead of 0.7 mg/kg/d as previously reported.
HE	Dinitrotoluene[2,4-]	121-14-2	M	WATER	700	0.7	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 700 mg/kg/d instead of 0.7 mg/kg/d as previously reported.
HE	Dinitrotoluene[2,6-]	606-20-2	M	SEDIMENT	400	0.4	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 400 mg/kg/d instead of 0.4 mg/kg/d as previously reported.
HE	Dinitrotoluene[2,6-]	606-20-2	M	WATER	400	0.4	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 400 mg/kg/d instead of 0.4 mg/kg/d as previously reported.
HE	Dinitrotoluene[2,6-]	606-20-2	M	SOIL	400	0.4	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 400 mg/kg/d instead of 0.4 mg/kg/d as previously reported.
HE	HMX	2691-41-0	M	WATER	30	3	mg/kg/d	Updated Value	Based upon review of data from Ref ID 0467, it was determined that the final PTV that this TRV is based on should be a chronic NOAEL of 30 mg/kg/d instead of a subchronic NOAEL. No UFs are applied to final PTV as a result of changing its exposure duration category compared to the UF of 0.1 used previously to extrapolate from subchronic to chronic.
HE	HMX	2691-41-0	M	SEDIMENT	30	3	mg/kg/d	Updated Value	Based upon review of data from Ref ID 0467, it was determined that the final PTV that this TRV is based on should be a chronic NOAEL of 30 mg/kg/d instead of a subchronic NOAEL. No UFs are applied to final PTV as a result of changing its exposure duration category compared to the UF of 0.1 used previously to extrapolate from subchronic to chronic.
HE	HMX	2691-41-0	M	SOIL	30	3	mg/kg/d	Updated Value	Based upon review of data from Ref ID 0467, it was determined that the final PTV that this TRV is based on should be a chronic NOAEL of 30 mg/kg/d instead of a subchronic NOAEL. No UFs are applied to final PTV as a result of changing its exposure duration category compared to the UF of 0.1 used previously to extrapolate from subchronic to chronic.
INORG	Aluminum	AL	B	SEDIMENT	100	1.65	mg/kg/d	Updated Value	Previous value (1.65 mg/kg/d) was taken from a December 1998 draft document of

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
									Ref ID 0716. New value (100 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Aluminum	AL	B	WATER	100	1.65	mg/kg/d	Updated Value	Previous value (1.65 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (100 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Aluminum	AL	B	SOIL	100	1.65	mg/kg/d	Updated Value	Previous value (1.65 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (100 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Aluminum	AL	M	SOIL	1.93	0.066	mg/kg/d	Updated Value	Previous value (0.066 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (1.93 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Aluminum	AL	M	WATER	1.93	0.066	mg/kg/d	Updated Value	Previous value (0.066 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (1.93 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Aluminum	AL	M	SEDIMENT	1.93	0.066	mg/kg/d	Updated Value	Previous value (0.066 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (1.93 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Barium	BA	B	SEDIMENT	20.8	20	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 20.8 mg/kg/d instead of 20 mg/kg/d as previously reported.
INORG	Barium	BA	B	SEDIMENT	20.8	21	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0344, it was determined that the TRV should be reported as 20.8 mg/kg/d instead of 21 mg/kg/d as previously reported.
INORG	Barium	BA	B	SOIL	20.8	21	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0344, it was determined that the TRV should be reported as 20.8 mg/kg/d instead of 21 mg/kg/d as previously reported.
INORG	Barium	BA	B	SOIL	20.8	20	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 20.8 mg/kg/d instead of 20 mg/kg/d as previously reported.
INORG	Barium	BA	B	WATER	20.8	21	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0344, it was determined that the TRV should be reported as 20.8 mg/kg/d instead of 21 mg/kg/d as previously reported.
INORG	Barium	BA	B	WATER	20.8	20	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0716, it was determined that the TRV should be reported as 20.8 mg/kg/d instead of 20 mg/kg/d as previously reported.
INORG	Barium	BA	M	SOIL	0.55	0.54	mg/kg/d	Updated Value	Based on review of data, the TRV derived by Ref ID 0903 was revised. A correction was made to the final PTV (0.54 to 0.55 mg/kg/d, correction of previous rounding error) this TRV is derived from.
INORG	Barium	BA	M	SEDIMENT	0.55	0.54	mg/kg/d	Updated Value	Based on review of data, the TRV derived by Ref ID 0903 was revised. A correction was made to the final PTV (0.54 to 0.55 mg/kg/d, correction of previous rounding error) this TRV is derived from.
INORG	Barium	BA	M	WATER	0.55	0.54	mg/kg/d	Updated Value	Based on review of data, the TRV derived by Ref ID 0903 was revised. A correction was made to the final PTV (0.54 to 0.55 mg/kg/d, correction of previous rounding error) this TRV is derived from.
INORG	Boron	B	B	WATER	53.8	46.5	mg/kg/d	Updated Value	Based on review of data, the TRV derived by Ref ID 0715 was revised. It was determined that the final PTV that this TRV is based on should be 53.8 mg/kg/d instead of 46.5 mg/kg/d as previously reported. The final PTV changed because the body weight and food consumption rate used to calculate it were revised to be representative of the entire study period.

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
INORG	Boron	B	B	SOIL	53.8	46.5	mg/kg/d	Updated Value	Based on review of data, the TRV derived by Ref ID 0715 was revised. It was determined that the final PTV that this TRV is based on should be 53.8 mg/kg/d instead of 46.5 mg/kg/d as previously reported. The final PTV changed because the body weight and food consumption rate used to calculate it were revised to be representative of the entire study period.
INORG	Boron	B	B	SEDIMENT	53.8	46.5	mg/kg/d	Updated Value	Based on review of data, the TRV derived by Ref ID 0715 was revised. It was determined that the final PTV that this TRV is based on should be 53.8 mg/kg/d instead of 46.5 mg/kg/d as previously reported. The final PTV changed because the body weight and food consumption rate used to calculate it were revised to be representative of the entire study period.
INORG	Cadmium	CD	B	WATER	1.45	11.3	mg/kg/d	Updated Value	Previous value (11.3 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (1.45 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Cadmium	CD	B	SOIL	1.45	11.3	mg/kg/d	Updated Value	Previous value (11.3 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (1.45 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Cadmium	CD	B	SEDIMENT	1.45	11.3	mg/kg/d	Updated Value	Previous value (11.3 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (1.45 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Cadmium	CD	I	SOIL	1	0.1	mg/kg	Updated Value	The previous TRV (0.1 mg/kg) derived bu Ref ID 0097 was corrected to 1 mg/kg. The UF previously reported as being applied to the final PTV that this TRV is based on (10 mg/kg chronic LOEC) is correct (0.1 for LOEC to NOEC extrapolation), but the resulting value (1 mg/kg) had been entered incorrectly (typo) into the database as 0.1 mg/kg.
INORG	Cadmium	CD	M	SEDIMENT	0.0252	0.0417	mg/kg/d	Updated Value	Previous value (0.0417 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (0.0252 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Cadmium	CD	M	SOIL	0.0252	0.0417	mg/kg/d	Updated Value	Previous value (0.0417 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (0.0252 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Cadmium	CD	M	WATER	0.0252	0.0417	mg/kg/d	Updated Value	Previous value (0.0417 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (0.0252 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Chromium (total)	CR	B	SEDIMENT		75.6	mg/kg/d	Deleted Value	This TRV derived by Ref Id 0715, used to be used as a surrogate for Cr(total), however, upon review of data it was determined that this value is for Cr(+3).
INORG	Chromium (total)	CR	B	SOIL		75.6	mg/kg/d	Deleted Value	This TRV derived by Ref Id 0715, used to be used as a surrogate for Cr(total), however, upon review of data it was determined that this value is for Cr(+3).
INORG	Chromium (total)	CR	B	WATER		75.6	mg/kg/d	Deleted Value	This TRV derived by Ref Id 0715, used to be used as a surrogate for Cr(total), however, upon review of data it was determined that this value is for Cr(+3).
INORG	Chromium (total)	CR	M	WATER		1924	mg/kg/d	Deleted Value	This TRV derived by Ref Id 0715, used to be used as a surrogate for Cr(total), however, upon review of data it was determined that this value is for Cr(+3).
INORG	Chromium (total)	CR	M	SEDIMENT		1924	mg/kg/d	Deleted Value	This TRV derived by Ref Id 0715, used to be used as a surrogate for Cr(total), however, upon review of data it was determined that this value is for Cr(+3).

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
INORG	Chromium (total)	CR	M	SOIL		1924	mg/kg/d	Deleted Value	This TRV derived by Ref Id 0715, used to be used as a surrogate for Cr(total), however, upon review of data it was determined that this value is for Cr(+3).
INORG	Chromium(+6)	CR(+6)	M	WATER	3.5	0.06	mg/kg/d	Updated Value	Previous value (0.06 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (3.5 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Chromium(+6)	CR(+6)	M	SEDIMENT	3.5	0.06	mg/kg/d	Updated Value	Previous value (0.06 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (3.5 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Chromium(+6)	CR(+6)	M	SOIL	3.5	0.06	mg/kg/d	Updated Value	Previous value (0.06 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (3.5 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Copper	CU	B	SEDIMENT	46.97	4.7	mg/kg/d	Updated Value	Previous value (4.7 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (46.97 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Copper	CU	B	SOIL	46.97	4.7	mg/kg/d	Updated Value	Previous value (4.7 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (46.97 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Copper	CU	B	WATER	46.97	4.7	mg/kg/d	Updated Value	Previous value (4.7 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (46.97 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Copper	CU	M	SOIL	12	0.685	mg/kg/d	Updated Value	Previous value (0.685 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (12 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Copper	CU	M	SEDIMENT	12	0.685	mg/kg/d	Updated Value	Previous value (0.685 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (12 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Copper	CU	M	WATER	12	0.685	mg/kg/d	Updated Value	Previous value (0.685 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (12 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Fluoride	F(-1)	M	WATER	26.6	27	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0715, a correction was made to the final PTV (27 to 26.6 mg/kg/d, correction of previous error in reporting of significant digits) this TRV is derived from.
INORG	Fluoride	F(-1)	M	SOIL	26.6	27	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0715, a correction was made to the final PTV (27 to 26.6 mg/kg/d, correction of previous error in reporting of significant digits) this TRV is derived from.
INORG	Fluoride	F(-1)	M	SEDIMENT	26.6	27	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0715, a correction was made to the final PTV (27 to 26.6 mg/kg/d, correction of previous error in reporting of significant digits) this TRV is derived from.
INORG	Lead	PB	B	SOIL	0.025	0.25	mg/kg/d	Updated Value	Previous value (0.25 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (0.025 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Lead	PB	B	WATER	3.85	3.9	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0344, it was determined that the TRV should be reported as 3.85 mg/kg/d instead of 3.9 mg/kg as previously reported.

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
INORG	Lead	PB	B	WATER	15.7	5.51	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0903, it was determined that the final PTV that this TRV is based on should be 15.7 mg/kg/d instead of 5.51 mg/kg/d as previously reported. The final PTV changed because adjustments were made in the way it was calculated. Previously, the wet weight treatment concentration were multiplied by a dry weight food ingestion rate. The revision multiplied the wet weight treatment concentrations by a wet weight food ingestion rate.
INORG	Lead	PB	B	WATER	0.025	0.25	mg/kg/d	Updated Value	Previous value (0.25 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (0.025 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Lead	PB	B	SEDIMENT	0.025	0.25	mg/kg/d	Updated Value	Previous value (0.25 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (0.025 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Lead	PB	B	SEDIMENT	15.7	5.51	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0903, it was determined that the final PTV that this TRV is based on should be 15.7 mg/kg/d instead of 5.51 mg/kg/d as previously reported. The final PTV changed because adjustments were made in the way it was calculated. Previously, the wet weight treatment concentration were multiplied by a dry weight food ingestion rate. The revision multiplied the wet weight treatment concentrations by a wet weight food ingestion rate.
INORG	Lead	PB	B	SOIL	3.85	3.9	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0344, it was determined that the TRV should be reported as 3.85 mg/kg/d instead of 3.9 mg/kg as previously reported.
INORG	Lead	PB	B	SOIL	15.7	5.51	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0903, it was determined that the final PTV that this TRV is based on should be 15.7 mg/kg/d instead of 5.51 mg/kg/d as previously reported. The final PTV changed because adjustments were made in the way it was calculated. Previously, the wet weight treatment concentration were multiplied by a dry weight food ingestion rate. The revision multiplied the wet weight treatment concentrations by a wet weight food ingestion rate.
INORG	Lead	PB	B	SEDIMENT	3.85	3.9	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0344, it was determined that the TRV should be reported as 3.85 mg/kg/d instead of 3.9 mg/kg as previously reported.
INORG	Lead	PB	I	SOIL	2012	2000	mg/kg	Updated Value	Based on review of data for the TRV derived by Ref ID 0903, it was determined that the final PTV that this TRV is based on should be 2012 mg/kg instead of 2000 mg/kg as previously reported. This revision is based on including the background concentration of Pb in the exposure medium in calculating the exposure dose.
INORG	Lead	PB	M	SOIL	0.0375	0.625	mg/kg/d	Updated Value	Previous value (0.625 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (0.0375 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Lead	PB	M	SEDIMENT	0.0375	0.625	mg/kg/d	Updated Value	Previous value (0.625 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (0.0375 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Lead	PB	M	WATER	0.0375	0.625	mg/kg/d	Updated Value	Previous value (0.625 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (0.0375 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
INORG	Lead	PB	P	SOIL	528.5	450	mg/kg	Updated Value	Based on review of data for the TRV derived by Ref ID 0903, it was determined that the final PTV that this TRV is based on should be 528.5 mg/kg instead of 450 mg/kg as previously reported. This revision is based on including the background concentration of Pb in the exposure medium in calculating the exposure dose.
INORG	Manganese	MN	B	WATER	581	575	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0715, it was determined that the final PTV that this TRV is based on should be 581 mg/kg/d instead of 575 mg/kg/d as previously reported. This revision is based on including the background concentration of Mn in the exposure medium in calculating the exposure dose.
INORG	Manganese	MN	B	SEDIMENT	581	575	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0715, it was determined that the final PTV that this TRV is based on should be 581 mg/kg/d instead of 575 mg/kg/d as previously reported. This revision is based on including the background concentration of Mn in the exposure medium in calculating the exposure dose.
INORG	Manganese	MN	B	SOIL	581	575	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0715, it was determined that the final PTV that this TRV is based on should be 581 mg/kg/d instead of 575 mg/kg/d as previously reported. This revision is based on including the background concentration of Mn in the exposure medium in calculating the exposure dose.
INORG	Nickel	NI	M	WATER	50	8	mg/kg/d	Updated Value	Previous value (8 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (50 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Nickel	NI	M	SEDIMENT	50	8	mg/kg/d	Updated Value	Previous value (8 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (50 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Nickel	NI	M	SOIL	50	8	mg/kg/d	Updated Value	Previous value (8 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (50 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Selenium	SE	M	SEDIMENT	0.076	0.001	mg/kg/d	Updated Value	Previous value (0.001 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (0.076 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Selenium	SE	M	SOIL	0.076	0.001	mg/kg/d	Updated Value	Previous value (0.001 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (0.076 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Selenium	SE	M	WATER	0.076	0.001	mg/kg/d	Updated Value	Previous value (0.001 mg/kg/d) was taken from a December 1998 draft document of Ref ID 0716. New value (0.076 mg/kg/d) is taken from August 1999 peer review draft document of Ref ID 0716.
INORG	Silver	AG	M	SEDIMENT	19	0.02	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0858, it was determined that the final PTV that this TRV is based on should be a chronic NOAEL of 19 mg/kg/d instead of the 0.02 mg/kg/d as previously reported.
INORG	Silver	AG	M	WATER	19	0.02	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0858, it was determined that the final PTV that this TRV is based on should be a chronic NOAEL of 19 mg/kg/d instead of the 0.02 mg/kg/d as previously reported.
INORG	Silver	AG	M	SOIL	19	0.02	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0858, it was determined that the final PTV that this TRV is based on should be a chronic NOAEL of 19 mg/kg/d instead of the 0.02 mg/kg/d as previously reported.

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
INORG	Thallium	TL	M	SEDIMENT	0.0071	0.071	mg/kg/d	Updated Value	As a result of revisions to methods for coding primary toxicity data, the critical life stage designation of the final PTV (subchronic LOAEL of 0.71 mg/kg/d) that this TRV is based on (TRV from Ref ID 0858) was changed from C-CL to non-CL (See PTSE methods document for details of coding rules.) Furthermore, the UF applied to the final PTV was changed from 0.1 to 0.01. A UF of 0.1 was applied to extrapolate from subchronic to chronic in addition to the UF applied to extrapolate from a LOAEL to a NOAEL.
INORG	Thallium	TL	M	WATER	0.0071	0.071	mg/kg/d	Updated Value	As a result of revisions to methods for coding primary toxicity data, the critical life stage designation of the final PTV (subchronic LOAEL of 0.71 mg/kg/d) that this TRV is based on (TRV from Ref ID 0858) was changed from C-CL to non-CL (See PTSE methods document for details of coding rules.) Furthermore, the UF applied to the final PTV was changed from 0.1 to 0.01. A UF of 0.1 was applied to extrapolate from subchronic to chronic in addition to the UF applied to extrapolate from a LOAEL to a NOAEL.
INORG	Thallium	TL	M	SOIL	0.0071	0.071	mg/kg/d	Updated Value	As a result of revisions to methods for coding primary toxicity data, the critical life stage designation of the final PTV (subchronic LOAEL of 0.71 mg/kg/d) that this TRV is based on (TRV from Ref ID 0858) was changed from C-CL to non-CL (See PTSE methods document for details of coding rules.) Furthermore, the UF applied to the final PTV was changed from 0.1 to 0.01. A UF of 0.1 was applied to extrapolate from subchronic to chronic in addition to the UF applied to extrapolate from a LOAEL to a NOAEL.
INORG	Uranium	U	P	SOIL	25.6	25	mg/kg	Updated Value	Based on review of data for the TRV derived by Ref ID 0715, it was determined that the final PTV that this TRV is based on should be 25.6 mg/kg instead of 25 mg/kg as previously reported. This revision is based on including the background concentration of U in the exposure medium in calculating the exposure dose.
INORG	Zinc	ZN	I	SOIL	100	200	mg/kg	Updated Value	Based on review of the data source Ref ID 0096, it was determined that the TRV is 100 mg/kg instead of 200 mg/kg as reported previously.
PAH	Naphthalene	91-20-3	B	SOIL	0.0139	0.139	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0428, the final PTV that this TRV is based on was determined to be an acute NOAEL of 1.39 mg/kg/d instead of 13.9 mg/kg/d as previously reported. Applying an UF of 0.01 to extrapolate from Acute to Chronic results in a new TRV of 0.0139 mg/kg/d instead of 0.139 mg/kg/d as previously reported.
PAH	Naphthalene	91-20-3	B	WATER	0.0139	0.139	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0428, the final PTV that this TRV is based on was determined to be an acute NOAEL of 1.39 mg/kg/d instead of 13.9 mg/kg/d as previously reported. Applying an UF of 0.01 to extrapolate from Acute to Chronic results in a new TRV of 0.0139 mg/kg/d instead of 0.139 mg/kg/d as previously reported.
PAH	Naphthalene	91-20-3	B	SEDIMENT	0.0139	0.139	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0428, the final PTV that this TRV is based on was determined to be an acute NOAEL of 1.39 mg/kg/d instead of 13.9 mg/kg/d as previously reported. Applying an UF of 0.01 to extrapolate from Acute to Chronic results in a new TRV of 0.0139 mg/kg/d instead of 0.139 mg/kg/d as previously reported.
PAH	Naphthalene	91-20-3	M	WATER	0.5	50	mg/kg/d	Updated Value	As a result of revisions to methods for coding primary toxicity data, the critical life stage designation of the final PTV (acute NOAEL of 50 mg/kg/d) that this TRV (TRV is from Ref ID 0575) is based on was changed from C-CL to CL (See PTSE

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
									methods document for details of coding rules.) Furthermore, the UF applied to the final PTV was changed from 1 to 0.01. A UF of 0.01 was applied to extrapolate from acute to chronic.
PAH	Naphthalene	91-20-3	M	SOIL	0.5	50	mg/kg/d	Updated Value	As a result of revisions to methods for coding primary toxicity data, the critical life stage designation of the final PTV (acute NOAEL of 50 mg/kg/d) that this TRV (TRV is from Ref ID 0575) is based on was changed from C-CL to CL (See PTSE methods document for details of coding rules.) Furthermore, the UF applied to the final PTV was changed from 1 to 0.01. A UF of 0.01 was applied to extrapolate from acute to chronic.
PAH	Naphthalene	91-20-3	M	SEDIMENT	0.5	50	mg/kg/d	Updated Value	As a result of revisions to methods for coding primary toxicity data, the critical life stage designation of the final PTV (acute NOAEL of 50 mg/kg/d) that this TRV (TRV is from Ref ID 0575) is based on was changed from C-CL to CL (See PTSE methods document for details of coding rules.) Furthermore, the UF applied to the final PTV was changed from 1 to 0.01. A UF of 0.01 was applied to extrapolate from acute to chronic.
PEST	Endrin	72-20-8	AQ(s)	SEDIMENT	0.02	0.01	mg/kg	Updated Value	Based on review of the data source Ref ID 0733, it was determined that the TRV is 0.02 mg/kg instead of 0.01 mg/kg as reported previously.
VOC	Acetone	67-64-1	B	SOIL	5.65	56.5	mg/kg/d	Updated Value	Correction made to UF applied (0.1 to 0.01) based on review of data for TRV derived by Ref ID 0428. According to PTSE methods for coding PTV data, the previous UF applied was in error for the final PTV this TRV is based on (acute NOAEL = 565 mg/kg/d).
VOC	Acetone	67-64-1	B	SEDIMENT	200.89	20089	mg/kg/d	Updated Value	As a result of revisions to methods for coding primary toxicity data, the critical life stage designation of the final PTV (acute NOAEL of 20089 mg/kg/d) that this TRV (TRV is derived by Ref ID 0903) is based on was changed from C-CL to CL (See PTSE methods document for details of coding rules.) Furthermore, the UF applied to the final PTV was changed from 1 to 0.01. A UF of 0.01 was applied to extrapolate from acute to chronic.
VOC	Acetone	67-64-1	B	SOIL	200.89	20089	mg/kg/d	Updated Value	As a result of revisions to methods for coding primary toxicity data, the critical life stage designation of the final PTV (acute NOAEL of 20089 mg/kg/d) that this TRV (TRV is derived by Ref ID 0903) is based on was changed from C-CL to CL (See PTSE methods document for details of coding rules.) Furthermore, the UF applied to the final PTV was changed from 1 to 0.01. A UF of 0.01 was applied to extrapolate from acute to chronic.
VOC	Acetone	67-64-1	B	SEDIMENT	5.65	56.5	mg/kg/d	Updated Value	Correction made to UF applied (0.1 to 0.01) based on review of data for TRV derived by Ref ID 0428. According to PTSE methods for coding PTV data, the previous UF applied was in error for the final PTV this TRV is based on (acute NOAEL = 565 mg/kg/d).
VOC	Acetone	67-64-1	B	WATER	200.89	20089	mg/kg/d	Updated Value	As a result of revisions to methods for coding primary toxicity data, the critical life stage designation of the final PTV (acute NOAEL of 20089 mg/kg/d) that this TRV (TRV is derived by Ref ID 0903) is based on was changed from C-CL to CL (See PTSE methods document for details of coding rules.) Furthermore, the UF applied to the final PTV was changed from 1 to 0.01. A UF of 0.01 was applied to extrapolate from acute to chronic.
VOC	Acetone	67-64-1	B	WATER	5.65	56.5	mg/kg/d	Updated Value	Correction made to UF applied (0.1 to 0.01) based on review of data for TRV derived by Ref ID 0428. According to PTSE methods for coding PTV data, the

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
									previous UF applied was in error for the final PTV this TRV is based on (acute NOAEL = 565 mg/kg/d).
VOC	Dichlorobenzene[1,4-]	106-46-7	M	SOIL	2.5	250	mg/kg/d	Updated Value	As a result of revisions to methods for coding primary toxicity data, the critical life stage designation of the final PTV (acute NOAEL of 250 mg/kg/d) that this TRV (TRV is derived by Ref ID 0575) is based on was changed from C-CL to CL (See PTSE methods document for details of coding rules.) Furthermore, the UF applied to the final PTV was changed from 1 to 0.01. A UF of 0.01 was applied to extrapolate from acute to chronic.
VOC	Dichlorobenzene[1,4-]	106-46-7	M	WATER	2.5	250	mg/kg/d	Updated Value	As a result of revisions to methods for coding primary toxicity data, the critical life stage designation of the final PTV (acute NOAEL of 250 mg/kg/d) that this TRV (TRV is derived by Ref ID 0575) is based on was changed from C-CL to CL (See PTSE methods document for details of coding rules.) Furthermore, the UF applied to the final PTV was changed from 1 to 0.01. A UF of 0.01 was applied to extrapolate from acute to chronic.
VOC	Dichlorobenzene[1,4-]	106-46-7	M	SEDIMENT	2.5	250	mg/kg/d	Updated Value	As a result of revisions to methods for coding primary toxicity data, the critical life stage designation of the final PTV (acute NOAEL of 250 mg/kg/d) that this TRV (TRV is derived by Ref ID 0575) is based on was changed from C-CL to CL (See PTSE methods document for details of coding rules.) Furthermore, the UF applied to the final PTV was changed from 1 to 0.01. A UF of 0.01 was applied to extrapolate from acute to chronic.
VOC	Dichloroethane[1,2-]	107-06-2	B	SOIL	17.2	17	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0344, it was determined that the TRV should be reported as 17.2 mg/kg/d instead of 17 mg/kg as previously reported.
VOC	Dichloroethane[1,2-]	107-06-2	B	WATER	17.2	17	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0344, it was determined that the TRV should be reported as 17.2 mg/kg/d instead of 17 mg/kg as previously reported.
VOC	Dichloroethane[1,2-]	107-06-2	B	SEDIMENT	17.2	17	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0344, it was determined that the TRV should be reported as 17.2 mg/kg/d instead of 17 mg/kg as previously reported.
VOC	Dichloroethane[1,2-]	107-06-2	B	WATER	4.6	9.3	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0903, it was determined that the final PTV that this TRV is based on should be 4.6 mg/kg/d instead of 9.3 mg/kg/d as previously reported. The final PTV changed because the food consumption rate used to calculate it was revised to be representative of the entire study period.
VOC	Dichloroethane[1,2-]	107-06-2	B	SOIL	4.6	9.3	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0903, it was determined that the final PTV that this TRV is based on should be 4.6 mg/kg/d instead of 9.3 mg/kg/d as previously reported. The final PTV changed because the food consumption rate used to calculate it was revised to be representative of the entire study period.
VOC	Dichloroethane[1,2-]	107-06-2	B	SEDIMENT	4.6	9.3	mg/kg/d	Updated Value	Based on review of data for the TRV derived by Ref ID 0903, it was determined that the final PTV that this TRV is based on should be 4.6 mg/kg/d instead of 9.3 mg/kg/d as previously reported. The final PTV changed because the food consumption rate used to calculate it was revised to be representative of the entire study period.
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	M	SEDIMENT	45.2	45	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0344, it was determined that the TRV should be reported as 45.2 mg/kg/d instead of 45 mg/kg as previously reported.
VOC	Dichloroethene[cis/trans-	540-59-0	M	SOIL	45.2	45	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0344, it was determined that the TRV

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	New TRV	Old TRV	Units	TypeOfChange	Comment
	1,2-]								should be reported as 45.2 mg/kg/d instead of 45 mg/kg as previously reported.
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	M	WATER	45.2	45	mg/kg/d	Updated Value	Based on review of the data source Ref ID 0344, it was determined that the TRV should be reported as 45.2 mg/kg/d instead of 45 mg/kg as previously reported.

- **New PTSE TRVs**

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	TRV	Units
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	B	SEDIMENT	0.000014	mg/kg/d
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	B	SOIL	0.000014	mg/kg/d
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	B	WATER	0.000014	mg/kg/d
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	I	SOIL	5	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	M	SEDIMENT	0.000001	mg/kg/d
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	M	SOIL	0.000001	mg/kg/d
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	M	WATER	0.000001	mg/kg/d
HE	Trinitrotoluene[2,4,6-]	118-96-7	B	SEDIMENT	9.75	mg/kg/d
HE	Trinitrotoluene[2,4,6-]	118-96-7	B	SOIL	9.75	mg/kg/d
HE	Trinitrotoluene[2,4,6-]	118-96-7	B	WATER	9.75	mg/kg/d
INORG	Antimony	SB	M	SEDIMENT	0.0035	mg/kg/d
INORG	Antimony	SB	M	SOIL	0.0035	mg/kg/d
INORG	Antimony	SB	M	WATER	0.0035	mg/kg/d
INORG	Cadmium	CD	B	SEDIMENT	0.0153	mg/kg/d
INORG	Cadmium	CD	B	SOIL	0.0153	mg/kg/d
INORG	Cadmium	CD	B	WATER	0.0153	mg/kg/d
INORG	Cadmium	CD	I	SOIL	10	mg/kg
INORG	Cadmium	CD	M	SEDIMENT	0.0055	mg/kg/d
INORG	Cadmium	CD	M	SOIL	0.0055	mg/kg/d
INORG	Cadmium	CD	M	WATER	0.0055	mg/kg/d
INORG	Copper	CU	B	SEDIMENT	3.02	mg/kg/d
INORG	Copper	CU	B	SOIL	3.02	mg/kg/d
INORG	Copper	CU	B	WATER	3.02	mg/kg/d
INORG	Copper	CU	M	SEDIMENT	35.7	mg/kg/d
INORG	Copper	CU	M	SOIL	35.7	mg/kg/d
INORG	Copper	CU	M	WATER	35.7	mg/kg/d
INORG	Mercury (inorganic)	HGI	B	SEDIMENT	0.074	mg/kg/d
INORG	Mercury (inorganic)	HGI	B	SOIL	0.074	mg/kg/d
INORG	Mercury (inorganic)	HGI	B	WATER	0.074	mg/kg/d
INORG	Mercury (inorganic)	HGI	I	SOIL	0.05	mg/kg
INORG	Mercury (inorganic)	HGI	M	SEDIMENT	1.41	mg/kg/d

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	TRV	Units
INORG	Mercury (inorganic)	HGI	M	SOIL	1.41	mg/kg/d
INORG	Mercury (inorganic)	HGI	M	WATER	1.41	mg/kg/d
INORG	Nickel	NI	B	SEDIMENT	28	mg/kg/d
INORG	Nickel	NI	B	SOIL	28	mg/kg/d
INORG	Nickel	NI	B	WATER	28	mg/kg/d
INORG	Nickel	NI	I	SOIL	100	mg/kg
INORG	Nickel	NI	M	SEDIMENT	0.069	mg/kg/d
INORG	Nickel	NI	M	SOIL	0.069	mg/kg/d
INORG	Nickel	NI	M	WATER	0.069	mg/kg/d
INORG	Selenium	SE	I	SOIL	7.7	mg/kg
INORG	Zinc	ZN	M	SEDIMENT	0.1375	mg/kg/d
INORG	Zinc	ZN	M	SOIL	0.1375	mg/kg/d
INORG	Zinc	ZN	M	WATER	0.1375	mg/kg/d
INORG	Zinc	ZN	P	SOIL	10	mg/kg
PAH	Anthracene	120-12-7	B	SEDIMENT	2	mg/kg/d
PAH	Anthracene	120-12-7	B	SOIL	2	mg/kg/d
PAH	Anthracene	120-12-7	B	WATER	2	mg/kg/d
PAH	Benzo(a)anthracene	56-55-3	B	SEDIMENT	2	mg/kg/d
PAH	Benzo(a)anthracene	56-55-3	B	SOIL	2	mg/kg/d
PAH	Benzo(a)anthracene	56-55-3	B	WATER	2	mg/kg/d
PAH	Benzo(a)pyrene	50-32-8	B	SEDIMENT	0.2	mg/kg/d
PAH	Benzo(a)pyrene	50-32-8	B	SOIL	0.2	mg/kg/d
PAH	Benzo(a)pyrene	50-32-8	B	WATER	0.2	mg/kg/d
PAH	Benzo(g,h,i)perylene	191-24-2	B	SEDIMENT	2	mg/kg/d
PAH	Benzo(g,h,i)perylene	191-24-2	B	SOIL	2	mg/kg/d
PAH	Benzo(g,h,i)perylene	191-24-2	B	WATER	2	mg/kg/d
PAH	Benzo(k)fluoranthene	207-08-9	B	SEDIMENT	0.02	mg/kg/d
PAH	Benzo(k)fluoranthene	207-08-9	B	SOIL	0.02	mg/kg/d
PAH	Benzo(k)fluoranthene	207-08-9	B	WATER	0.02	mg/kg/d
PAH	Chrysene	218-01-9	B	SEDIMENT	2	mg/kg/d
PAH	Chrysene	218-01-9	B	SOIL	2	mg/kg/d
PAH	Chrysene	218-01-9	B	WATER	2	mg/kg/d
PAH	Dibenzo(a,h)anthracene	53-70-3	B	SEDIMENT	0.2	mg/kg/d
PAH	Dibenzo(a,h)anthracene	53-70-3	B	SOIL	0.2	mg/kg/d
PAH	Dibenzo(a,h)anthracene	53-70-3	B	WATER	0.2	mg/kg/d
PAH	Fluoranthene	206-44-0	B	SEDIMENT	2	mg/kg/d
PAH	Fluoranthene	206-44-0	B	SOIL	2	mg/kg/d

Analyte Group	Analyte Name	Analyte Code	Receptor Group	ESL Medium	TRV	Units
PAH	Fluoranthene	206-44-0	B	WATER	2	mg/kg/d
PAH	Fluorene	86-73-7	B	SEDIMENT	2	mg/kg/d
PAH	Fluorene	86-73-7	B	SOIL	2	mg/kg/d
PAH	Fluorene	86-73-7	B	WATER	2	mg/kg/d
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	B	SEDIMENT	0.5	mg/kg/d
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	B	SOIL	0.5	mg/kg/d
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	B	WATER	0.5	mg/kg/d
PAH	Phenanthrene	85-01-8	B	SEDIMENT	2	mg/kg/d
PAH	Phenanthrene	85-01-8	B	SOIL	2	mg/kg/d
PAH	Phenanthrene	85-01-8	B	WATER	2	mg/kg/d
PAH	Pyrene	129-00-0	B	SEDIMENT	2	mg/kg/d
PAH	Pyrene	129-00-0	B	SOIL	2	mg/kg/d
PAH	Pyrene	129-00-0	B	WATER	2	mg/kg/d
PEST	Methoxychlor[4,4'-]	72-43-5	B	SEDIMENT	25.78	mg/kg/d
PEST	Methoxychlor[4,4'-]	72-43-5	B	SOIL	25.78	mg/kg/d
PEST	Methoxychlor[4,4'-]	72-43-5	B	WATER	25.78	mg/kg/d
VOC	Tetrachloroethene	127-18-4	M	SEDIMENT	2	mg/kg/d
VOC	Tetrachloroethene	127-18-4	M	SOIL	2	mg/kg/d
VOC	Tetrachloroethene	127-18-4	M	WATER	2	mg/kg/d
VOC	Tetrachloroethene	127-18-4	P	SOIL	10	mg/kg
VOC	Trichloroethane[1,1,1-]	71-55-6	M	SEDIMENT	999	mg/kg/d
VOC	Trichloroethane[1,1,1-]	71-55-6	M	SOIL	999	mg/kg/d
VOC	Trichloroethane[1,1,1-]	71-55-6	M	WATER	999	mg/kg/d
VOC	Trichloroethene	79-01-6	M	SEDIMENT	100	mg/kg/d
VOC	Trichloroethene	79-01-6	M	SOIL	100	mg/kg/d
VOC	Trichloroethene	79-01-6	M	WATER	100	mg/kg/d
VOC	Xylene (Total)	1330-20-7	B	SEDIMENT	106.7	mg/kg/d
VOC	Xylene (Total)	1330-20-7	B	SOIL	106.7	mg/kg/d
VOC	Xylene (Total)	1330-20-7	B	WATER	106.7	mg/kg/d

- **Other Parameter Changes**

Parameter	Analyte	Medium	Receptor	NewData	PreviousData	TypeOfChange	DescriptionOfChange
ESL Model Equation	N/A	SEDIMENT	BA(i)	ESL = (TRV)/ (I_food_dw * (fi * TF_invert_dw))	ESL = TRV/ (I_food_dw * (fi * TF_invert_dw))	Updated Equation	Removal of unnecessary () around TRV in equation.
ESL Model Equation	N/A	SEDIMENT	VGS(i)	ESL = (TRV)/ (I_food_dw * (fi * TF_invert_dw))	ESL = TRV/ (I_food_dw * (fi * TF_invert_dw))	Updated Equation	Removal of unnecessary () around TRV in equation.
ESL Model Equation	N/A	SOIL	AK(f)	ESL = (TRV)/ (I_food_dw * (fs + (ff * TF_flesh_dw)))	ESL = TRV/ (I_food_dw * (fs + (ff * TF_flesh_dw)))	Updated Equation	Removal of unnecessary () around TRV in equation.
ESL Model Equation	N/A	SOIL	AK(fi)	ESL = (TRV)/ (I_food_dw * (fs + ((ff * TF_flesh_dw) + (fi * TF_invert_dw))))	ESL = TRV/ (I_food_dw * (fs + ((ff * TF_flesh_dw) + (fi * TF_invert_dw))))	Updated Equation	Removal of unnecessary () around TRV in equation.
ESL Model Equation	N/A	SOIL	RF(f)	ESL = (TRV)/ (I_food_dw * (fs + (ff * TF_flesh_dw)))	ESL = TRV/ (I_food_dw * (fs + (ff * TF_flesh_dw)))	Updated Equation	Removal of unnecessary () around TRV in equation.

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- **New ESLs**

Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	Type Of Change	Reason	New ESL	Units
INORG	Barium	BA	SOIL	EW	New Value	New EcoSSL TRV.	330	mg/kg
INORG	Beryllium	BE	SOIL	EW	New Value	New EcoSSL TRV.	40	mg/kg
INORG	Antimony	SB	SOIL	EW	New Value	New EcoSSL TRV.	78	mg/kg

- **Updated ESLs**

Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	Type Of Change	Reason	New ESL	Previous ESL	Units
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SEDIMENT	BA(i)	Updated Value	New GMM TRV.	0.00000036	0.00000065	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	DC(p)	Updated Value	New GMM TRV.	0.000072	0.00012	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	DM(ip)	Updated Value	New GMM TRV.	0.00000059	0.000001	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	RF(f)	Updated Value	New GMM TRV.	0.0000012	0.0000022	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	VS(i)	Updated Value	New GMM TRV.	0.00000029	0.00000052	mg/kg
HE	RDX	121-82-4	SEDIMENT	BA(i)	Updated Value	New GMM TRV.	39	44	mg/kg
HE	RDX	121-82-4	SOIL	DC(p)	Updated Value	New GMM TRV.	10	11	mg/kg
HE	RDX	121-82-4	SOIL	DM(ip)	Updated Value	New GMM TRV.	8.2	9.2	mg/kg
HE	RDX	121-82-4	SOIL	RF(f)	Updated Value	New GMM TRV.	4400	4900	mg/kg
HE	RDX	121-82-4	SOIL	VS(i)	Updated Value	New GMM TRV.	29	33	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	SOIL	GP	Updated Value	Revised TRV.	80	0.7	mg/kg
INORG	Aluminum	AL	SOIL	AK(f)	Updated Value	New EcoSSL TRV is based on site soil pH being less than 5.5.		52000	mg/kg
INORG	Aluminum	AL	SOIL	AK(fi)	Updated Value	New EcoSSL TRV is based on site soil pH being less than 5.5.		2100	mg/kg
INORG	Aluminum	AL	SOIL	AR(i)	Updated Value	New EcoSSL TRV is based on site soil pH being less than 5.5.		280	mg/kg
INORG	Aluminum	AL	SOIL	AR(ip)	Updated Value	New EcoSSL TRV is based on site soil pH being less than 5.5.		510	mg/kg
INORG	Aluminum	AL	SOIL	AR(p)	Updated Value	New EcoSSL TRV is based on site soil pH being less than 5.5.		2900	mg/kg
INORG	Aluminum	AL	SOIL	DC(p)	Updated Value	New EcoSSL TRV is based on site soil pH being less than 5.5.		760	mg/kg
INORG	Aluminum	AL	SOIL	DM(ip)	Updated Value	New EcoSSL TRV is based on site soil pH being less than 5.5.		18	mg/kg
INORG	Aluminum	AL	SOIL	GP	Updated Value	New EcoSSL TRV is based on site soil pH		5	mg/kg

Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	Type Of Change	Reason	New ESL	Previous ESL	Units
						being less than 5.5.			
INORG	Aluminum	AL	SOIL	RF(f)	Updated Value	New EcoSSL TRV is based on site soil pH being less than 5.5.		1400	mg/kg
INORG	Aluminum	AL	SOIL	VS(i)	Updated Value	New EcoSSL TRV is based on site soil pH being less than 5.5.		8.8	mg/kg
INORG	Antimony	SB	SEDIMENT	BA(i)	Updated Value	New EcoSSL TRV.	0.37	0.021	mg/kg
INORG	Antimony	SB	SOIL	DC(p)	Updated Value	New EcoSSL TRV.	2.9	0.17	mg/kg
INORG	Antimony	SB	SOIL	DM(ip)	Updated Value	New EcoSSL TRV.	0.48	0.028	mg/kg
INORG	Antimony	SB	SOIL	RF(f)	Updated Value	New EcoSSL TRV.	46	2.7	mg/kg
INORG	Antimony	SB	SOIL	VS(i)	Updated Value	New EcoSSL TRV.	0.27	0.016	mg/kg
INORG	Antimony	SB	WATER	BA(w)	Updated Value	New GMM TRV.	960	22	µg/L
INORG	Antimony	SB	WATER	DC(w)	Updated Value	New GMM TRV.	1500	36	µg/L
INORG	Antimony	SB	WATER	DM(w)	Updated Value	New GMM TRV.	810	18	µg/L
INORG	Antimony	SB	WATER	RF(w)	Updated Value	New GMM TRV.	1700	40	µg/L
INORG	Antimony	SB	WATER	VS(w)	Updated Value	New GMM TRV.	690	15	µg/L
INORG	Barium	BA	SEDIMENT	BA(i)	Updated Value	New EcoSSL TRV.	320	3.4	mg/kg
INORG	Barium	BA	SEDIMENT	VGS(i)	Updated Value	New GMM TRV.	270	340	mg/kg
INORG	Barium	BA	SOIL	AK(f)	Updated Value	New GMM TRV.	36000	46000	mg/kg
INORG	Barium	BA	SOIL	AK(fi)	Updated Value	New GMM TRV.	1400	1700	mg/kg
INORG	Barium	BA	SOIL	AR(i)	Updated Value	New GMM TRV.	190	230	mg/kg
INORG	Barium	BA	SOIL	AR(ip)	Updated Value	New GMM TRV.	300	380	mg/kg
INORG	Barium	BA	SOIL	AR(p)	Updated Value	New GMM TRV.	820	1000	mg/kg
INORG	Barium	BA	SOIL	DC(p)	Updated Value	New EcoSSL TRV.	3300	35	mg/kg
INORG	Barium	BA	SOIL	DM(ip)	Updated Value	New EcoSSL TRV.	440	4.6	mg/kg
INORG	Barium	BA	SOIL	RF(f)	Updated Value	New EcoSSL TRV.	41000	430	mg/kg
INORG	Barium	BA	SOIL	VS(i)	Updated Value	New EcoSSL TRV.	230	2.5	mg/kg
INORG	Barium	BA	WATER	BA(w)	Updated Value	New GMM TRV.	8600	3400	µg/L
INORG	Barium	BA	WATER	DC(w)	Updated Value	New GMM TRV.	14000	5600	µg/L
INORG	Barium	BA	WATER	DM(w)	Updated Value	New GMM TRV.	7200	2800	µg/L
INORG	Barium	BA	WATER	RF(w)	Updated Value	New GMM TRV.	16000	6300	µg/L
INORG	Barium	BA	WATER	VS(w)	Updated Value	New GMM TRV.	6100	2400	µg/L
INORG	Beryllium	BE	SEDIMENT	BA(i)	Updated Value	New EcoSSL TRV.	3.3	4.1	mg/kg
INORG	Beryllium	BE	SOIL	DC(p)	Updated Value	New EcoSSL TRV.	170	210	mg/kg
INORG	Beryllium	BE	SOIL	DM(ip)	Updated Value	New EcoSSL TRV.	5	6.3	mg/kg
INORG	Beryllium	BE	SOIL	RF(f)	Updated Value	New EcoSSL TRV.	410	510	mg/kg
INORG	Beryllium	BE	SOIL	VS(i)	Updated Value	New EcoSSL TRV.	2.4	3	mg/kg

Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	Type Of Change	Reason	New ESL	Previous ESL	Units
INORG	Boron	B	SEDIMENT	VGS(i)	Updated Value	New GMM TRV.	10	200	mg/kg
INORG	Boron	B	SOIL	AK(f)	Updated Value	New GMM TRV.	1400	26000	mg/kg
INORG	Boron	B	SOIL	AK(fi)	Updated Value	New GMM TRV.	56	1000	mg/kg
INORG	Boron	B	SOIL	AR(i)	Updated Value	New GMM TRV.	7.5	130	mg/kg
INORG	Boron	B	SOIL	AR(ip)	Updated Value	New GMM TRV.	3.2	59	mg/kg
INORG	Boron	B	SOIL	AR(p)	Updated Value	New GMM TRV.	2	37	mg/kg
INORG	Boron	B	SOIL	GP	Updated Value	New subset GMM TRV.	36	10	mg/kg
INORG	Cadmium	CD	SEDIMENT	BA(i)	Updated Value	New EcoSSL TRV.	0.84	0.006	mg/kg
INORG	Cadmium	CD	SEDIMENT	VGS(i)	Updated Value	New EcoSSL TRV.	1.1	0.01	mg/kg
INORG	Cadmium	CD	SOIL	AK(f)	Updated Value	New EcoSSL TRV.	770	6.9	mg/kg
INORG	Cadmium	CD	SOIL	AK(fi)	Updated Value	New EcoSSL TRV.	5.9	0.053	mg/kg
INORG	Cadmium	CD	SOIL	AR(i)	Updated Value	New EcoSSL TRV.	0.83	0.0075	mg/kg
INORG	Cadmium	CD	SOIL	AR(ip)	Updated Value	New EcoSSL TRV.	1.5	0.013	mg/kg
INORG	Cadmium	CD	SOIL	AR(p)	Updated Value	New EcoSSL TRV.	10	0.093	mg/kg
INORG	Cadmium	CD	SOIL	DC(p)	Updated Value	New EcoSSL TRV.	22	0.15	mg/kg
INORG	Cadmium	CD	SOIL	DM(ip)	Updated Value	New EcoSSL TRV.	1.2	0.0091	mg/kg
INORG	Cadmium	CD	SOIL	EW	Updated Value	New EcoSSL TRV.	150	10	mg/kg
INORG	Cadmium	CD	SOIL	GP	Updated Value	New EcoSSL TRV.	29	1	mg/kg
INORG	Cadmium	CD	SOIL	RF(f)	Updated Value	New EcoSSL TRV.	570	4	mg/kg
INORG	Cadmium	CD	SOIL	VS(i)	Updated Value	New EcoSSL TRV.	0.67	0.0047	mg/kg
INORG	Cadmium	CD	WATER	AK(w)	Updated Value	New GMM TRV.	12000	120	µg/L
INORG	Cadmium	CD	WATER	AR(w)	Updated Value	New GMM TRV.	10000	100	µg/L
INORG	Cadmium	CD	WATER	BA(w)	Updated Value	New GMM TRV.	6700	34	µg/L
INORG	Cadmium	CD	WATER	DC(w)	Updated Value	New GMM TRV.	11000	56	µg/L
INORG	Cadmium	CD	WATER	DM(w)	Updated Value	New GMM TRV.	5600	28	µg/L
INORG	Cadmium	CD	WATER	RF(w)	Updated Value	New GMM TRV.	12000	63	µg/L
INORG	Cadmium	CD	WATER	VGS(w)	Updated Value	New GMM TRV.	5900	63	µg/L
INORG	Cadmium	CD	WATER	VS(w)	Updated Value	New GMM TRV.	4800	24	µg/L
INORG	Cobalt	CO	SEDIMENT	BA(i)	Updated Value	New EcoSSL TRV.	45	0.12	mg/kg
INORG	Cobalt	CO	SEDIMENT	VGS(i)	Updated Value	New EcoSSL TRV.	28	0.074	mg/kg
INORG	Cobalt	CO	SOIL	AK(f)	Updated Value	New EcoSSL TRV.	2300	6	mg/kg
INORG	Cobalt	CO	SOIL	AK(fi)	Updated Value	New EcoSSL TRV.	140	0.38	mg/kg
INORG	Cobalt	CO	SOIL	AR(i)	Updated Value	New EcoSSL TRV.	19	0.051	mg/kg
INORG	Cobalt	CO	SOIL	AR(ip)	Updated Value	New EcoSSL TRV.	35	0.093	mg/kg
INORG	Cobalt	CO	SOIL	AR(p)	Updated Value	New EcoSSL TRV.	170	0.46	mg/kg
INORG	Cobalt	CO	SOIL	DC(p)	Updated Value	New EcoSSL TRV.	1800	5	mg/kg

Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	Type Of Change	Reason	New ESL	Previous ESL	Units
INORG	Cobalt	CO	SOIL	DM(ip)	Updated Value	New EcoSSL TRV.	69	0.19	mg/kg
INORG	Cobalt	CO	SOIL	GP	Updated Value	New EcoSSL TRV.	13	0.25	mg/kg
INORG	Cobalt	CO	SOIL	RF(f)	Updated Value	New EcoSSL TRV.	3900	10	mg/kg
INORG	Cobalt	CO	SOIL	VS(i)	Updated Value	New EcoSSL TRV.	33	0.091	mg/kg
INORG	Copper	CU	SEDIMENT	BA(i)	Updated Value	Corrected TRV.	130	920	mg/kg
INORG	Copper	CU	SOIL	AR(i)	Updated Value	New GMM TRV.	24	25	mg/kg
INORG	Copper	CU	SOIL	AR(p)	Updated Value	New GMM TRV.	16	17	mg/kg
INORG	Copper	CU	SOIL	DC(p)	Updated Value	Corrected TRV.	130	930	mg/kg
INORG	Copper	CU	SOIL	DM(ip)	Updated Value	Corrected TRV.	76	530	mg/kg
INORG	Copper	CU	SOIL	RF(f)	Updated Value	Corrected TRV.	3900	27000	mg/kg
INORG	Copper	CU	SOIL	VS(i)	Updated Value	Corrected TRV.	75	520	mg/kg
INORG	Copper	CU	WATER	BA(w)	Updated Value	Corrected TRV.	32000	220000	µg/L
INORG	Copper	CU	WATER	DC(w)	Updated Value	Corrected TRV.	52000	360000	µg/L
INORG	Copper	CU	WATER	DM(w)	Updated Value	Corrected TRV.	26000	180000	µg/L
INORG	Copper	CU	WATER	RF(w)	Updated Value	Corrected TRV.	59000	410000	µg/L
INORG	Copper	CU	WATER	VS(w)	Updated Value	Corrected TRV.	22000	160000	µg/L
INORG	Lead	PB	SEDIMENT	VGS(i)	Updated Value	New EcoSSL TRV.	33	320	mg/kg
INORG	Lead	PB	SOIL	AK(f)	Updated Value	New EcoSSL TRV.	800	7800	mg/kg
INORG	Lead	PB	SOIL	AK(fi)	Updated Value	New EcoSSL TRV.	140	1400	mg/kg
INORG	Lead	PB	SOIL	AR(i)	Updated Value	New EcoSSL TRV.	16	150	mg/kg
INORG	Lead	PB	SOIL	AR(ip)	Updated Value	New EcoSSL TRV.	21	200	mg/kg
INORG	Lead	PB	SOIL	AR(p)	Updated Value	New EcoSSL TRV.	30	300	mg/kg
INORG	Lead	PB	SOIL	EW	Updated Value	New EcoSSL TRV.	1700	2000	mg/kg
INORG	Lead	PB	SOIL	GP	Updated Value	New EcoSSL TRV.	210	520	mg/kg
INORG	Lead	PB	WATER	BA(w)	Updated Value	New GMM TRV.	6100	36000	µg/L
INORG	Lead	PB	WATER	DC(w)	Updated Value	New GMM TRV.	10000	59000	µg/L
INORG	Lead	PB	WATER	DM(w)	Updated Value	New GMM TRV.	5100	30000	µg/L
INORG	Lead	PB	WATER	RF(w)	Updated Value	New GMM TRV.	11000	67000	µg/L
INORG	Lead	PB	WATER	VS(w)	Updated Value	New GMM TRV.	4300	26000	µg/L
INORG	Mercury (inorganic)	HGI	SEDIMENT	VGS(i)	Updated Value	Revised TRV.	0.29	1.1	mg/kg
INORG	Mercury (inorganic)	HGI	SOIL	AK(f)	Updated Value	Revised TRV.	3.1	12	mg/kg
INORG	Mercury (inorganic)	HGI	SOIL	AK(fi)	Updated Value	Revised TRV.	1.1	4.6	mg/kg
INORG	Mercury (inorganic)	HGI	SOIL	AR(i)	Updated Value	Revised TRV.	0.15	0.61	mg/kg
INORG	Mercury (inorganic)	HGI	SOIL	AR(ip)	Updated Value	Revised TRV.	0.22	0.87	mg/kg
INORG	Mercury (inorganic)	HGI	SOIL	AR(p)	Updated Value	Revised TRV.	0.38	1.4	mg/kg
INORG	Mercury (inorganic)	HGI	WATER	AK(w)	Updated Value	Revised TRV.	150	610	µg/L

Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	Type Of Change	Reason	New ESL	Previous ESL	Units
INORG	Mercury (inorganic)	HGI	WATER	AQ(w)	Updated Value	Revised TRV.	0.77	1.3	µg/L
INORG	Mercury (inorganic)	HGI	WATER	AR(w)	Updated Value	Revised TRV.	130	520	µg/L
INORG	Mercury (inorganic)	HGI	WATER	VGS(w)	Updated Value	Revised TRV.	78	300	µg/L
INORG	Nickel	NI	SEDIMENT	BA(i)	Updated Value	New GMM TRV.	2200	3.5	mg/kg
INORG	Nickel	NI	SEDIMENT	VGS(i)	Updated Value	New GMM TRV.	680	870	mg/kg
INORG	Nickel	NI	SOIL	AK(f)	Updated Value	New GMM TRV.	10000	13000	mg/kg
INORG	Nickel	NI	SOIL	AK(fi)	Updated Value	New GMM TRV.	2700	3500	mg/kg
INORG	Nickel	NI	SOIL	AR(i)	Updated Value	New GMM TRV.	270	350	mg/kg
INORG	Nickel	NI	SOIL	AR(ip)	Updated Value	New GMM TRV.	340	440	mg/kg
INORG	Nickel	NI	SOIL	AR(p)	Updated Value	New GMM TRV.	460	580	mg/kg
INORG	Nickel	NI	SOIL	DC(p)	Updated Value	New GMM TRV.	8700	13	mg/kg
INORG	Nickel	NI	SOIL	DM(ip)	Updated Value	New GMM TRV.	2300	3.6	mg/kg
INORG	Nickel	NI	SOIL	RF(f)	Updated Value	New GMM TRV.	34000	53	mg/kg
INORG	Nickel	NI	SOIL	VS(i)	Updated Value	New GMM TRV.	980	1.5	mg/kg
INORG	Selenium	SE	WATER	AQ(w)	Updated Value	New EPA NRWQC CCC.	5	2	µg/L
INORG	Uranium	U	SEDIMENT	VGS(i)	Updated Value	Corrected TRV.	290	29	mg/kg
INORG	Uranium	U	SOIL	AK(f)	Updated Value	Corrected TRV.	39000	3900	mg/kg
INORG	Uranium	U	SOIL	AK(fi)	Updated Value	Corrected TRV.	1500	150	mg/kg
INORG	Uranium	U	SOIL	AR(i)	Updated Value	Corrected TRV.	200	20	mg/kg
INORG	Uranium	U	SOIL	AR(ip)	Updated Value	Corrected TRV.	360	36	mg/kg
INORG	Uranium	U	SOIL	AR(p)	Updated Value	Corrected TRV.	1900	190	mg/kg
INORG	Uranium	U	WATER	AK(w)	Updated Value	Corrected TRV.	650000	65000	µg/L
INORG	Uranium	U	WATER	AR(w)	Updated Value	Corrected TRV.	550000	55000	µg/L
INORG	Uranium	U	WATER	VGS(w)	Updated Value	Corrected TRV.	320000	32000	µg/L
INORG	Zinc	ZN	SEDIMENT	BA(i)	Updated Value	Corrected TRV.	230	0.25	mg/kg
INORG	Zinc	ZN	SEDIMENT	VGS(i)	Updated Value	New GMM TRV.	41	130	mg/kg
INORG	Zinc	ZN	SOIL	AK(f)	Updated Value	New GMM TRV.	1500	4900	mg/kg
INORG	Zinc	ZN	SOIL	AK(fi)	Updated Value	New GMM TRV.	200	660	mg/kg
INORG	Zinc	ZN	SOIL	AR(i)	Updated Value	New GMM TRV.	30	97	mg/kg
INORG	Zinc	ZN	SOIL	AR(ip)	Updated Value	New GMM TRV.	42	130	mg/kg
INORG	Zinc	ZN	SOIL	AR(p)	Updated Value	New GMM TRV.	67	210	mg/kg
INORG	Zinc	ZN	SOIL	DC(p)	Updated Value	Corrected TRV.	910	1	mg/kg
INORG	Zinc	ZN	SOIL	DM(ip)	Updated Value	Corrected TRV.	250	0.28	mg/kg
INORG	Zinc	ZN	SOIL	EW	Updated Value	New GMM TRV.	190	350	mg/kg
INORG	Zinc	ZN	SOIL	RF(f)	Updated Value	Corrected TRV.	11000	12	mg/kg
INORG	Zinc	ZN	SOIL	VS(i)	Updated Value	Corrected TRV.	180	0.19	mg/kg

Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	Type Of Change	Reason	New ESL	Previous ESL	Units
INORG	Zinc	ZN	WATER	BA(w)	Updated Value	Corrected TRV.	790000	860	µg/L
INORG	Zinc	ZN	WATER	DC(w)	Updated Value	Corrected TRV.	1200000	1400	µg/L
INORG	Zinc	ZN	WATER	DM(w)	Updated Value	Corrected TRV.	660000	720	µg/L
INORG	Zinc	ZN	WATER	RF(w)	Updated Value	Corrected TRV.	1400000	1500	µg/L
INORG	Zinc	ZN	WATER	VS(w)	Updated Value	Corrected TRV.	560000	610	µg/L
PCB	Aroclor-1016	12674-11-2	SEDIMENT	BA(i)	Updated Value	New GMM TRV.	1.3	0.032	mg/kg
PCB	Aroclor-1016	12674-11-2	SOIL	DC(p)	Updated Value	New GMM TRV.	29	0.69	mg/kg
PCB	Aroclor-1016	12674-11-2	SOIL	DM(ip)	Updated Value	New GMM TRV.	2	0.047	mg/kg
PCB	Aroclor-1016	12674-11-2	SOIL	RF(f)	Updated Value	New GMM TRV.	46	1	mg/kg
PCB	Aroclor-1016	12674-11-2	SOIL	VS(i)	Updated Value	New GMM TRV.	1	0.025	mg/kg
PCB	Aroclor-1242	53469-21-9	SEDIMENT	BA(i)	Updated Value	New GMM TRV.	0.48	0.086	mg/kg
PCB	Aroclor-1242	53469-21-9	SOIL	DC(p)	Updated Value	New GMM TRV.	10	1.8	mg/kg
PCB	Aroclor-1242	53469-21-9	SOIL	DM(ip)	Updated Value	New GMM TRV.	0.72	0.12	mg/kg
PCB	Aroclor-1242	53469-21-9	SOIL	RF(f)	Updated Value	New GMM TRV.	16	2.9	mg/kg
PCB	Aroclor-1242	53469-21-9	SOIL	VS(i)	Updated Value	New GMM TRV.	0.38	0.068	mg/kg
PCB	Aroclor-1254	11097-69-1	SEDIMENT	BA(i)	Updated Value	New GMM TRV for non-carnivores.	0.56	0.028	mg/kg
PCB	Aroclor-1254	11097-69-1	SOIL	DC(p)	Updated Value	New GMM TRV for non-carnivores.	56	2.8	mg/kg
PCB	Aroclor-1254	11097-69-1	SOIL	DM(ip)	Updated Value	New GMM TRV for non-carnivores.	0.88	0.045	mg/kg
PCB	Aroclor-1254	11097-69-1	SOIL	GP	Updated Value	New GMM TRV.	160	10	mg/kg
PCB	Aroclor-1254	11097-69-1	SOIL	VS(i)	Updated Value	New GMM TRV for non-carnivores.	0.44	0.022	mg/kg
PCB	Aroclor-1260	11096-82-5	SEDIMENT	BA(i)	Updated Value	New GMM TRV for non-carnivores.	12	6.3	mg/kg
PCB	Aroclor-1260	11096-82-5	SEDIMENT	VGS(i)	Updated Value	New GMM TRV.	1.1	0.58	mg/kg
PCB	Aroclor-1260	11096-82-5	SOIL	AK(f)	Updated Value	New GMM TRV.	4.6	2.2	mg/kg
PCB	Aroclor-1260	11096-82-5	SOIL	AK(fi)	Updated Value	New GMM TRV.	3.7	1.8	mg/kg
PCB	Aroclor-1260	11096-82-5	SOIL	AR(i)	Updated Value	New GMM TRV.	0.88	0.44	mg/kg
PCB	Aroclor-1260	11096-82-5	SOIL	AR(ip)	Updated Value	New GMM TRV.	1.7	0.86	mg/kg
PCB	Aroclor-1260	11096-82-5	SOIL	AR(p)	Updated Value	New GMM TRV.	31	15	mg/kg
PCB	Aroclor-1260	11096-82-5	SOIL	DC(p)	Updated Value	New GMM TRV for non-carnivores.	1300	660	mg/kg
PCB	Aroclor-1260	11096-82-5	SOIL	DM(ip)	Updated Value	New GMM TRV for non-carnivores.	20	10	mg/kg
PCB	Aroclor-1260	11096-82-5	SOIL	RF(f)	Updated Value	Revised TRV for carnivores.	0.14	32	mg/kg
PCB	Aroclor-1260	11096-82-5	SOIL	VS(i)	Updated Value	New GMM TRV for non-carnivores.	10	5	mg/kg
PCB	Aroclor-1260	11096-82-5	WATER	BA(w)	Updated Value	Revised TRV.	190	43000	µg/L
PCB	Aroclor-1260	11096-82-5	WATER	DC(w)	Updated Value	Revised TRV.	310	71000	µg/L
PCB	Aroclor-1260	11096-82-5	WATER	DM(w)	Updated Value	Revised TRV.	160	36000	µg/L
PCB	Aroclor-1260	11096-82-5	WATER	RF(w)	Updated Value	Revised TRV.	360	80000	µg/L
PCB	Aroclor-1260	11096-82-5	WATER	VS(w)	Updated Value	Revised TRV.	130	30000	µg/L

Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	Type Of Change	Reason	New ESL	Previous ESL	Units
PEST	DDE[4,4'-]	72-55-9	SEDIMENT	VGS(i)	Updated Value	New subset GMM TRV.	0.042	0.0035	mg/kg
PEST	DDE[4,4'-]	72-55-9	SOIL	AK(f)	Updated Value	New subset GMM TRV.	0.09	0.0074	mg/kg
PEST	DDE[4,4'-]	72-55-9	SOIL	AK(fi)	Updated Value	New subset GMM TRV.	0.1	0.0083	mg/kg
PEST	DDE[4,4'-]	72-55-9	SOIL	AR(i)	Updated Value	New subset GMM TRV.	0.032	0.0026	mg/kg
PEST	DDE[4,4'-]	72-55-9	SOIL	AR(ip)	Updated Value	New subset GMM TRV.	0.063	0.0052	mg/kg
PEST	DDE[4,4'-]	72-55-9	SOIL	AR(p)	Updated Value	New subset GMM TRV.	1.5	0.13	mg/kg
PEST	DDE[4,4'-]	72-55-9	WATER	AK(w)	Updated Value	Corrected TRV.	1000	59	µg/L
PEST	DDE[4,4'-]	72-55-9	WATER	AR(w)	Updated Value	Corrected TRV.	920	50	µg/L
PEST	DDE[4,4'-]	72-55-9	WATER	VGS(w)	Updated Value	Corrected TRV.	530	29	µg/L
PEST	DDT[4,4'-]	50-29-3	SEDIMENT	BA(i)	Updated Value	New GMM TRV.	0.89	1.3	mg/kg
PEST	DDT[4,4'-]	50-29-3	SEDIMENT	VGS(i)	Updated Value	Corrected TRV.	0.11	0.0035	mg/kg
PEST	DDT[4,4'-]	50-29-3	SOIL	AK(f)	Updated Value	Corrected TRV.	0.31	0.0092	mg/kg
PEST	DDT[4,4'-]	50-29-3	SOIL	AK(fi)	Updated Value	Corrected TRV.	0.31	0.0093	mg/kg
PEST	DDT[4,4'-]	50-29-3	SOIL	AR(i)	Updated Value	Corrected TRV.	0.09	0.0026	mg/kg
PEST	DDT[4,4'-]	50-29-3	SOIL	AR(ip)	Updated Value	Corrected TRV.	0.17	0.0052	mg/kg
PEST	DDT[4,4'-]	50-29-3	SOIL	AR(p)	Updated Value	Corrected TRV.	4.1	0.12	mg/kg
PEST	DDT[4,4'-]	50-29-3	SOIL	DC(p)	Updated Value	New GMM TRV.	130	200	mg/kg
PEST	DDT[4,4'-]	50-29-3	SOIL	DM(ip)	Updated Value	New GMM TRV.	1.4	2.1	mg/kg
PEST	DDT[4,4'-]	50-29-3	SOIL	RF(f)	Updated Value	New GMM TRV.	3	4.6	mg/kg
PEST	DDT[4,4'-]	50-29-3	SOIL	VS(i)	Updated Value	New GMM TRV.	0.71	1	mg/kg
PEST	DDT[4,4'-]	50-29-3	WATER	AK(w)	Updated Value	Corrected TRV.	2000	59	µg/L
PEST	DDT[4,4'-]	50-29-3	WATER	AR(w)	Updated Value	Corrected TRV.	1700	50	µg/L
PEST	DDT[4,4'-]	50-29-3	WATER	VGS(w)	Updated Value	Corrected TRV.	990	29	µg/L
PEST	Dieldrin	60-57-1	SEDIMENT	BA(i)	Updated Value	New EcoSSL TRV.	0.039	0.052	mg/kg
PEST	Dieldrin	60-57-1	SOIL	AK(f)	Updated Value	New EcoSSL TRV.	0.96	0.94	mg/kg
PEST	Dieldrin	60-57-1	SOIL	AK(fi)	Updated Value	New EcoSSL TRV.	0.49	0.48	mg/kg
PEST	Dieldrin	60-57-1	SOIL	AR(i)	Updated Value	New EcoSSL TRV.	0.091	0.089	mg/kg
PEST	Dieldrin	60-57-1	SOIL	AR(p)	Updated Value	New EcoSSL TRV.	0.8	0.78	mg/kg
PEST	Dieldrin	60-57-1	SOIL	DC(p)	Updated Value	New EcoSSL TRV.	0.83	1.1	mg/kg
PEST	Dieldrin	60-57-1	SOIL	DM(ip)	Updated Value	New EcoSSL TRV.	0.058	0.078	mg/kg
PEST	Dieldrin	60-57-1	SOIL	RF(f)	Updated Value	New EcoSSL TRV.	0.4	0.53	mg/kg
PEST	Dieldrin	60-57-1	SOIL	VS(i)	Updated Value	New EcoSSL TRV.	0.03	0.04	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	SEDIMENT	BA(i)	Updated Value	New GMM TRV.	3800	1700	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	SOIL	DC(p)	Updated Value	New GMM TRV.	40000	18000	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	SOIL	DM(ip)	Updated Value	New GMM TRV.	5300	2300	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	SOIL	GP	Updated Value	New GMM TRV.	160	200	mg/kg

Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	Type Of Change	Reason	New ESL	Previous ESL	Units
SVOC	Di-n-Butyl Phthalate	84-74-2	SOIL	RF(f)	Updated Value	New GMM TRV.	77000	34000	mg/kg
SVOC	Di-n-Butyl Phthalate	84-74-2	SOIL	VS(i)	Updated Value	New GMM TRV.	2900	1300	mg/kg

- **Final ESL Updates**

Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Designation	Type Of Change	Reason	New Final ESL Screening Receptor	New Final ESL	Previous Final ESL Screening Receptor	Previous Final ESL	Units
HE	Trinitrotoluene[2,4,6-]	118-96-7	SOIL	FINAL	Increase	TRV changed.	AR(p)	5.5	GP	0.7	mg/kg
INORG	Aluminum	AL	SOIL	FINAL	Deletion	TRV changed.	N/A		GP	5	mg/kg
INORG	Antimony	SB	SOIL	FINAL	Increase	TRV changed.	GP	0.05	VS(i)	0.016	mg/kg
INORG	Antimony	SB	WATER	FINAL	Increase	TRV changed.	AQ(w)	100	VS(w)	15	µg/L
INORG	Barium	BA	SEDIMENT	FINAL	Increase	TRV changed.	AQ(s)	48	BA(i)	3.4	mg/kg
INORG	Barium	BA	SOIL	FINAL	Increase	TRV changed.	GP	100	VS(i)	2.5	mg/kg
INORG	Beryllium	BE	SOIL	FINAL	Decrease	TRV changed.	VS(i)	2.4	GP	2.5	mg/kg
INORG	Boron	B	SEDIMENT	FINAL	Decrease	TRV changed.	VGS(i)	10	BA(i)	170	mg/kg
INORG	Boron	B	SOIL	FINAL	Decrease	TRV changed.	AR(p)	2	GP	10	mg/kg
INORG	Cadmium	CD	SEDIMENT	FINAL	Increase	TRV changed.	AQ(s)	0.59	BA(i)	0.006	mg/kg
INORG	Cobalt	CO	SOIL	FINAL	Increase	TRV changed.	GP	13	AR(i)	0.051	mg/kg
INORG	Lead	PB	SEDIMENT	FINAL	Decrease	TRV changed.	VGS(i)	33	AQ(s)	34	mg/kg
INORG	Lead	PB	SOIL	FINAL	Decrease	TRV changed.	AR(i)	16	VS(i)	100	mg/kg
INORG	Nickel	NI	SEDIMENT	FINAL	Increase	TRV changed.	AQ(s)	39	BA(i)	3.5	mg/kg
INORG	Nickel	NI	SOIL	FINAL	Increase	TRV changed.	GP	20	VS(i)	1.5	mg/kg
INORG	Uranium	U	SEDIMENT	FINAL	Increase	TRV changed.	BA(i)	38	VGS(i)	29	mg/kg
INORG	Uranium	U	SOIL	FINAL	Increase	TRV changed.	GP	25	AR(i)	20	mg/kg
INORG	Zinc	ZN	SEDIMENT	FINAL	Increase	TRV	VGS(i)	41	BA(i)	0.25	mg/kg

Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Designation	Type Of Change	Reason	New Final ESL Screening Receptor	New Final ESL	Previous Final ESL Screening Receptor	Previous Final ESL	Units
						changed.					
INORG	Zinc	ZN	SOIL	FINAL	Increase	TRV changed.	GP	10	VS(i)	0.19	mg/kg
PCB	Aroclor-1254	11097-69-1	SEDIMENT	FINAL	Increase	TRV changed.	AQ(s)	0.031	BA(i)	0.028	mg/kg
PCB	Aroclor-1254	11097-69-1	SOIL	FINAL	Increase	TRV changed.	AR(i)	0.041	VS(i)	0.022	mg/kg
PCB	Aroclor-1260	11096-82-5	SOIL	FINAL	Decrease	TRV changed.	RF(f)	0.14	AR(i)	0.44	mg/kg

- **New TRVs**

TRV Selected For Use	Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	Type Of Change	Reason	New Value	Units
NO	HE	HMX	2691-41-0	SEDIMENT	M	New Value	New GMM TRV.	342	mg/kg/d
NO	HE	HMX	2691-41-0	SOIL	M	New Value	New GMM TRV.	342	mg/kg/d
NO	INORG	Barium	BA	WATER	M	New Value	New GMM TRV.	3.56	mg/kg/d
NO	INORG	Boron	B	SEDIMENT	B	New Value	New GMM TRV.	2.92	mg/kg/d
NO	INORG	Boron	B	SOIL	B	New Value	New GMM TRV.	2.92	mg/kg/d
NO	INORG	Mercury (inorganic)	HGI	SEDIMENT	B	New Value	New GMM TRV.	0.297	mg/kg/d
NO	INORG	Mercury (inorganic)	HGI	SOIL	B	New Value	New GMM TRV.	0.297	mg/kg/d
NO	INORG	Zinc	ZN	SOIL	P	New Value	New GMM TRV.	89.4	mg/kg
NO	PCB	Aroclor-1248	12672-29-6	SEDIMENT	B	New Value	New GMM TRV.	2.93	mg/kg/d
NO	PCB	Aroclor-1248	12672-29-6	SOIL	B	New Value	New GMM TRV.	2.93	mg/kg/d
NO	PCB	Aroclor-1254	11097-69-1	SEDIMENT	B	New Value	New GMM TRV.	1.44	mg/kg/d
NO	PCB	Aroclor-1254	11097-69-1	SOIL	B	New Value	New GMM TRV.	1.44	mg/kg/d
NO	PEST	DDT[4,4'-]	50-29-3	SEDIMENT	B	New Value	New GMM TRV.	1.68	mg/kg/d
NO	PEST	DDT[4,4'-]	50-29-3	SOIL	B	New Value	New GMM TRV.	1.68	mg/kg/d
YES	D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SEDIMENT	M	New Value	New GMM TRV.	0.000000562	mg/kg/d
YES	D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	M	New Value	New GMM TRV.	0.000000562	mg/kg/d
YES	HE	RDX	121-82-4	SEDIMENT	M	New Value	New GMM TRV.	8.94	mg/kg/d
YES	HE	RDX	121-82-4	SOIL	M	New Value	New GMM TRV.	8.94	mg/kg/d
YES	INORG	Aluminum	AL	SOIL	B	New Value	New EcoSSL TRV is based on site soil pH being less than 5.5.		mg/kg
YES	INORG	Aluminum	AL	SOIL	M	New Value	New EcoSSL TRV is based on site soil pH being less than 5.5.		mg/kg
YES	INORG	Aluminum	AL	SOIL	P	New Value	New EcoSSL TRV is based on site soil pH being less than 5.5.		mg/kg
YES	INORG	Aluminum	AL	WATER	AQ(w)	New Value	New NRWQC CCC	87	µg/L
YES	INORG	Antimony	SB	SEDIMENT	M	New Value	New EcoSSL TRV.	0.06	mg/kg/d
YES	INORG	Antimony	SB	SOIL	I	New Value	New EcoSSL TRV.	78	mg/kg
YES	INORG	Antimony	SB	SOIL	M	New Value	New EcoSSL TRV.	0.06	mg/kg/d
YES	INORG	Antimony	SB	WATER	M	New Value	New GMM TRV.	0.154	mg/kg/d
YES	INORG	Barium	BA	SEDIMENT	B	New Value	New GMM TRV.	73.5	mg/kg/d
YES	INORG	Barium	BA	SEDIMENT	M	New Value	New EcoSSL TRV.	52	mg/kg/d
YES	INORG	Barium	BA	SOIL	B	New Value	New GMM TRV.	73.5	mg/kg/d
YES	INORG	Barium	BA	SOIL	I	New Value	New EcoSSL TRV.	330	mg/kg
YES	INORG	Barium	BA	SOIL	M	New Value	New EcoSSL TRV.	52	mg/kg/d

TRV Selected For Use	Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	Type Of Change	Reason	New Value	Units
YES	INORG	Beryllium	BE	SEDIMENT	M	New Value	New EcoSSL TRV.	0.53	mg/kg/d
YES	INORG	Beryllium	BE	SOIL	I	New Value	New EcoSSL TRV.	40	mg/kg
YES	INORG	Beryllium	BE	SOIL	M	New Value	New EcoSSL TRV.	0.53	mg/kg/d
YES	INORG	Boron	B	SOIL	P	New Value	New subset GMM TRV.	36.8	mg/kg
YES	INORG	Cadmium	CD	SEDIMENT	B	New Value	New EcoSSL TRV.	1.7	mg/kg/d
YES	INORG	Cadmium	CD	SEDIMENT	M	New Value	New EcoSSL TRV.	0.77	mg/kg/d
YES	INORG	Cadmium	CD	SOIL	B	New Value	New EcoSSL TRV.	1.7	mg/kg/d
YES	INORG	Cadmium	CD	SOIL	I	New Value	New EcoSSL TRV.	150	mg/kg
YES	INORG	Cadmium	CD	SOIL	M	New Value	New EcoSSL TRV.	0.77	mg/kg/d
YES	INORG	Cadmium	CD	SOIL	P	New Value	New EcoSSL TRV.	29	mg/kg
YES	INORG	Cadmium	CD	WATER	M	New Value	New GMM TRV.	1.08	mg/kg/d
YES	INORG	Cobalt	CO	SEDIMENT	B	New Value	New EcoSSL TRV.	7.6	mg/kg/d
YES	INORG	Cobalt	CO	SEDIMENT	M	New Value	New EcoSSL TRV.	7.3	mg/kg/d
YES	INORG	Cobalt	CO	SOIL	B	New Value	New EcoSSL TRV.	7.6	mg/kg/d
YES	INORG	Cobalt	CO	SOIL	M	New Value	New EcoSSL TRV.	7.3	mg/kg/d
YES	INORG	Cobalt	CO	SOIL	P	New Value	New EcoSSL TRV.	13	mg/kg
YES	INORG	Copper	CU	SEDIMENT	B	New Value	New GMM TRV.	2.98	mg/kg/d
YES	INORG	Copper	CU	SOIL	B	New Value	New GMM TRV.	2.98	mg/kg/d
YES	INORG	Cyanide (total)	CN(-1)	WATER	AQ(w)	New Value	New NRWQC CCC.	5.2	µg/L
YES	INORG	Lead	PB	SEDIMENT	B	New Value	New EcoSSL TRV.	1.6	mg/kg/d
YES	INORG	Lead	PB	SEDIMENT	M	New Value	New EcoSSL TRV.	5.8	mg/kg/d
YES	INORG	Lead	PB	SOIL	B	New Value	New EcoSSL TRV.	1.6	mg/kg/d
YES	INORG	Lead	PB	SOIL	I	New Value	New EcoSSL TRV.	1700	mg/kg
YES	INORG	Lead	PB	SOIL	M	New Value	New EcoSSL TRV.	5.8	mg/kg/d
YES	INORG	Lead	PB	SOIL	P	New Value	New EcoSSL TRV.	210	mg/kg
YES	INORG	Lead	PB	WATER	M	New Value	New GMM TRV.	0.971	mg/kg/d
YES	INORG	Mercury (inorganic)	HGI	WATER	AQ(w)	New Value	New EPA NRWQC CCC.	0.77	µg/L
YES	INORG	Nickel	NI	SEDIMENT	B	New Value	New GMM TRV.	21.9	mg/kg/d
YES	INORG	Nickel	NI	SEDIMENT	M	New Value	New GMM TRV.	43.9	mg/kg/d
YES	INORG	Nickel	NI	SOIL	B	New Value	New GMM TRV.	21.9	mg/kg/d
YES	INORG	Nickel	NI	SOIL	M	New Value	New GMM TRV.	43.9	mg/kg/d
YES	INORG	Selenium	SE	WATER	AQ(w)	New Value	New EPA NRWQC CCC.	5	µg/L
YES	INORG	Zinc	ZN	SEDIMENT	B	New Value	New GMM TRV.	37.7	mg/kg/d
YES	INORG	Zinc	ZN	SOIL	B	New Value	New GMM TRV.	37.7	mg/kg/d
YES	INORG	Zinc	ZN	SOIL	I	New Value	New GMM TRV.	193	mg/kg
YES	PCB	Aroclor-1016	12674-11-2	SEDIMENT	M	New Value	New GMM TRV.	1.49	mg/kg/d

TRV Selected For Use	Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	Type Of Change	Reason	New Value	Units
YES	PCB	Aroclor-1016	12674-11-2	SOIL	M	New Value	New GMM TRV.	1.49	mg/kg/d
YES	PCB	Aroclor-1242	53469-21-9	SEDIMENT	M	New Value	New GMM TRV.	0.532	mg/kg/d
YES	PCB	Aroclor-1242	53469-21-9	SOIL	M	New Value	New GMM TRV.	0.532	mg/kg/d
YES	PCB	Aroclor-1254	11097-69-1	SEDIMENT	M	New Value	New GMM TRV for non-carnivores.	0.611	mg/kg/d
YES	PCB	Aroclor-1254	11097-69-1	SOIL	M	New Value	New GMM TRV for non-carnivores.	0.611	mg/kg/d
YES	PCB	Aroclor-1254	11097-69-1	SOIL	P	New Value	New GMM TRV.	163	mg/kg
YES	PCB	Aroclor-1260	11096-82-5	SEDIMENT	B	New Value	New GMM TRV.	2.15	mg/kg/d
YES	PCB	Aroclor-1260	11096-82-5	SEDIMENT	M	New Value	New GMM TRV for non-carnivores.	13.8	mg/kg/d
YES	PCB	Aroclor-1260	11096-82-5	SOIL	B	New Value	New GMM TRV.	2.15	mg/kg/d
YES	PCB	Aroclor-1260	11096-82-5	SOIL	M	New Value	New GMM TRV for non-carnivores.	13.8	mg/kg/d
YES	PEST	DDE[4,4'-]	72-55-9	SEDIMENT	B	New Value	New subset GMM TRV.	0.086	mg/kg/d
YES	PEST	DDE[4,4'-]	72-55-9	SOIL	B	New Value	New subset GMM TRV.	0.086	mg/kg/d
YES	PEST	DDT[4,4'-]	50-29-3	SEDIMENT	M	New Value	New GMM TRV.	1.07	mg/kg/d
YES	PEST	DDT[4,4'-]	50-29-3	SOIL	M	New Value	New GMM TRV.	1.07	mg/kg/d
YES	PEST	Dieldrin	60-57-1	SEDIMENT	B	New Value	New EcoSSL TRV.	0.079	mg/kg/d
YES	PEST	Dieldrin	60-57-1	SEDIMENT	M	New Value	New EcoSSL TRV.	0.015	mg/kg/d
YES	PEST	Dieldrin	60-57-1	SOIL	B	New Value	New EcoSSL TRV.	0.079	mg/kg/d
YES	PEST	Dieldrin	60-57-1	SOIL	M	New Value	New EcoSSL TRV.	0.015	mg/kg/d
YES	SVOC	Di-n-Butyl Phthalate	84-74-2	SEDIMENT	M	New Value	New GMM TRV.	1340	mg/kg/d
YES	SVOC	Di-n-Butyl Phthalate	84-74-2	SOIL	M	New Value	New GMM TRV.	1340	mg/kg/d
YES	SVOC	Di-n-Butyl Phthalate	84-74-2	SOIL	P	New Value	New GMM TRV.	167	mg/kg

- **Updated TRVs**

TRV Selected For Use	Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor Group	Type Of Change	Reason	Previous Value	New Value	Units
N/A	HE	Trinitrotoluene[2,4,6-]	118-96-7	SOIL	I	Deleted Value	Revision. Only one study available and in this study the toxicity of TNT in the exposure medium was confounded by the presence of other chemicals, so the TRV was withdrawn.	0.7		mg/kg
NO	INORG	Aluminum	AL	SEDIMENT	B	Updated Value	Data quality assurance. Corrected data entry error from source document (Ref ID 0716).	1.65	100	mg/kg/d
NO	INORG	Aluminum	AL	SOIL	B	Updated Value	Data quality assurance. Corrected data entry error from source document (Ref ID 0716).	1.65	100	mg/kg/d
NO	INORG	Antimony	SB	SEDIMENT	M	Updated Value	Data quality assurance. Corrected previous miscalculation of dose parameter used to calculate the effect level. As a result of this correction a different effect level was selected from the data set to represent the TRV.	0.0035	0.03	mg/kg/d
NO	INORG	Antimony	SB	SOIL	M	Updated Value	Data quality assurance. Corrected previous miscalculation of dose	0.0035	0.03	mg/kg/d

TRV Selected For Use	Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor Group	Type Of Change	Reason	Previous Value	New Value	Units
							parameter used to calculate the effect level. As a result of this correction a different effect level was selected from the data set to represent the TRV.			
NO	INORG	Antimony	SB	WATER	M	Updated Value	Data quality assurance. Corrected previous miscalculation of dose parameter used to calculate the effect level. As a result of this correction a different effect level was selected from the data set to represent the TRV.	0.0035	0.03	mg/kg/d
NO	INORG	Barium	BA	SEDIMENT	M	Updated Value	Revision. Change was based on using a different endpoint more representative of the form of barium found in the environment to represent the TRV.	0.55	1.38	mg/kg/d
NO	INORG	Barium	BA	SOIL	M	Updated Value	Revision. Change was based on using a different endpoint more representative of the form of barium found in the environment to represent the TRV.	0.55	1.38	mg/kg/d
NO	INORG	Cadmium	CD	SEDIMENT	B	Updated Value	Data quality assurance. Corrected previous misinterpretation of statistics for one endpoint. As a result of this correction a different endpoint was selected to represent the TRV.	0.0153	1.45	mg/kg/d
NO	INORG	Cadmium	CD	SOIL	B	Updated Value	Data quality assurance. Corrected previous misinterpretation of statistics for one endpoint. As a result of this correction a different endpoint was selected to represent the TRV.	0.0153	1.45	mg/kg/d
NO	PCB	Aroclor-1260	11096-82-5	SEDIMENT	M	Updated Value	Revision. Changed TRV to Aroclor 1254 TRV of 0.031 because this value was considered to be more protective of reproduction in carnivores.	6.9	0.031	mg/kg/d
NO	PEST	DDE[4,4'-]	72-55-9	SEDIMENT	B	Updated Value	Data quality assurance. Corrected dose rate parameters used to calculate TRV.	0.0071	0.13	mg/kg/d
NO	PEST	DDE[4,4'-]	72-55-9	SOIL	B	Updated Value	Data quality assurance. Corrected dose rate parameters used to calculate TRV.	0.0071	0.13	mg/kg/d
NO	VOC	Xylene (Total)	1330-20-7	SEDIMENT	B	Updated Value	Data quality assurance. Corrected UF application error. UF applied is 0.01, not 0.1.	0.777	0.0777	mg/kg/d
NO	VOC	Xylene (Total)	1330-20-7	SOIL	B	Updated Value	Data quality assurance. Corrected UF application error. UF applied is 0.01, not 0.1.	0.777	0.0777	mg/kg/d
NO	VOC	Xylene (Total)	1330-20-7	WATER	B	Updated Value	Data quality assurance. Corrected UF application error. UF applied is 0.01, not 0.1.	0.777	0.0777	mg/kg/d
YES	HE	Trinitrotoluene[2,4,6-]	118-96-7	SOIL	P	Updated Value	Revision. The study the previous TRV was based on, the toxicity of TNT in the exposure medium was confounded by the presence of other chemicals. This study was removed, and only one other study remained and now represents the TRV.	0.7	80	mg/kg
YES	INORG	Barium	BA	WATER	M	Updated Value	Revision. Change was based on using a different endpoint more representative of the form of barium found in the environment to represent the TRV.	0.55	1.38	mg/kg/d
YES	INORG	Cadmium	CD	WATER	B	Updated Value	Data quality assurance. Corrected previous misinterpretation of statistics for one endpoint. As a result of this correction a different	0.0153	1.45	mg/kg/d

TRV Selected For Use	Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor Group	Type Of Change	Reason	Previous Value	New Value	Units
							endpoint was selected to represent the TRV.			
YES	INORG	Copper	CU	SEDIMENT	M	Updated Value	Data quality assurance. Corrected assignment of effect level and dose rate parameter.	35.7	5.127	mg/kg/d
YES	INORG	Copper	CU	SOIL	M	Updated Value	Data quality assurance. Corrected assignment of effect level and dose rate parameter.	35.7	5.127	mg/kg/d
YES	INORG	Copper	CU	WATER	M	Updated Value	Data quality assurance. Corrected assignment of effect level and dose rate parameter.	35.7	5.127	mg/kg/d
YES	INORG	Mercury (inorganic)	HGI	SEDIMENT	B	Updated Value	Revision. Change was based on using a different, more protective endpoint to represent the TRV.	0.074	0.019	mg/kg/d
YES	INORG	Mercury (inorganic)	HGI	SOIL	B	Updated Value	Revision. Change was based on using a different, more protective endpoint to represent the TRV.	0.074	0.019	mg/kg/d
YES	INORG	Mercury (inorganic)	HGI	WATER	B	Updated Value	Revision. Change was based on using a different, more protective endpoint to represent the TRV.	0.074	0.019	mg/kg/d
YES	INORG	Uranium	U	SEDIMENT	B	Updated Value	Data quality assurance. Corrected UF applied from 0.1 to none.	7.8	78	mg/kg/d
YES	INORG	Uranium	U	SOIL	B	Updated Value	Data quality assurance. Corrected UF applied from 0.1 to none.	7.8	78	mg/kg/d
YES	INORG	Uranium	U	WATER	B	Updated Value	Data quality assurance. Corrected UF applied from 0.1 to none.	7.8	78	mg/kg/d
YES	INORG	Zinc	ZN	SEDIMENT	M	Updated Value	Data quality assurance. Corrected previous misinterpretation of dose rate calculation.	0.1375	126	mg/kg/d
YES	INORG	Zinc	ZN	SOIL	M	Updated Value	Data quality assurance. Corrected previous misinterpretation of dose rate calculation.	0.1375	126	mg/kg/d
YES	INORG	Zinc	ZN	WATER	M	Updated Value	Data quality assurance. Corrected previous misinterpretation of dose rate calculation.	0.1375	126	mg/kg/d
YES	PCB	Aroclor-1260	11096-82-5	SOIL	M	Updated Value for carnivores.	Revision. Changed TRV to Aroclor 1254 TRV of 0.031 because this value was considered to be more protective of reproduction in carnivores.	6.9	0.031	mg/kg/d
YES	PCB	Aroclor-1260	11096-82-5	WATER	M	Updated Value	Revision. Changed TRV to Aroclor 1254 TRV of 0.031 because this value was considered to be more protective of reproduction in carnivores.	6.9	0.031	mg/kg/d
YES	PEST	DDE[4,4'-]	72-55-9	WATER	B	Updated Value	Data quality assurance. Corrected dose rate parameters used to calculate TRV.	0.0071	0.13	mg/kg/d
YES	PEST	DDT[4,4'-]	50-29-3	SEDIMENT	B	Updated Value	Data quality assurance. Corrected dose rate parameters used to calculate TRV.	0.0071	0.24	mg/kg/d
YES	PEST	DDT[4,4'-]	50-29-3	SOIL	B	Updated Value	Data quality assurance. Corrected dose rate parameters used to calculate TRV.	0.0071	0.24	mg/kg/d
YES	PEST	DDT[4,4'-]	50-29-3	WATER	B	Updated Value	Data quality assurance. Corrected dose rate parameters used to calculate TRV.	0.0071	0.24	mg/kg/d

- **New PTSE TRVs**

TRV Selected For Use	Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	TRV Type	New PTSE TRV	Units
NO	HE	HMX	2691-41-0	SEDIMENT	M	Chronic GMM NOAEL	342	mg/kg/d
NO	HE	HMX	2691-41-0	SOIL	M	Chronic GMM NOAEL	342	mg/kg/d
NO	INORG	Barium	BA	WATER	M	Chronic GMM NOAEL	3.56	mg/kg/d
NO	INORG	Mercury (inorganic)	HGI	SEDIMENT	B	Chronic GMM NOAEL	0.297	mg/kg/d
NO	INORG	Mercury (inorganic)	HGI	SOIL	B	Chronic GMM NOAEL	0.297	mg/kg/d
NO	INORG	Zinc	ZN	SOIL	P	Chronic GMM NOEC	89.4	mg/kg
NO	PCB	Aroclor-1248	12672-29-6	SEDIMENT	B	Chronic GMM NOAEL	2.93	mg/kg/d
NO	PCB	Aroclor-1248	12672-29-6	SOIL	B	Chronic GMM NOAEL	2.93	mg/kg/d
NO	PCB	Aroclor-1254	11097-69-1	SEDIMENT	B	Chronic GMM NOAEL	1.44	mg/kg/d
NO	PCB	Aroclor-1254	11097-69-1	SOIL	B	Chronic GMM NOAEL	1.44	mg/kg/d
NO	PEST	DDT[4,4'-]	50-29-3	SEDIMENT	B	Chronic GMM NOAEL	1.68	mg/kg/d
NO	PEST	DDT[4,4'-]	50-29-3	SOIL	B	Chronic GMM NOAEL	1.68	mg/kg/d
YES	D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SEDIMENT	M	Chronic GMM NOAEL	0.000000562	mg/kg/d
YES	D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	SOIL	M	Chronic GMM NOAEL	0.000000562	mg/kg/d
YES	HE	RDX	121-82-4	SEDIMENT	M	Chronic GMM NOAEL	8.94	mg/kg/d
YES	HE	RDX	121-82-4	SOIL	M	Chronic GMM NOAEL	8.94	mg/kg/d
YES	INORG	Antimony	SB	WATER	M	Chronic GMM NOAEL	0.154	mg/kg/d
YES	INORG	Barium	BA	SEDIMENT	B	Chronic GMM NOAEL	73.5	mg/kg/d
YES	INORG	Barium	BA	SOIL	B	Chronic GMM NOAEL	73.5	mg/kg/d
YES	INORG	Boron	B	SEDIMENT	B	Chronic GMM NOAEL	2.92	mg/kg/d
YES	INORG	Boron	B	SOIL	B	Chronic GMM NOAEL	2.92	mg/kg/d
YES	INORG	Boron	B	SOIL	P	Chronic subset GMM NOEC	36.8	mg/kg
YES	INORG	Cadmium	CD	WATER	M	Chronic GMM NOAEL	1.08	mg/kg/d
YES	INORG	Copper	CU	SEDIMENT	B	Chronic GMM NOAEL	2.98	mg/kg/d
YES	INORG	Copper	CU	SOIL	B	Chronic GMM NOAEL	2.98	mg/kg/d
YES	INORG	Lead	PB	WATER	M	Chronic GMM NOAEL	0.971	mg/kg/d
YES	INORG	Nickel	NI	SEDIMENT	B	Chronic GMM NOAEL	21.9	mg/kg/d
YES	INORG	Nickel	NI	SEDIMENT	M	Chronic GMM NOAEL	43.9	mg/kg/d
YES	INORG	Nickel	NI	SOIL	B	Chronic GMM NOAEL	21.9	mg/kg/d
YES	INORG	Nickel	NI	SOIL	M	Chronic GMM NOAEL	43.9	mg/kg/d
YES	INORG	Zinc	ZN	SEDIMENT	B	Chronic GMM NOAEL	37.7	mg/kg/d
YES	INORG	Zinc	ZN	SOIL	B	Chronic GMM NOAEL	37.7	mg/kg/d
YES	INORG	Zinc	ZN	SOIL	I	Chronic GMM NOEC	193	mg/kg
YES	PCB	Aroclor-1016	12674-11-2	SEDIMENT	M	Chronic GMM NOAEL	1.49	mg/kg/d
YES	PCB	Aroclor-1016	12674-11-2	SOIL	M	Chronic GMM NOAEL	1.49	mg/kg/d

TRV Selected For Use	Analyte Group	Analyte Name	Analyte Code	ESL Medium	ESL Screening Receptor	TRV Type	New PTSE TRV	Units
YES	PCB	Aroclor-1242	53469-21-9	SEDIMENT	M	Chronic GMM NOAEL	0.532	mg/kg/d
YES	PCB	Aroclor-1242	53469-21-9	SOIL	M	Chronic GMM NOAEL	0.532	mg/kg/d
YES	PCB	Aroclor-1254	11097-69-1	SEDIMENT	M	Chronic GMM NOAEL	0.611	mg/kg/d
YES	PCB	Aroclor-1254	11097-69-1	SOIL	M	Chronic GMM NOAEL	0.611	mg/kg/d
YES	PCB	Aroclor-1254	11097-69-1	SOIL	P	Chronic GMM NOEC	163	mg/kg
YES	PCB	Aroclor-1260	11096-82-5	SEDIMENT	B	Chronic GMM NOAEL	2.15	mg/kg/d
YES	PCB	Aroclor-1260	11096-82-5	SEDIMENT	M	Chronic GMM NOAEL	13.8	mg/kg/d
YES	PCB	Aroclor-1260	11096-82-5	SOIL	B	Chronic GMM NOAEL	2.15	mg/kg/d
YES	PCB	Aroclor-1260	11096-82-5	SOIL	M	Chronic GMM NOAEL	13.8	mg/kg/d
YES	PEST	DDE[4,4'-]	72-55-9	SEDIMENT	B	Chronic subset GMM NOAEL	0.086	mg/kg/d
YES	PEST	DDE[4,4'-]	72-55-9	SOIL	B	Chronic subset GMM NOAEL	0.086	mg/kg/d
YES	PEST	DDT[4,4'-]	50-29-3	SEDIMENT	M	Chronic GMM NOAEL	1.07	mg/kg/d
YES	PEST	DDT[4,4'-]	50-29-3	SOIL	M	Chronic GMM NOAEL	1.07	mg/kg/d
YES	SVOC	Di-n-Butyl Phthalate	84-74-2	SEDIMENT	M	Chronic GMM NOAEL	1340	mg/kg/d
YES	SVOC	Di-n-Butyl Phthalate	84-74-2	SOIL	M	Chronic GMM NOAEL	1340	mg/kg/d
YES	SVOC	Di-n-Butyl Phthalate	84-74-2	SOIL	P	Chronic GMM NOEC	167	mg/kg

- **Other Parameter Changes**

TbChange										
ESL Parameter Or Equation	**Analyte Category**	**Analyte Group**	**Analyte Name**	**Analyte Code**	**ESL Medium**	**ESL Screening Receptor**	**Type Of Change**	**Reason**	**New Data**	**Previous Data**
ESL Model Equation	N/A	N/A	N/A	N/A	SEDIMENT	BA(i)	Updated Equation	Revision. Omitted unnecessary parentheses around TRV parameter.	ESL = TRV/ (I_food_dw * (fi * TF_invert_dw))	ESL = (TRV)/ (I_food_dw * (fi * TF_invert_dw))
ESL Model Equation	N/A	N/A	N/A	N/A	SEDIMENT	VGS(i)	Updated Equation	Revision. Omitted unnecessary parentheses around TRV parameter.	ESL = TRV/ (I_food_dw * (fi * TF_invert_dw))	ESL = (TRV)/ (I_food_dw * (fi * TF_invert_dw))
ESL Model Equation	N/A	N/A	N/A	N/A	SOIL	AK(f)	Updated Equation	Revision. Omitted unnecessary parentheses around TRV parameter.	ESL = TRV/ (I_food_dw * (fs + (ff * TF_flesh_dw)))	ESL = (TRV)/ (I_food_dw * (fs + (ff * TF_flesh_dw)))
ESL Model Equation	N/A	N/A	N/A	N/A	SOIL	AK(fi)	Updated Equation	Revision. Omitted unnecessary parentheses around TRV parameter.	ESL = TRV/ (I_food_dw * (fs + ((ff * TF_flesh_dw) + (fi * TF_invert_dw))))	ESL = (TRV)/ (I_food_dw * (fs + ((ff * TF_flesh_dw) + (fi * TF_invert_dw))))
ESL Model Equation	N/A	N/A	N/A	N/A	SOIL	RF(f)	Updated Equation	Revision. Omitted unnecessary parentheses around TRV parameter.	ESL = TRV/ (I_food_dw * (fs + (ff * TF_flesh_dw)))	ESL = (TRV)/ (I_food_dw * (fs + (ff * TF_flesh_dw)))

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference	Primary Toxicity Study Reference #
Acenaphthene	83-32-9	Aquatic (sediment)	SEDIMENT	FCV	0.62	mg/kg	0733	0001
Acenaphthene	83-32-9	Aquatic (water)	WATER	Tier I FCV	23	µg/L	0727	0001
Acenaphthene	83-32-9	Mammal	SEDIMENT	chronic NOAEL	70	mg/kg/d	0575	0588
Acenaphthene	83-32-9	Mammal	SOIL	chronic NOAEL	70	mg/kg/d	0575	0588
Acenaphthene	83-32-9	Mammal	WATER	chronic NOAEL	70	mg/kg/d	0575	0588
Acenaphthene	83-32-9	Plant	SOIL	LANL NOEC	2.5	mg/kg	0095	0257
Acenaphthylene	208-96-8	Aquatic (sediment)	SEDIMENT	ERL	0.044	mg/kg	0100	0001
Acenaphthylene	208-96-8	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Acenaphthylene	208-96-8	Mammal	SEDIMENT	chronic NOAEL	70	mg/kg/d	0575	0588
Acenaphthylene	208-96-8	Mammal	SOIL	chronic NOAEL	70	mg/kg/d	0575	0588
Acenaphthylene	208-96-8	Mammal	WATER	chronic NOAEL	70	mg/kg/d	0575	0588
Acetone	67-64-1	Aquatic (sediment)	SEDIMENT	EqP	0.065	mg/kg	0711	0001
Acetone	67-64-1	Aquatic (water)	WATER	Tier II SCV	11200	µg/L	0727	0001
Acetone	67-64-1	Bird	SEDIMENT	chronic NOAEL	19900	mg/kg/d	0903	0707
Acetone	67-64-1	Bird	SOIL	chronic NOAEL	19900	mg/kg/d	0903	0707
Acetone	67-64-1	Bird	WATER	chronic NOAEL	19900	mg/kg/d	0903	0707
Acetone	67-64-1	Mammal	SEDIMENT	chronic NOAEL	10	mg/kg/d	0344	0142
Acetone	67-64-1	Mammal	SOIL	chronic NOAEL	10	mg/kg/d	0344	0142
Acetone	67-64-1	Mammal	WATER	chronic NOAEL	10	mg/kg/d	0344	0142
Aldrin	309-00-2	Mammal	SEDIMENT	chronic NOAEL	0.2	mg/kg/d	0344	0755
Aldrin	309-00-2	Mammal	SOIL	chronic NOAEL	0.2	mg/kg/d	0344	0755
Aldrin	309-00-2	Mammal	WATER	chronic NOAEL	0.2	mg/kg/d	0344	0755
Aldrin	309-00-2	Plant	SOIL	LANL NOEC	0.5	mg/kg	0095	0001
Aluminum	AL	Aquatic (sediment)	SEDIMENT	ERM	58030	mg/kg	0747	0001
Aluminum	AL	Aquatic (water)	WATER	NM Stream STD	87	µg/L	0732	0001
Aluminum	AL	Bird	SEDIMENT	chronic NOAEL	110	mg/kg/d	0344	0439
Aluminum	AL	Bird	SOIL	chronic NOAEL	110	mg/kg/d	0344	0439
Aluminum	AL	Bird	WATER	chronic NOAEL	110	mg/kg/d	0344	0439
Aluminum	AL	Mammal	SEDIMENT	chronic NOAEL	1.93	mg/kg/d	0344	0344
Aluminum	AL	Mammal	SOIL	chronic NOAEL	1.93	mg/kg/d	0344	0344
Aluminum	AL	Mammal	WATER	chronic NOAEL	1.93	mg/kg/d	0344	0344
Aluminum	AL	Plant	SOIL	LANL NOEC	5	mg/kg	0095	0228
Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	SEDIMENT	chronic NOAEL	1.9	mg/kg/d	0104	0464
Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	SOIL	chronic NOAEL	1.9	mg/kg/d	0104	0464
Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	WATER	chronic NOAEL	1.9	mg/kg/d	0104	0464
Amino-2,6-dinitrotoluene[4-]	19406-51-0	Plant	SOIL	chronic NOEC	80	mg/kg	0715	0379
Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	SEDIMENT	chronic NOAEL	2.8	mg/kg/d	0104	0464
Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	SOIL	chronic NOAEL	2.8	mg/kg/d	0104	0464
Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	WATER	chronic NOAEL	2.8	mg/kg/d	0104	0464
Amino-4,6-dinitrotoluene[2-]	35572-78-2	Plant	SOIL	chronic NOEC	80	mg/kg	0715	0379
Anthracene	120-12-7	Aquatic (sediment)	SEDIMENT	EqP	0.00039	mg/kg	0711	0001
Anthracene	120-12-7	Aquatic (water)	WATER	Tier II SCV	0.0013	µg/L	0727	0001
Anthracene	120-12-7	Mammal	SEDIMENT	chronic NOAEL	1000	mg/kg/d	0092	0370
Anthracene	120-12-7	Mammal	SOIL	chronic NOAEL	1000	mg/kg/d	0092	0370
Anthracene	120-12-7	Mammal	WATER	chronic NOAEL	1000	mg/kg/d	0092	0370
Antimony	SB	Aquatic (sediment)	SEDIMENT	UET	3	mg/kg	0735	0001
Antimony	SB	Aquatic (water)	WATER	Tier II SCV	104	µg/L	0727	0001
Antimony	SB	Mammal	SEDIMENT	chronic NOAEL	0.13	mg/kg/d	0344	0007
Antimony	SB	Mammal	SOIL	chronic NOAEL	0.13	mg/kg/d	0344	0007
Antimony	SB	Mammal	WATER	chronic NOAEL	0.13	mg/kg/d	0344	0007
Antimony	SB	Plant	SOIL	LANL NOEC	0.5	mg/kg	0095	0105
Aroclor-1016	12674-11-2	Aquatic (sediment)	SEDIMENT	EqP	0.01	mg/kg	0711	0001
Aroclor-1016	12674-11-2	Aquatic (water)	WATER	NAWQC CCC	0.014	µg/L	0730	0001
Aroclor-1016	12674-11-2	Mammal	SEDIMENT	chronic NOAEL	1.4	mg/kg/d	0344	0150
Aroclor-1016	12674-11-2	Mammal	SOIL	chronic NOAEL	1.4	mg/kg/d	0344	0150
Aroclor-1016	12674-11-2	Mammal	WATER	chronic NOAEL	1.4	mg/kg/d	0344	0150
Aroclor-1242	53469-21-9	Aquatic (sediment)	SEDIMENT	TEL	0.03162	mg/kg	0747	0001
Aroclor-1242	53469-21-9	Aquatic (water)	WATER	Tier II SCV	0.06	µg/L	0727	0001
Aroclor-1242	53469-21-9	Bird	SEDIMENT	chronic NOAEL	0.41	mg/kg/d	0344	0152
Aroclor-1242	53469-21-9	Bird	SOIL	chronic NOAEL	0.41	mg/kg/d	0344	0152
Aroclor-1242	53469-21-9	Bird	WATER	chronic NOAEL	0.41	mg/kg/d	0344	0152
Aroclor-1242	53469-21-9	Mammal	SEDIMENT	chronic NOAEL	0.069	mg/kg/d	0344	0151
Aroclor-1242	53469-21-9	Mammal	SOIL	chronic NOAEL	0.069	mg/kg/d	0344	0151
Aroclor-1242	53469-21-9	Mammal	WATER	chronic NOAEL	0.069	mg/kg/d	0344	0151
Aroclor-1248	12672-29-6	Aquatic (sediment)	SEDIMENT	TEL	0.03162	mg/kg	0747	0001
Aroclor-1248	12672-29-6	Aquatic (water)	WATER	Tier II SCV	0.01	µg/L	0727	0001
Aroclor-1248	12672-29-6	Bird	SEDIMENT	chronic NOAEL	0.00272	mg/kg/d	0428	0756
Aroclor-1248	12672-29-6	Bird	SOIL	chronic NOAEL	0.00272	mg/kg/d	0428	0756
Aroclor-1248	12672-29-6	Bird	WATER	chronic NOAEL	0.00272	mg/kg/d	0428	0756
Aroclor-1248	12672-29-6	Mammal	SEDIMENT	chronic NOAEL	0.01	mg/kg/d	0344	0153
Aroclor-1248	12672-29-6	Mammal	SOIL	chronic NOAEL	0.01	mg/kg/d	0344	0153
Aroclor-1248	12672-29-6	Mammal	WATER	chronic NOAEL	0.01	mg/kg/d	0344	0153
Aroclor-1254	11097-69-1	Aquatic (sediment)	SEDIMENT	TEL	0.03162	mg/kg	0747	0001
Aroclor-1254	11097-69-1	Aquatic (water)	WATER	Tier II SCV	0.02	µg/L	0727	0001
Aroclor-1254	11097-69-1	Bird	SEDIMENT	chronic NOAEL	0.18	mg/kg/d	0344	0758
Aroclor-1254	11097-69-1	Bird	SOIL	chronic NOAEL	0.18	mg/kg/d	0344	0758
Aroclor-1254	11097-69-1	Bird	WATER	chronic NOAEL	0.18	mg/kg/d	0344	0758
Aroclor-1254	11097-69-1	Mammal	SEDIMENT	chronic NOAEL	0.068	mg/kg/d	0344	0154
Aroclor-1254	11097-69-1	Mammal	SOIL	chronic NOAEL	0.068	mg/kg/d	0344	0154
Aroclor-1254	11097-69-1	Mammal	WATER	chronic NOAEL	0.068	mg/kg/d	0344	0154
Aroclor-1254	11097-69-1	Plant	SOIL	LANL NOEC	10	mg/kg	0095	0261
Aroclor-1260	11096-82-5	Aquatic (sediment)	SEDIMENT	TEL	0.03162	mg/kg	0747	0001
Aroclor-1260	11096-82-5	Aquatic (water)	WATER	Tier II SCV	10.5	µg/L	0727	0001
Aroclor-1260	11096-82-5	Bird	SEDIMENT	chronic NOAEL	0.047	mg/kg/d	0428	0767
Aroclor-1260	11096-82-5	Bird	SOIL	chronic NOAEL	0.047	mg/kg/d	0428	0767
Aroclor-1260	11096-82-5	Bird	WATER	chronic NOAEL	0.047	mg/kg/d	0428	0767
Aroclor-1260	11096-82-5	Mammal	SEDIMENT	chronic NOAEL	0.04	mg/kg/d	0093	0154
Aroclor-1260	11096-82-5	Mammal	SOIL	chronic NOAEL	0.04	mg/kg/d	0093	0154
Aroclor-1260	11096-82-5	Mammal	WATER	chronic NOAEL	0.04	mg/kg/d	0093	0154
Arsenic	AS	Aquatic (sediment)	SEDIMENT	ERL	12.1	mg/kg	0747	0001
Arsenic	AS	Aquatic (water)	WATER	NAWQC CCC	150	µg/L	0730	0001
Arsenic	AS	Bird	SEDIMENT	chronic NOAEL	5.1	mg/kg/d	0344	0162
Arsenic	AS	Bird	SOIL	chronic NOAEL	5.1	mg/kg/d	0344	0162
Arsenic	AS	Bird	WATER	chronic NOAEL	5.1	mg/kg/d	0344	0162
Arsenic	AS	Invertebrate	SOIL	LANL NOEC	6.8	mg/kg	0097	0043
Arsenic	AS	Mammal	SEDIMENT	chronic NOAEL	0.13	mg/kg/d	0344	0159
Arsenic	AS	Mammal	SOIL	chronic NOAEL	0.13	mg/kg/d	0344	0159
Arsenic	AS	Mammal	WATER	chronic NOAEL	0.13	mg/kg/d	0344	0159
Arsenic	AS	Plant	SOIL	LANL NOEC	10	mg/kg	0095	0001
Barium	BA	Aquatic (sediment)	SEDIMENT	AET	48	mg/kg	0735	0001
Barium	BA	Aquatic (water)	WATER	Tier II SCV	3.8	µg/L	0727	0001
Barium	BA	Bird	SEDIMENT	chronic NOAEL	12.6	mg/kg/d	0903	0484
Barium	BA	Bird	SOIL	chronic NOAEL	12.6	mg/kg/d	0903	0484
Barium	BA	Bird	WATER	chronic NOAEL	12.6	mg/kg/d	0903	0484
Barium	BA	Mammal	SEDIMENT	chronic NOAEL	0.55	mg/kg/d	0903	0173
Barium	BA	Mammal	SOIL	chronic NOAEL	0.55	mg/kg/d	0903	0173
Barium	BA	Mammal	WATER	chronic NOAEL	0.55	mg/kg/d	0903	0173
Barium	BA	Plant	SOIL	chronic NOEC	100	mg/kg	0903	0641
Benzene	71-43-2	Aquatic (sediment)	SEDIMENT	EqP	0.057	mg/kg	0711	0001
Benzene	71-43-2	Aquatic (water)	WATER	Tier II SCV	45.5	µg/L	0727	0001
Benzene	71-43-2	Mammal	SEDIMENT	chronic NOAEL	26	mg/kg/d	0344	0718
Benzene	71-43-2	Mammal	SOIL	chronic NOAEL	26	mg/kg/d	0344	0718
Benzene	71-43-2	Mammal	WATER	chronic NOAEL	26	mg/kg/d	0344	0718
Benzo(a)anthracene	56-55-3	Aquatic (sediment)	SEDIMENT	EqP	0.11	mg/kg	0711	0001
Benzo(a)anthracene	56-55-3	Aquatic (water)	WATER	Tier II SCV	0.027	µg/L	0727	0001
Benzo(a)anthracene	56-55-3	Mammal	SEDIMENT	chronic NOAEL	1.7	mg/kg/d	0575	0604
Benzo(a)anthracene	56-55-3	Mammal	SOIL	chronic NOAEL	1.7	mg/kg/d	0575	0604
Benzo(a)anthracene	56-55-3	Mammal	WATER	chronic NOAEL	1.7	mg/kg/d	0575	0604
Benzo(a)anthracene	56-55-3	Plant	SOIL	SNL benchmark	18	mg/kg	0092	0378
Benzo(a)pyrene	50-32-8	Aquatic (sediment)	SEDIMENT	ERL	0.35	mg/kg	0747	0001
Benzo(a)pyrene	50-32-8	Aquatic (water)	WATER	Tier II SCV	0.014	µg/L	0727	0001
Benzo(a)pyrene	50-32-8	Mammal	SEDIMENT	chronic NOAEL	1	mg/kg/d	0344	0172
Benzo(a)pyrene	50-32-8	Mammal	SOIL	chronic NOAEL	1	mg/kg/d	0344	0172
Benzo(a)pyrene	50-32-8	Mammal	WATER	chronic NOAEL	1	mg/kg/d	0344	0172
Benzo(b)fluoranthene	205-99-2	Aquatic (sediment)	SEDIMENT	ERL	0.24	mg/kg	0747	0001
Benzo(b)fluoranthene	205-99-2	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Benzo(b)fluoranthene	205-99-2	Mammal	SEDIMENT	chronic NOAEL	4	mg/kg/d	0575	0603
Benzo(b)fluoranthene	205-99-2	Mammal	SOIL	chronic NOAEL	4	mg/kg/d	0575	0603
Benzo(b)fluoranthene	205-99-2	Mammal	WATER	chronic NOAEL	4	mg/kg/d	0575	0603
Benzo(b)fluoranthene	205-99-2	Plant	SOIL	SNL benchmark	18	mg/kg	0092	0378
Benzo(g,h,i)perylene	191-24-2	Aquatic (sediment)	SEDIMENT	ERL	0.29	mg/kg	0747	0001
Benzo(g,h,i)perylene	191-24-2	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Benzo(g,h,i)perylene	191-24-2	Mammal	SEDIMENT	chronic NOAEL	7.2	mg/kg/d	0575	0378
Benzo(g,h,i)perylene	191-24-2	Mammal	SOIL	chronic NOAEL	7.2	mg/kg/d	0575	0378
Benzo(g,h,i)perylene	191-24-2	Mammal	WATER	chronic NOAEL	7.2	mg/kg/d	0575	0378
Benzo(k)fluoranthene	207-08-9	Aquatic (sediment)	SEDIMENT	LEL	0.24	mg/kg	0303	0001
Benzo(k)fluoranthene	207-08-9	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Benzo(k)fluoranthene	207-08-9	Mammal	SEDIMENT	chronic NOAEL	7.2	mg/kg/d	0575	0603
Benzo(k)fluoranthene	207-08-9	Mammal	SOIL	chronic NOAEL	7.2	mg/kg/d	0575	0603
Benzo(k)fluoranthene	207-08-9	Mammal	WATER	chronic NOAEL	7.2	mg/kg/d	0575	0603
Benzoic Acid	65-85-0	Aquatic (sediment)	SEDIMENT	EqP	0.065	mg/kg	0735	0001
Benzoic Acid	65-85-0	Aquatic (water)	WATER	Tier II SCV	41.6	µg/L	0727	0001
Benzoic Acid	65-85-0	Mammal	SEDIMENT	chronic NOAEL	4	mg/kg/d	0092	0374
Benzoic Acid	65-85-0	Mammal	SOIL	chronic NOAEL	4	mg/kg/d	0092	0374
Benzoic Acid	65-85-0	Mammal	WATER	chronic NOAEL	4	mg/kg/d	0092	0374
Beryllium	BE	Aquatic (water)	WATER	NM Stream STD	5.3	µg/L	0732	0001
Beryllium	BE	Mammal	SEDIMENT	chronic NOAEL	0.66	mg/kg/d	0344	0173
Beryllium	BE	Mammal	SOIL	chronic NOAEL	0.66	mg/kg/d	0344	0173
Beryllium	BE	Mammal	WATER	chronic NOAEL	0.66	mg/kg/d	0344	0173
Beryllium	BE	Plant	SOIL	LANL NOEC	1	mg/kg	0095	0105
BHC[beta-]	319-85-7	Aquatic (sediment)	SEDIMENT	EqP	0.14	mg/kg	0711	0001
BHC[beta-]	319-85-7	Aquatic (water)	WATER	Tier II SCV	2.44	µg/L	0727	0001
BHC[beta-]	319-85-7	Bird	SEDIMENT	chronic NOAEL	38.3	mg/kg/d	0575	0575
BHC[beta-]	319-85-7	Bird	SOIL	chronic NOAEL	38.3	mg/kg/d	0575	0575
BHC[beta-]	319-85-7	Bird	WATER	chronic NOAEL	38.3	mg/kg/d	0575	0575
BHC[beta-]	319-85-7	Mammal	SEDIMENT	chronic NOAEL	0.4	mg/kg/d	0344	0167
BHC[beta-]	319-85-7	Mammal	SOIL	chronic NOAEL	0.4	mg/kg/d	0344	0167
BHC[beta-]	319-85-7	Mammal	WATER	chronic NOAEL	0.4	mg/kg/d	0344	0167
BHC[gamma-]	58-89-9	Aquatic (sediment)	SEDIMENT	EqP	0.0028	mg/kg	0711	0001
BHC[gamma-]	58-89-9	Aquatic (water)	WATER	NAWQC	0.08	µg/L	0727	0001
BHC[gamma-]	58-89-9	Bird	SEDIMENT	chronic NOAEL	0.56	mg/kg/d	0344	0762
BHC[gamma-]	58-89-9	Bird	SOIL	chronic NOAEL	0.56	mg/kg/d	0344	0762
BHC[gamma-]	58-89-9	Bird	WATER	chronic NOAEL	0.56	mg/kg/d	0344	0762
BHC[gamma-]	58-89-9	Mammal	SEDIMENT	chronic NOAEL	0.014	mg/kg/d	0344	0168
BHC[gamma-]	58-89-9	Mammal	SOIL	chronic NOAEL	0.014	mg/kg/d	0344	0168
BHC[gamma-]	58-89-9	Mammal	WATER	chronic NOAEL	0.014	mg/kg/d	0344	0168
BHC[gamma-]	58-89-9	Plant	SOIL	LANL NOEC	0.1	mg/kg	0575	0590
Biphenyl[1,1'-]	92-52-4	Plant	SOIL	ORNL benchmark	60	mg/kg	0094	0257
Bis(2-ethylhexyl)phthalate	117-81-7	Aquatic (water)	WATER	Tier II SCV	32.2	µg/L	0727	0001
Bis(2-ethylhexyl)phthalate	117-81-7	Bird	SEDIMENT	chronic NOAEL	1.1	mg/kg/d	0344	0759
Bis(2-ethylhexyl)phthalate	117-81-7	Bird	SOIL	chronic NOAEL	1.1	mg/kg/d	0344	0759
Bis(2-ethylhexyl)phthalate	117-81-7	Bird	WATER	chronic NOAEL	1.1	mg/kg/d	0344	0759
Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	SEDIMENT	chronic NOAEL	18	mg/kg/d	0344	0769
Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	SOIL	chronic NOAEL	18	mg/kg/d	0344	0769
Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	WATER	chronic NOAEL	18	mg/kg/d	0344	0769
Boron	B	Aquatic (water)	WATER	Tier II SCV	547	µg/L	0727	0001
Boron	B	Bird	SEDIMENT	chronic NOAEL	46.3	mg/kg/d	0715	0495
Boron	B	Bird	SOIL	chronic NOAEL	46.3	mg/kg/d	0715	0495
Boron	B	Bird	WATER	chronic NOAEL	46.3	mg/kg/d	0715	0495
Boron	B	Mammal	SEDIMENT	chronic NOAEL	28	mg/kg/d	0715	0174
Boron	B	Mammal	SOIL	chronic NOAEL	28	mg/kg/d	0715	0174
Boron	B	Mammal	WATER	chronic NOAEL	28	mg/kg/d	0715	0174
Boron	B	Plant	SOIL	chronic NOEC	5.7	mg/kg	0715	0239
Bromine	BR2	Plant	SOIL	ORNL benchmark	10	mg/kg	0094	0105
Butanone[2-]	78-93-3	Aquatic (water)	WATER	Tier II SCV	20800	µg/L	0727	0001
Butanone[2-]	78-93-3	Mammal	SEDIMENT	chronic NOAEL	1800	mg/kg/d	0344	0222
Butanone[2-]	78-93-3	Mammal	SOIL	chronic NOAEL	1800	mg/kg/d	0344	0222
Butanone[2-]	78-93-3	Mammal	WATER	chronic NOAEL	1800	mg/kg/d	0344	0222
Butyl Benzyl Phthalate	85-68-7	Aquatic (sediment)	SEDIMENT	EqP	11	mg/kg	0711	0001
Butyl Benzyl Phthalate	85-68-7	Aquatic (water)	WATER	Tier II	19	µg/L	0736	0001
Butyl Benzyl Phthalate	85-68-7	Mammal	SEDIMENT	chronic NOAEL	159	mg/kg/d	0141	0472
Butyl Benzyl Phthalate	85-68-7	Mammal	SOIL	chronic NOAEL	159	mg/kg/d	0141	0472
Butyl Benzyl Phthalate	85-68-7	Mammal	WATER	chronic NOAEL	159	mg/kg/d	0141	0472
Cadmium	CD	Aquatic (sediment)	SEDIMENT	TEL	0.592	mg/kg	0747	0001
Cadmium	CD	Aquatic (water)	WATER	NAWQC CCC	1.3	µg/L	0730	0001
Cadmium	CD	Bird	SEDIMENT	chronic NOAEL	1.45	mg/kg/d	0344	0009
Cadmium	CD	Bird	SOIL	chronic NOAEL	1.45	mg/kg/d	0344	0009
Cadmium	CD	Bird	WATER	chronic NOAEL	1.45	mg/kg/d	0344	0009
Cadmium	CD	Invertebrate	SOIL	LANL NOEC	10	mg/kg	0097	0001
Cadmium	CD	Mammal	SEDIMENT	chronic NOAEL	1	mg/kg/d	0344	0008
Cadmium	CD	Mammal	SOIL	chronic NOAEL	1	mg/kg/d	0344	0008
Cadmium	CD	Mammal	WATER	chronic NOAEL	1	mg/kg/d	0344	0008
Cadmium	CD	Plant	SOIL	LANL NOEC	1	mg/kg	0095	0001
Calcium	CA	Aquatic (water)	WATER	LCV	116000	µg/L	0727	0001
Carbon Tetrachloride	56-23-5	Mammal	SEDIMENT	chronic NOAEL	16	mg/kg/d	0344	0729
Carbon Tetrachloride	56-23-5	Mammal	SOIL	chronic NOAEL	16	mg/kg/d	0344	0729
Carbon Tetrachloride	56-23-5	Mammal	WATER	chronic NOAEL	16	mg/kg/d	0344	0729
Chlordane[alpha-]	5103-71-9	Aquatic (sediment)	SEDIMENT	ERL	0.0005	mg/kg	0100	0001
Chlordane[alpha-]	5103-71-9	Aquatic (water)	WATER	NM Stream STD	0.0043	µg/L	0732	0001
Chlordane[alpha-]	5103-71-9	Bird	SEDIMENT	chronic NOAEL	2.1	mg/kg/d	0344	0761
Chlordane[alpha-]	5103-71-9	Bird	SOIL	chronic NOAEL	2.1	mg/kg/d	0344	0761
Chlordane[alpha-]	5103-71-9	Bird	WATER	chronic NOAEL	2.1	mg/kg/d	0344	0761
Chlordane[alpha-]	5103-71-9	Mammal	SEDIMENT	chronic NOAEL	1.175	mg/kg/d	0575	0475
Chlordane[alpha-]	5103-71-9	Mammal	SOIL	chronic NOAEL	1.175	mg/kg/d	0575	0475
Chlordane[alpha-]	5103-71-9	Mammal	WATER	chronic NOAEL	1.175	mg/kg/d	0575	0475
Chlordane[alpha-]	5103-71-9	Plant	SOIL	LANL NOEC	2.24	mg/kg	0575	0300
Chlordane[gamma-]	5103-74-2	Aquatic (sediment)	SEDIMENT	ERL	0.0005	mg/kg	0100	0001
Chlordane[gamma-]	5103-74-2	Aquatic (water)	WATER	NM Stream STD	0.0043	µg/L	0732	0001
Chlordane[gamma-]	5103-74-2	Bird	SEDIMENT	chronic NOAEL	2.1	mg/kg/d	0344	0761
Chlordane[gamma-]	5103-74-2	Bird	SOIL	chronic NOAEL	2.1	mg/kg/d	0344	0761
Chlordane[gamma-]	5103-74-2	Bird	WATER	chronic NOAEL	2.1	mg/kg/d	0344	0761
Chlordane[gamma-]	5103-74-2	Mammal	SEDIMENT	chronic NOAEL	1.175	mg/kg/d	0575	0475
Chlordane[gamma-]	5103-74-2	Mammal	SOIL	chronic NOAEL	1.175	mg/kg/d	0575	0475
Chlordane[gamma-]	5103-74-2	Mammal	WATER	chronic NOAEL	1.175	mg/kg/d	0575	0475
Chlordane[gamma-]	5103-74-2	Plant	SOIL	LANL NOEC	2.24	mg/kg	0575	0300
Chloride	CL(-1)	Aquatic (water)	WATER	NAWQC CCC	230000	µg/L	0730	0001
Chloro-3-methylphenol[4-]	59-50-7	Aquatic (water)	WATER	EPA Region-IV	0.3	µg/L	0736	0001
Chloro-3-methylphenol[4-]	59-50-7	Bird	SEDIMENT	chronic NOAEL	1.13	mg/kg/d	0575	0579
Chloro-3-methylphenol[4-]	59-50-7	Bird	SOIL	chronic NOAEL	1.13	mg/kg/d	0575	0579
Chloro-3-methylphenol[4-]	59-50-7	Bird	WATER	chronic NOAEL	1.13	mg/kg/d	0575	0579
Chloro-3-methylphenol[4-]	59-50-7	Mammal	SEDIMENT	chronic NOAEL	1.4	mg/kg/d	0092	0376
Chloro-3-methylphenol[4-]	59-50-7	Mammal	SOIL	chronic NOAEL	1.4	mg/kg/d	0092	0376
Chloro-3-methylphenol[4-]	59-50-7	Mammal	WATER	chronic NOAEL	1.4	mg/kg/d	0092	0376
Chloroacetamide	79-07-2	Invertebrate	SOIL	LANL NOEC	500	mg/kg	0097	0272
Chloroaniline[3-]	108-42-9	Invertebrate	SOIL	LANL NOEC	19.5	mg/kg	0097	0273
Chloroaniline[3-]	108-42-9	Plant	SOIL	ORNL benchmark	20	mg/kg	0094	0258
Chlorobenzene	108-90-7	Aquatic (sediment)	SEDIMENT	EqP	0.82	mg/kg	0711	0001
Chlorobenzene	108-90-7	Aquatic (water)	WATER	Tier II SCV	127	µg/L	0727	0001
Chlorobenzene	108-90-7	Invertebrate	SOIL	LANL NOEC	24	mg/kg	0097	0280
Chlorobenzene	108-90-7	Mammal	SEDIMENT	chronic NOAEL	60	mg/kg/d	0141	0375
Chlorobenzene	108-90-7	Mammal	SOIL	chronic NOAEL	60	mg/kg/d	0141	0375
Chlorobenzene	108-90-7	Mammal	WATER	chronic NOAEL	60	mg/kg/d	0141	0375
Chloroform	67-66-3	Aquatic (water)	WATER	Tier II SCV	188	µg/L	0727	0001
Chloroform	67-66-3	Mammal	SEDIMENT	chronic NOAEL	15	mg/kg/d	0344	0740
Chloroform	67-66-3	Mammal	SOIL	chronic NOAEL	15	mg/kg/d	0344	0740
Chloroform	67-66-3	Mammal	WATER	chronic NOAEL	15	mg/kg/d	0344	0740
Chlorophenol[2-]	95-57-8	Aquatic (sediment)	SEDIMENT	EqP	0.057	mg/kg	0711	0001
Chlorophenol[2-]	95-57-8	Aquatic (water)	WATER	EPA Region-IV	43.8	µg/L	0736	0001
Chlorophenol[2-]	95-57-8	Bird	SEDIMENT	chronic NOAEL	11.3	mg/kg/d	0575	0580
Chlorophenol[2-]	95-57-8	Bird	SOIL	chronic NOAEL	11.3	mg/kg/d	0575	0580
Chlorophenol[2-]	95-57-8	Bird	WATER	chronic NOAEL	11.3	mg/kg/d	0575	0580
Chlorophenol[2-]	95-57-8	Mammal	SEDIMENT	chronic NOAEL	0.5	mg/kg/d	0092	0376
Chlorophenol[2-]	95-57-8	Mammal	SOIL	chronic NOAEL	0.5	mg/kg/d	0092	0376
Chlorophenol[2-]	95-57-8	Mammal	WATER	chronic NOAEL	0.5	mg/kg/d	0092	0376
Chlorophenol[3-]	108-43-0	Plant	SOIL	ORNL benchmark	7	mg/kg	0094	0258
Chromium (total)	CR	Aquatic (sediment)	SEDIMENT	ERL	56	mg/kg	0747	0001
Chromium (total)	CR	Aquatic (water)	WATER	NAWQC CCC	11	µg/L	0730	0001
Chromium (total)	CR	Bird	SEDIMENT	chronic NOAEL	77	mg/kg/d	0715	0539
Chromium (total)	CR	Bird	SOIL	chronic NOAEL	77	mg/kg/d	0715	0539
Chromium (total)	CR	Bird	WATER	chronic NOAEL	77	mg/kg/d	0715	0539
Chromium (total)	CR	Mammal	SEDIMENT	chronic NOAEL	1900	mg/kg/d	0715	0010
Chromium (total)	CR	Mammal	SOIL	chronic NOAEL	1900	mg/kg/d	0715	0010
Chromium (total)	CR	Mammal	WATER	chronic NOAEL	1900	mg/kg/d	0715	0010
Chromium (total)	CR	Plant	SOIL	LANL NOEC	3.1	mg/kg	0095	0001
Chromium(+6)	CR(+6)	Aquatic (sediment)	SEDIMENT	ERL	56	mg/kg	0747	0001
Chromium(+6)	CR(+6)	Aquatic (water)	WATER	NAWQC CCC	11	µg/L	0730	0001
Chromium(+6)	CR(+6)	Bird	SEDIMENT	chronic NOAEL	3.8	mg/kg/d	0428	0539
Chromium(+6)	CR(+6)	Bird	SOIL	chronic NOAEL	3.8	mg/kg/d	0428	0539
Chromium(+6)	CR(+6)	Bird	WATER	chronic NOAEL	3.8	mg/kg/d	0428	0539
Chromium(+6)	CR(+6)	Invertebrate	SOIL	LANL NOEC	10	mg/kg	0097	0029
Chromium(+6)	CR(+6)	Mammal	SEDIMENT	chronic NOAEL	3.3	mg/kg/d	0344	0011
Chromium(+6)	CR(+6)	Mammal	SOIL	chronic NOAEL	3.3	mg/kg/d	0344	0011
Chromium(+6)	CR(+6)	Mammal	WATER	chronic NOAEL	3.3	mg/kg/d	0344	0011
Chromium(+6)	CR(+6)	Plant	SOIL	LANL NOEC	0.35	mg/kg	0095	0123
Chrysene	218-01-9	Aquatic (sediment)	SEDIMENT	ERL	0.5	mg/kg	0747	0001
Chrysene	218-01-9	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Chrysene	218-01-9	Mammal	SEDIMENT	chronic NOAEL	1.7	mg/kg/d	0575	0604
Chrysene	218-01-9	Mammal	SOIL	chronic NOAEL	1.7	mg/kg/d	0575	0604
Chrysene	218-01-9	Mammal	WATER	chronic NOAEL	1.7	mg/kg/d	0575	0604
Cobalt	CO	Aquatic (water)	WATER	Tier II SCV	3.06	µg/L	0048	0001
Cobalt	CO	Bird	SEDIMENT	chronic NOAEL	0.02	mg/kg/d	0575	0577
Cobalt	CO	Bird	SOIL	chronic NOAEL	0.02	mg/kg/d	0575	0577
Cobalt	CO	Bird	WATER	chronic NOAEL	0.02	mg/kg/d	0575	0577
Cobalt	CO	Mammal	SEDIMENT	chronic NOAEL	0.2	mg/kg/d	0575	0577
Cobalt	CO	Mammal	SOIL	chronic NOAEL	0.2	mg/kg/d	0575	0577
Cobalt	CO	Mammal	WATER	chronic NOAEL	0.2	mg/kg/d	0575	0577
Cobalt	CO	Plant	SOIL	LANL NOEC	2.5	mg/kg	0095	0105
Copper	CU	Aquatic (sediment)	SEDIMENT	TEL	28	mg/kg	0747	0001
Copper	CU	Aquatic (water)	WATER	NAWQC CCC	5	µg/L	0730	0001
Copper	CU	Bird	SEDIMENT	chronic NOAEL	47	mg/kg/d	0344	0550
Copper	CU	Bird	SOIL	chronic NOAEL	47	mg/kg/d	0344	0550
Copper	CU	Bird	WATER	chronic NOAEL	47	mg/kg/d	0344	0550
Copper	CU	Invertebrate	SOIL	LANL NOEC	13	mg/kg	0097	0265
Copper	CU	Mammal	SEDIMENT	chronic NOAEL	12	mg/kg/d	0344	0176
Copper	CU	Mammal	SOIL	chronic NOAEL	12	mg/kg/d	0344	0176
Copper	CU	Mammal	WATER	chronic NOAEL	12	mg/kg/d	0344	0176
Copper	CU	Plant	SOIL	LANL NOEC	100	mg/kg	0095	0240
Cyanide (total)	CN(-1)	Aquatic (sediment)	SEDIMENT	EPA Region-V	0.1	mg/kg	0716	0001
Cyanide (total)	CN(-1)	Aquatic (water)	WATER	NM Stream STD	5.2	µg/L	0732	0001
Cyanide (total)	CN(-1)	Bird	SEDIMENT	chronic NOAEL	0.04	mg/kg/d	0575	0578
Cyanide (total)	CN(-1)	Bird	SOIL	chronic NOAEL	0.04	mg/kg/d	0575	0578
Cyanide (total)	CN(-1)	Bird	WATER	chronic NOAEL	0.04	mg/kg/d	0575	0578
Cyanide (total)	CN(-1)	Mammal	SEDIMENT	chronic NOAEL	69	mg/kg/d	0344	0178
Cyanide (total)	CN(-1)	Mammal	SOIL	chronic NOAEL	69	mg/kg/d	0344	0178
Cyanide (total)	CN(-1)	Mammal	WATER	chronic NOAEL	69	mg/kg/d	0344	0178
DDE[4,4'-]	72-55-9	Aquatic (sediment)	SEDIMENT	ERL	0.0022	mg/kg	0100	0001
DDE[4,4'-]	72-55-9	Aquatic (water)	WATER	CLP PQL	10.5	µg/L	0736	0001
DDE[4,4'-]	72-55-9	Bird	SEDIMENT	chronic NOAEL	0.00224	mg/kg/d	0428	0763
DDE[4,4'-]	72-55-9	Bird	SOIL	chronic NOAEL	0.00224	mg/kg/d	0428	0763
DDE[4,4'-]	72-55-9	Bird	WATER	chronic NOAEL	0.00224	mg/kg/d	0428	0763
DDE[4,4'-]	72-55-9	Mammal	SEDIMENT	chronic NOAEL	10	mg/kg/d	0575	0203
DDE[4,4'-]	72-55-9	Mammal	SOIL	chronic NOAEL	10	mg/kg/d	0575	0203
DDE[4,4'-]	72-55-9	Mammal	WATER	chronic NOAEL	10	mg/kg/d	0575	0203
DDT[4,4'-]	50-29-3	Aquatic (sediment)	SEDIMENT	ERL	0.00158	mg/kg	0100	0001
DDT[4,4'-]	50-29-3	Aquatic (water)	WATER	Tier II SCV	0.04	µg/L	0727	0001
DDT[4,4'-]	50-29-3	Bird	SEDIMENT	chronic NOAEL	0.0028	mg/kg/d	0344	0764
DDT[4,4'-]	50-29-3	Bird	SOIL	chronic NOAEL	0.0028	mg/kg/d	0344	0764
DDT[4,4'-]	50-29-3	Bird	WATER	chronic NOAEL	0.0028	mg/kg/d	0344	0764
DDT[4,4'-]	50-29-3	Mammal	SEDIMENT	chronic NOAEL	0.8	mg/kg/d	0344	0160
DDT[4,4'-]	50-29-3	Mammal	SOIL	chronic NOAEL	0.8	mg/kg/d	0344	0160
DDT[4,4'-]	50-29-3	Mammal	WATER	chronic NOAEL	0.8	mg/kg/d	0344	0160
Dibenzo(a,h)anthracene	53-70-3	Aquatic (sediment)	SEDIMENT	ERM	0.015	mg/kg	0747	0001
Dibenzo(a,h)anthracene	53-70-3	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Dibenzo(a,h)anthracene	53-70-3	Mammal	SEDIMENT	chronic NOAEL	1.43	mg/kg/d	0575	0605
Dibenzo(a,h)anthracene	53-70-3	Mammal	SOIL	chronic NOAEL	1.43	mg/kg/d	0575	0605
Dibenzo(a,h)anthracene	53-70-3	Mammal	WATER	chronic NOAEL	1.43	mg/kg/d	0575	0605
Dibenzofuran	132-64-9	Aquatic (sediment)	SEDIMENT	EqP	2.3	mg/kg	0711	0001
Dibenzofuran	132-64-9	Aquatic (water)	WATER	Tier II SCV	20.4	µg/L	0727	0001
Dibenzofuran	132-64-9	Plant	SOIL	LANL NOEC	61.7	mg/kg	0095	0257
Dichloroaniline[2,4-]	554-00-7	Invertebrate	SOIL	LANL NOEC	56	mg/kg	0097	0268
Dichloroaniline[3,4-]	95-76-1	Invertebrate	SOIL	LANL NOEC	14	mg/kg	0097	0035
Dichlorobenzene[1,4-]	106-46-7	Aquatic (sediment)	SEDIMENT	EqP	0.32	mg/kg	0711	0001
Dichlorobenzene[1,4-]	106-46-7	Aquatic (water)	WATER	Tier II	14	µg/L	0733	0001
Dichlorobenzene[1,4-]	106-46-7	Invertebrate	SOIL	LANL NOEC	12.8	mg/kg	0097	0280
Dichlorobenzene[1,4-]	106-46-7	Mammal	SEDIMENT	chronic NOAEL	250	mg/kg/d	0575	0592
Dichlorobenzene[1,4-]	106-46-7	Mammal	SOIL	chronic NOAEL	250	mg/kg/d	0575	0592
Dichlorobenzene[1,4-]	106-46-7	Mammal	WATER	chronic NOAEL	250	mg/kg/d	0575	0592
Dichloroethane[1,1-]	75-34-3	Aquatic (sediment)	SEDIMENT	EqP	0.027	mg/kg	0711	0001
Dichloroethane[1,1-]	75-34-3	Aquatic (water)	WATER	Tier II SCV	46.6	µg/L	0727	0001
Dichloroethane[1,1-]	75-34-3	Mammal	SEDIMENT	chronic NOAEL	382	mg/kg/d	0575	0477
Dichloroethane[1,1-]	75-34-3	Mammal	SOIL	chronic NOAEL	382	mg/kg/d	0575	0477
Dichloroethane[1,1-]	75-34-3	Mammal	WATER	chronic NOAEL	382	mg/kg/d	0575	0477
Dichloroethane[1,2-]	107-06-2	Aquatic (water)	WATER	Tier II SCV	1100	µg/L	0727	0001
Dichloroethane[1,2-]	107-06-2	Bird	SEDIMENT	chronic NOAEL	9.3	mg/kg/d	0903	0696
Dichloroethane[1,2-]	107-06-2	Bird	SOIL	chronic NOAEL	9.3	mg/kg/d	0903	0696
Dichloroethane[1,2-]	107-06-2	Bird	WATER	chronic NOAEL	9.3	mg/kg/d	0903	0696
Dichloroethane[1,2-]	107-06-2	Mammal	SEDIMENT	chronic NOAEL	49.7	mg/kg/d	0903	0685
Dichloroethane[1,2-]	107-06-2	Mammal	SOIL	chronic NOAEL	49.7	mg/kg/d	0903	0685
Dichloroethane[1,2-]	107-06-2	Mammal	WATER	chronic NOAEL	49.7	mg/kg/d	0903	0685
Dichloroethene[1,1-]	75-35-4	Aquatic (sediment)	SEDIMENT	EqP	0.24	mg/kg	0711	0001
Dichloroethene[1,1-]	75-35-4	Mammal	SEDIMENT	chronic NOAEL	30	mg/kg/d	0344	0179
Dichloroethene[1,1-]	75-35-4	Mammal	SOIL	chronic NOAEL	30	mg/kg/d	0344	0179
Dichloroethene[1,1-]	75-35-4	Mammal	WATER	chronic NOAEL	30	mg/kg/d	0344	0179

Dichloroethene[cis/trans-1,2-	540-59-0	Aquatic (sediment)	SEDIMENT	EqP	0.034	mg/kg	0711	0001
Dichloroethene[cis/trans-1,2-	540-59-0	Aquatic (water)	WATER	Tier II SCV	31.2	µg/L	0727	0001
Dichloroethene[cis/trans-1,2-	540-59-0	Mammal	SEDIMENT	chronic NOAEL	452	mg/kg/d	0344	0740
Dichloroethene[cis/trans-1,2-	540-59-0	Mammal	SOIL	chronic NOAEL	452	mg/kg/d	0344	0740
Dichloroethene[cis/trans-1,2-	540-59-0	Mammal	WATER	chronic NOAEL	452	mg/kg/d	0344	0740
Dichloroethene[cis-1,2-]	156-59-2	Aquatic (water)	WATER	Tier II SCV	31.2	µg/L	0727	0001
Dichlorophenol[2,4-]	95-77-2	Invertebrate	SOIL	LANL NOEC	13.4	mg/kg	0097	0275
Dichlorophenol[2,4-]	95-77-2	Plant	SOIL	ORNL benchmark	20	mg/kg	0094	0258
Dichloropropane[1,2-]	78-87-5	Invertebrate	SOIL	LANL NOEC	80800	mg/kg	0097	0272
Dieldrin	60-57-1	Aquatic (sediment)	SEDIMENT	FCV	0.052	mg/kg	0733	0001
Dieldrin	60-57-1	Aquatic (water)	WATER	NAWQC CCC	0.056	µg/L	0730	0001
Dieldrin	60-57-1	Bird	SEDIMENT	chronic NOAEL	0.077	mg/kg/d	0344	0768
Dieldrin	60-57-1	Bird	SOIL	chronic NOAEL	0.077	mg/kg/d	0344	0768
Dieldrin	60-57-1	Bird	WATER	chronic NOAEL	0.077	mg/kg/d	0344	0768
Dieldrin	60-57-1	Mammal	SEDIMENT	chronic NOAEL	0.02	mg/kg/d	0344	0755
Dieldrin	60-57-1	Mammal	SOIL	chronic NOAEL	0.02	mg/kg/d	0344	0755
Dieldrin	60-57-1	Mammal	WATER	chronic NOAEL	0.02	mg/kg/d	0344	0755
Dieldrin	60-57-1	Plant	SOIL	LANL NOEC	10	mg/kg	0575	0601
Diethyl Phthalate	84-66-2	Mammal	SEDIMENT	chronic NOAEL	4600	mg/kg/d	0344	0769
Diethyl Phthalate	84-66-2	Mammal	SOIL	chronic NOAEL	4600	mg/kg/d	0344	0769
Diethyl Phthalate	84-66-2	Mammal	WATER	chronic NOAEL	4600	mg/kg/d	0344	0769
Diethyl Phthalate	84-66-2	Plant	SOIL	ORNL benchmark	100	mg/kg	0094	0257
Dimethyl Phthalate	131-11-3	Aquatic (water)	WATER	Tier II SCV	210	µg/L	0727	0001
Dimethyl Phthalate	131-11-3	Invertebrate	SOIL	LANL NOEC	4720	mg/kg	0097	0272
Dimethyl Phthalate	131-11-3	Mammal	SEDIMENT	chronic NOAEL	83	mg/kg/d	0092	0769
Dimethyl Phthalate	131-11-3	Mammal	SOIL	chronic NOAEL	83	mg/kg/d	0092	0769
Dimethyl Phthalate	131-11-3	Mammal	WATER	chronic NOAEL	83	mg/kg/d	0092	0769
Di-n-Butyl Phthalate	84-74-2	Aquatic (sediment)	SEDIMENT	EqP	11	mg/kg	0711	0001
Di-n-Butyl Phthalate	84-74-2	Aquatic (water)	WATER	Tier II SCV	32.7	µg/L	0727	0001
Di-n-Butyl Phthalate	84-74-2	Bird	SEDIMENT	chronic NOAEL	0.14	mg/kg-d	0858	0759
Di-n-Butyl Phthalate	84-74-2	Bird	SOIL	chronic NOAEL	0.14	mg/kg-d	0858	0759
Di-n-Butyl Phthalate	84-74-2	Bird	WATER	chronic NOAEL	0.14	mg/kg-d	0858	0759
Di-n-Butyl Phthalate	84-74-2	Mammal	SEDIMENT	chronic NOAEL	600	mg/kg-d	0858	0769
Di-n-Butyl Phthalate	84-74-2	Mammal	SOIL	chronic NOAEL	600	mg/kg-d	0858	0769
Di-n-Butyl Phthalate	84-74-2	Mammal	WATER	chronic NOAEL	600	mg/kg-d	0858	0769
Di-n-Butyl Phthalate	84-74-2	Plant	SOIL	LANL NOEC	200	mg/kg	0858	0781
Di-n-hexylphthalate	84-75-3	Mammal	SEDIMENT	chronic NOAEL	55	mg/kg/d	0344	0769
Di-n-hexylphthalate	84-75-3	Mammal	SOIL	chronic NOAEL	55	mg/kg/d	0344	0769
Di-n-hexylphthalate	84-75-3	Mammal	WATER	chronic NOAEL	55	mg/kg/d	0344	0769
Dinitrobenzene[1,3-]	99-65-0	Aquatic (water)	WATER	chronic NOEC	26	µg/L	0716	0001
Dinitrobenzene[1,3-]	99-65-0	Bird	SEDIMENT	chronic NOAEL	0.000422	mg/kg/d	0716	0001
Dinitrobenzene[1,3-]	99-65-0	Bird	SOIL	chronic NOAEL	0.000422	mg/kg/d	0716	0001
Dinitrobenzene[1,3-]	99-65-0	Bird	WATER	chronic NOAEL	0.000422	mg/kg/d	0716	0001
Dinitrobenzene[1,3-]	99-65-0	Mammal	SEDIMENT	chronic NOAEL	0.113	mg/kg/d	0480	0357
Dinitrobenzene[1,3-]	99-65-0	Mammal	SOIL	chronic NOAEL	0.113	mg/kg/d	0480	0357
Dinitrobenzene[1,3-]	99-65-0	Mammal	WATER	chronic NOAEL	0.113	mg/kg/d	0480	0357
Dinitrophenol[2,4-]	51-28-5	Plant	SOIL	ORNL benchmark	20	mg/kg	0094	0259
Dinitrotoluene[2,4-]	121-14-2	Aquatic (sediment)	SEDIMENT	EqP	0.29	mg/kg	0711	0001
Dinitrotoluene[2,4-]	121-14-2	Aquatic (water)	WATER	EPA Region-IV	310	µg/L	0736	0001
Dinitrotoluene[2,4-]	121-14-2	Mammal	SEDIMENT	chronic NOAEL	0.54	mg/kg/d	0104	0464
Dinitrotoluene[2,4-]	121-14-2	Mammal	SOIL	chronic NOAEL	0.54	mg/kg/d	0104	0464
Dinitrotoluene[2,4-]	121-14-2	Mammal	WATER	chronic NOAEL	0.54	mg/kg/d	0104	0464
Dinitrotoluene[2,6-]	606-20-2	Aquatic (water)	WATER	chronic NOEC	60	µg/L	0716	0001
Dinitrotoluene[2,6-]	606-20-2	Mammal	SEDIMENT	chronic NOAEL	0.36	mg/kg/d	0104	0464
Dinitrotoluene[2,6-]	606-20-2	Mammal	SOIL	chronic NOAEL	0.36	mg/kg/d	0104	0464
Dinitrotoluene[2,6-]	606-20-2	Mammal	WATER	chronic NOAEL	0.36	mg/kg/d	0104	0464
Di-n-octylphthalate	117-84-0	Aquatic (water)	WATER	chronic NOEC	320	µg/L	0716	0001
Di-n-octylphthalate	117-84-0	Mammal	SEDIMENT	chronic NOAEL	79.4	mg/kg/d	0092	0769
Di-n-octylphthalate	117-84-0	Mammal	SOIL	chronic NOAEL	79.4	mg/kg/d	0092	0769
Di-n-octylphthalate	117-84-0	Mammal	WATER	chronic NOAEL	79.4	mg/kg/d	0092	0769
Dioxane[1,4-]	123-91-1	Mammal	SEDIMENT	chronic NOAEL	0.5	mg/kg/d	0344	0213
Dioxane[1,4-]	123-91-1	Mammal	SOIL	chronic NOAEL	0.5	mg/kg/d	0344	0213
Dioxane[1,4-]	123-91-1	Mammal	WATER	chronic NOAEL	0.5	mg/kg/d	0344	0213
Endosulfan	115-29-7	Aquatic (sediment)	SEDIMENT	EqP	0.006	mg/kg	0711	0001
Endosulfan	115-29-7	Aquatic (water)	WATER	NAWQC CCC	0.056	µg/L	0730	0001
Endosulfan	115-29-7	Bird	SEDIMENT	chronic NOAEL	10	mg/kg/d	0344	0182
Endosulfan	115-29-7	Bird	SOIL	chronic NOAEL	10	mg/kg/d	0344	0182
Endosulfan	115-29-7	Bird	WATER	chronic NOAEL	10	mg/kg/d	0344	0182
Endosulfan	115-29-7	Mammal	SEDIMENT	chronic NOAEL	1.5	mg/kg/d	0344	0181
Endosulfan	115-29-7	Mammal	SOIL	chronic NOAEL	1.5	mg/kg/d	0344	0181
Endosulfan	115-29-7	Mammal	WATER	chronic NOAEL	1.5	mg/kg/d	0344	0181
Endrin	72-20-8	Aquatic (sediment)	SEDIMENT	FCV	0.01	mg/kg	0733	0001
Endrin	72-20-8	Aquatic (water)	WATER	NAWQC CCC	0.036	µg/L	0730	0001
Endrin	72-20-8	Bird	SEDIMENT	chronic NOAEL	0.01	mg/kg/d	0344	0184
Endrin	72-20-8	Bird	SOIL	chronic NOAEL	0.01	mg/kg/d	0344	0184
Endrin	72-20-8	Bird	WATER	chronic NOAEL	0.01	mg/kg/d	0344	0184
Endrin	72-20-8	Mammal	SEDIMENT	chronic NOAEL	0.092	mg/kg/d	0344	0183
Endrin	72-20-8	Mammal	SOIL	chronic NOAEL	0.092	mg/kg/d	0344	0183
Endrin	72-20-8	Mammal	WATER	chronic NOAEL	0.092	mg/kg/d	0344	0183
Endrin	72-20-8	Plant	SOIL	LANL NOEC	0.0034	mg/kg	0575	0593
Ethanol	64-17-5	Mammal	SEDIMENT	chronic NOAEL	32	mg/kg/d	0344	0214
Ethanol	64-17-5	Mammal	SOIL	chronic NOAEL	32	mg/kg/d	0344	0214
Ethanol	64-17-5	Mammal	WATER	chronic NOAEL	32	mg/kg/d	0344	0214
Ethyl Acetate	141-78-6	Mammal	SEDIMENT	chronic NOAEL	900	mg/kg/d	0344	0215
Ethyl Acetate	141-78-6	Mammal	SOIL	chronic NOAEL	900	mg/kg/d	0344	0215
Ethyl Acetate	141-78-6	Mammal	WATER	chronic NOAEL	900	mg/kg/d	0344	0215
Fluoranthene	206-44-0	Aquatic (sediment)	SEDIMENT	FCV	2.9	mg/kg	0733	0001
Fluoranthene	206-44-0	Aquatic (water)	WATER	Tier I FCV	6.16	µg/L	0727	0001
Fluoranthene	206-44-0	Mammal	SEDIMENT	chronic NOAEL	12.5	mg/kg/d	0092	0381
Fluoranthene	206-44-0	Mammal	SOIL	chronic NOAEL	12.5	mg/kg/d	0092	0381
Fluoranthene	206-44-0	Mammal	WATER	chronic NOAEL	12.5	mg/kg/d	0092	0381
Fluorene	86-73-7	Aquatic (sediment)	SEDIMENT	EqP	0.54	mg/kg	0711	0001
Fluorene	86-73-7	Aquatic (water)	WATER	Tier II	3.9	µg/L	0733	0001
Fluorene	86-73-7	Invertebrate	SOIL	LANL NOEC	500	mg/kg	0097	0272
Fluorene	86-73-7	Mammal	SEDIMENT	chronic NOAEL	12.5	mg/kg/d	0575	0478
Fluorene	86-73-7	Mammal	SOIL	chronic NOAEL	12.5	mg/kg/d	0575	0478
Fluorene	86-73-7	Mammal	WATER	chronic NOAEL	12.5	mg/kg/d	0575	0478
Fluoride	F(-1)	Aquatic (water)	WATER	AWQC CCC	1600	µg/L	0855	0001
Fluoride	F(-1)	Bird	SEDIMENT	chronic NOAEL	7.8	mg/kg/d	0715	0090
Fluoride	F(-1)	Bird	SOIL	chronic NOAEL	7.8	mg/kg/d	0715	0090
Fluoride	F(-1)	Bird	WATER	chronic NOAEL	7.8	mg/kg/d	0715	0090
Fluoride	F(-1)	Mammal	SEDIMENT	chronic NOAEL	26.6	mg/kg/d	0715	0216
Fluoride	F(-1)	Mammal	SOIL	chronic NOAEL	26.6	mg/kg/d	0715	0216
Fluoride	F(-1)	Mammal	WATER	chronic NOAEL	26.6	mg/kg/d	0715	0216
Fluorine	F2	Plant	SOIL	ORNL benchmark	200	mg/kg	0094	0105
Formaldehyde	50-00-0	Mammal	SEDIMENT	chronic NOAEL	9.4	mg/kg/d	0344	0217
Formaldehyde	50-00-0	Mammal	SOIL	chronic NOAEL	9.4	mg/kg/d	0344	0217
Formaldehyde	50-00-0	Mammal	WATER	chronic NOAEL	9.4	mg/kg/d	0344	0217
Furan	110-00-9	Plant	SOIL	ORNL benchmark	600	mg/kg	0094	0257
Heptachlor	76-44-8	Aquatic (sediment)	SEDIMENT	UET	0.01	mg/kg	0711	0001
Heptachlor	76-44-8	Aquatic (water)	WATER	Tier II SCV	0.029	µg/L	0727	0001
Heptachlor	76-44-8	Bird	SEDIMENT	chronic NOAEL	0.92	mg/kg/d	0575	0762
Heptachlor	76-44-8	Bird	SOIL	chronic NOAEL	0.92	mg/kg/d	0575	0762
Heptachlor	76-44-8	Bird	WATER	chronic NOAEL	0.92	mg/kg/d	0575	0762
Heptachlor	76-44-8	Mammal	SEDIMENT	chronic NOAEL	0.1	mg/kg/d	0344	0185
Heptachlor	76-44-8	Mammal	SOIL	chronic NOAEL	0.1	mg/kg/d	0344	0185
Heptachlor	76-44-8	Mammal	WATER	chronic NOAEL	0.1	mg/kg/d	0344	0185
Heptachlor	76-44-8	Plant	SOIL	LANL NOEC	0.408	mg/kg	0575	0300
Hexachlorocyclopentadiene	77-47-4	Plant	SOIL	ORNL benchmark	10	mg/kg	0094	0257
Hexachlorodibenzofuran[1,2,	57117-44-9	Mammal	SEDIMENT	chronic NOAEL	0.0016	mg/kg/d	0344	0218
Hexachlorodibenzofuran[1,2,	57117-44-9	Mammal	SOIL	chronic NOAEL	0.0016	mg/kg/d	0344	0218
Hexachlorodibenzofuran[1,2,	57117-44-9	Mammal	WATER	chronic NOAEL	0.0016	mg/kg/d	0344	0218
HMX	2691-41-0	Invertebrate	SOIL	chronic NOEC	500	mg/kg	0903	0784
HMX	2691-41-0	Mammal	SEDIMENT	chronic NOAEL	75	mg/kg/d	0903	0465
HMX	2691-41-0	Mammal	SOIL	chronic NOAEL	75	mg/kg/d	0903	0465
HMX	2691-41-0	Mammal	WATER	chronic NOAEL	75	mg/kg/d	0903	0465
Indeno(1,2,3-cd)pyrene	193-39-5	Aquatic (sediment)	SEDIMENT	ERL	0.078	mg/kg	0747	0001
Indeno(1,2,3-cd)pyrene	193-39-5	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	SEDIMENT	chronic NOAEL	7.2	mg/kg/d	0575	0378
Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	SOIL	chronic NOAEL	7.2	mg/kg/d	0575	0378
Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	WATER	chronic NOAEL	7.2	mg/kg/d	0575	0378
Iodine	I2	Plant	SOIL	ORNL benchmark	4	mg/kg	0094	0241
Iron	FE	Aquatic (sediment)	SEDIMENT	LEL	20	mg/kg	0303	0001
Kepone	143-50-0	Bird	SEDIMENT	chronic NOAEL	8.499	mg/kg/d	0575	0595
Kepone	143-50-0	Bird	SOIL	chronic NOAEL	8.499	mg/kg/d	0575	0595
Kepone	143-50-0	Bird	WATER	chronic NOAEL	8.499	mg/kg/d	0575	0595
Kepone	143-50-0	Mammal	SEDIMENT	chronic NOAEL	0.08	mg/kg/d	0344	0175
Kepone	143-50-0	Mammal	SOIL	chronic NOAEL	0.08	mg/kg/d	0344	0175
Kepone	143-50-0	Mammal	WATER	chronic NOAEL	0.08	mg/kg/d	0344	0175
Lead	PB	Aquatic (sediment)	SEDIMENT	TEL	34.2	mg/kg	0747	0001
Lead	PB	Aquatic (water)	WATER	NAWQC CCC	1.2	µg/L	0730	0001
Lead	PB	Bird	SEDIMENT	chronic NOAEL	5.1	mg/kg/d	0903	0187
Lead	PB	Bird	SOIL	chronic NOAEL	5.1	mg/kg/d	0903	0187
Lead	PB	Bird	WATER	chronic NOAEL	5.1	mg/kg/d	0903	0187
Lead	PB	Invertebrate	SOIL	chronic NOEC	2000	mg/kg	0903	0032
Lead	PB	Mammal	SEDIMENT	chronic NOAEL	5.8	mg/kg/d	0903	0186
Lead	PB	Mammal	SOIL	chronic NOAEL	5.8	mg/kg/d	0903	0186
Lead	PB	Mammal	WATER	chronic NOAEL	5.8	mg/kg/d	0903	0186
Lead	PB	Plant	SOIL	chronic NOEC	450	mg/kg	0903	0119
Lithium	LI	Mammal	SEDIMENT	chronic NOAEL	9.4	mg/kg/d	0344	0219
Lithium	LI	Mammal	SOIL	chronic NOAEL	9.4	mg/kg/d	0344	0219
Lithium	LI	Mammal	WATER	chronic NOAEL	9.4	mg/kg/d	0344	0219
Lithium	LI	Plant	SOIL	ORNL benchmark	2	mg/kg	0094	0242
Manganese	MN	Aquatic (sediment)	SEDIMENT	ERL	726	mg/kg	0747	0001
Manganese	MN	Aquatic (water)	WATER	Tier II SCV	80.3	µg/L	0727	0001
Manganese	MN	Bird	SEDIMENT	chronic NOAEL	575	mg/kg/d	0715	0193
Manganese	MN	Bird	SOIL	chronic NOAEL	575	mg/kg/d	0715	0193
Manganese	MN	Bird	WATER	chronic NOAEL	575	mg/kg/d	0715	0193
Manganese	MN	Mammal	SEDIMENT	chronic NOAEL	44	mg/kg/d	0715	0192
Manganese	MN	Mammal	SOIL	chronic NOAEL	44	mg/kg/d	0715	0192
Manganese	MN	Mammal	WATER	chronic NOAEL	44	mg/kg/d	0715	0192
Manganese	MN	Plant	SOIL	chronic NOEC	5	mg/kg	0715	0240
Mercury (inorganic)	HGI	Aquatic (sediment)	SEDIMENT	EPA Region-IV	0.13	mg/kg	0736	0001
Mercury (inorganic)	HGI	Aquatic (water)	WATER	AWQC	1.3	µg/L	0733	0001
Mercury (inorganic)	HGI	Bird	SEDIMENT	chronic NOAEL	0.45	mg/kg/d	0344	0017
Mercury (inorganic)	HGI	Bird	SOIL	chronic NOAEL	0.45	mg/kg/d	0344	0017
Mercury (inorganic)	HGI	Bird	WATER	chronic NOAEL	0.45	mg/kg/d	0344	0017
Mercury (inorganic)	HGI	Invertebrate	SOIL	LANL NOEC	0.05	mg/kg	0097	0039
Mercury (inorganic)	HGI	Mammal	SEDIMENT	chronic NOAEL	13	mg/kg/d	0344	0018
Mercury (inorganic)	HGI	Mammal	SOIL	chronic NOAEL	13	mg/kg/d	0344	0018
Mercury (inorganic)	HGI	Mammal	WATER	chronic NOAEL	13	mg/kg/d	0344	0018
Mercury (inorganic)	HGI	Plant	SOIL	LANL NOEC	34.9	mg/kg	0095	0135
Mercury (methyl)	HGM	Aquatic (water)	WATER	Tier II SCV	0.0028	µg/L	0048	0001
Mercury (methyl)	HGM	Bird	SEDIMENT	chronic NOAEL	0.0064	mg/kg/d	0344	0021
Mercury (methyl)	HGM	Bird	SOIL	chronic NOAEL	0.0064	mg/kg/d	0344	0021
Mercury (methyl)	HGM	Bird	WATER	chronic NOAEL	0.0064	mg/kg/d	0344	0021
Mercury (methyl)	HGM	Invertebrate	SOIL	LANL NOEC	2.5	mg/kg	0097	0042
Mercury (methyl)	HGM	Mammal	SEDIMENT	chronic NOAEL	0.032	mg/kg/d	0344	0020
Mercury (methyl)	HGM	Mammal	SOIL	chronic NOAEL	0.032	mg/kg/d	0344	0020
Mercury (methyl)	HGM	Mammal	WATER	chronic NOAEL	0.032	mg/kg/d	0344	0020
Methanol	67-56-1	Mammal	SEDIMENT	chronic NOAEL	500	mg/kg/d	0344	0220
Methanol	67-56-1	Mammal	SOIL	chronic NOAEL	500	mg/kg/d	0344	0220
Methanol	67-56-1	Mammal	WATER	chronic NOAEL	500	mg/kg/d	0344	0220
Methoxychlor[4,4'-]	72-43-5	Aquatic (sediment)	SEDIMENT	EqP	0.03	mg/kg	0711	0001
Methoxychlor[4,4'-]	72-43-5	Aquatic (water)	WATER	NAWQC CCC	0.03	µg/L	0730	0001
Methoxychlor[4,4'-]	72-43-5	Bird	SEDIMENT	chronic NOAEL	20	mg/kg/d	0306	0651
Methoxychlor[4,4'-]	72-43-5	Bird	SOIL	chronic NOAEL	20	mg/kg/d	0306	0651
Methoxychlor[4,4'-]	72-43-5	Bird	WATER	chronic NOAEL	20	mg/kg/d	0306	0651
Methoxychlor[4,4'-]	72-43-5	Mammal	SEDIMENT	chronic NOAEL	4	mg/kg/d	0344	0772
Methoxychlor[4,4'-]	72-43-5	Mammal	SOIL	chronic NOAEL	4	mg/kg/d	0344	0772
Methoxychlor[4,4'-]	72-43-5	Mammal	WATER	chronic NOAEL	4	mg/kg/d	0344	0772
Methyl-2-pentanone[4-]	108-10-1	Mammal	SEDIMENT	chronic NOAEL	25	mg/kg/d	0344	0506
Methyl-2-pentanone[4-]	108-10-1	Mammal	SOIL	chronic NOAEL	25	mg/kg/d	0344	0506
Methyl-2-pentanone[4-]	108-10-1	Mammal	WATER	chronic NOAEL	25	mg/kg/d	0344	0506
Methylene Chloride	75-09-2	Aquatic (sediment)	SEDIMENT	EqP	0.38	mg/kg	0711	0001
Methylene Chloride	75-09-2	Aquatic (water)	WATER	Tier II SCV	2240	µg/L	0727	0001
Methylene Chloride	75-09-2	Mammal	SEDIMENT	chronic NOAEL	5.9	mg/kg/d	0344	0751
Methylene Chloride	75-09-2	Mammal	SOIL	chronic NOAEL	5.9	mg/kg/d	0344	0751
Methylene Chloride	75-09-2	Mammal	WATER	chronic NOAEL	5.9	mg/kg/d	0344	0751
Methylene Chloride	75-09-2	Plant	SOIL	LANL NOEC	1668	mg/kg	0575	0584
Methylnaphthalene[2-]	91-57-6	Aquatic (sediment)	SEDIMENT	EqP	0.18	mg/kg	0711	0001
Methylnaphthalene[2-]	91-57-6	Aquatic (water)	WATER	Tier II SCV	2.08	µg/L	0727	0001
Methylnaphthalene[2-]	91-57-6	Mammal	SEDIMENT	chronic NOAEL	2.5	mg/kg/d	0092	0372
Methylnaphthalene[2-]	91-57-6	Mammal	SOIL	chronic NOAEL	2.5	mg/kg/d	0092	0372
Methylnaphthalene[2-]	91-57-6	Mammal	WATER	chronic NOAEL	2.5	mg/kg/d	0092	0372
Methylphenol[2-]	95-48-7	Mammal	SEDIMENT	chronic NOAEL	220	mg/kg/d	0344	0212
Methylphenol[2-]	95-48-7	Mammal	SOIL	chronic NOAEL	220	mg/kg/d	0344	0212
Methylphenol[2-]	95-48-7	Mammal	WATER	chronic NOAEL	220	mg/kg/d	0344	0212
Molybdenum	MO	Aquatic (water)	WATER	Tier II SCV	239	µg/L	0727	0001
Molybdenum	MO	Bird	SEDIMENT	chronic NOAEL	3.5	mg/kg/d	0344	0596
Molybdenum	MO	Bird	SOIL	chronic NOAEL	3.5	mg/kg/d	0344	0596
Molybdenum	MO	Bird	WATER	chronic NOAEL	3.5	mg/kg/d	0344	0596
Molybdenum	MO	Mammal	SEDIMENT	chronic NOAEL	0.26	mg/kg/d	0344	0159
Molybdenum	MO	Mammal	SOIL	chronic NOAEL	0.26	mg/kg/d	0344	0159
Molybdenum	MO	Mammal	WATER	chronic NOAEL	0.26	mg/kg/d	0344	0159
Molybdenum	MO	Plant	SOIL	ORNL benchmark	2	mg/kg	0094	0105
Naphthalene	91-20-3	Aquatic (sediment)	SEDIMENT	EqP	0.47	mg/kg	0711	0001
Naphthalene	91-20-3	Aquatic (water)	WATER	Tier II SCV	23.4	µg/L	0727	0001
Naphthalene	91-20-3	Bird	SEDIMENT	chronic NOAEL	0.139	mg/kg/d	0428	0773
Naphthalene	91-20-3	Bird	SOIL	chronic NOAEL	0.139	mg/kg/d	0428	0773
Naphthalene	91-20-3	Bird	WATER	chronic NOAEL	0.139	mg/kg/d	0428	0773
Naphthalene	91-20-3	Mammal	SEDIMENT	chronic NOAEL	5	mg/kg/d	0092	0602
Naphthalene	91-20-3	Mammal	SOIL	chronic NOAEL	5	mg/kg/d	0092	0602
Naphthalene	91-20-3	Mammal	WATER	chronic NOAEL	5	mg/kg/d	0092	0602
Nickel	NI	Aquatic (sediment)	SEDIMENT	ERL	39.6	mg/kg	0747	0001
Nickel	NI	Aquatic (water)	WATER	NAWQC CCC	28.9	µg/L	0730	0001
Nickel	NI	Bird	SEDIMENT	chronic NOAEL	77.4	mg/kg/d	0344	0196
Nickel	NI	Bird	SOIL	chronic NOAEL	77.4	mg/kg/d	0344	0196
Nickel	NI	Bird	WATER	chronic NOAEL	77.4	mg/kg/d	0344	0196
Nickel	NI	Invertebrate	SOIL	LANL NOEC	100	mg/kg	0097	0030
Nickel	NI	Mammal	SEDIMENT	chronic NOAEL	40	mg/kg/d	0344	0195
Nickel	NI	Mammal	SOIL	chronic NOAEL	40	mg/kg/d	0344	0195
Nickel	NI	Mammal	WATER	chronic NOAEL	40	mg/kg/d	0344	0195
Nickel	NI	Plant	SOIL	LANL NOEC	20	mg/kg	0095	0001
Niobium	NB	Mammal	SEDIMENT	chronic NOAEL	0.16	mg/kg/d	0344	0007
Niobium	NB	Mammal	SOIL	chronic NOAEL	0.16	mg/kg/d	0344	0007
Niobium	NB	Mammal	WATER	chronic NOAEL	0.16	mg/kg/d	0344	0007
Nitrate (expressed as NO3)	NO3(-1)	Aquatic (water)	WATER	Tier II	703.7	µg/L	0711	0001
Nitrate (expressed as NO3)	NO3(-1)	Mammal	SEDIMENT	chronic NOAEL	500	mg/kg/d	0344	0224
Nitrate (expressed as NO3)	NO3(-1)	Mammal	SOIL	chronic NOAEL	500	mg/kg/d	0344	0224
Nitrate (expressed as NO3)	NO3(-1)	Mammal	WATER	chronic NOAEL	500	mg/kg/d	0344	0224
Nitrobenzene	98-95-3	Aquatic (water)	WATER	EPA Region-IV	270	µg/L	0736	0001
Nitrobenzene	98-95-3	Invertebrate	SOIL	LANL NOEC	22.6	mg/kg	0097	0276
Nitrobenzene	98-95-3	Mammal	SEDIMENT	chronic NOAEL	7	mg/kg/d	0102	0368
Nitrobenzene	98-95-3	Mammal	SOIL	chronic NOAEL	7	mg/kg/d	0102	0368
Nitrobenzene	98-95-3	Mammal	WATER	chronic NOAEL	7	mg/kg/d	0102	0368
Nitroglycerine	55-63-0	Mammal	SEDIMENT	chronic NOAEL	96.4	mg/kg/d	0715	0363
Nitroglycerine	55-63-0	Mammal	SOIL	chronic NOAEL	96.4	mg/kg/d	0715	0363
Nitroglycerine	55-63-0	Mammal	WATER	chronic NOAEL	96.4	mg/kg/d	0715	0363
Nitrophenol[4-]	100-02-7	Invertebrate	SOIL	LANL NOEC	3.8	mg/kg	0097	0276
Nitrosodiphenylamine[N-]	86-30-6	Invertebrate	SOIL	LANL NOEC	10.9	mg/kg	0097	0276
Nitrotoluene[2-]	88-72-2	Mammal	SEDIMENT	chronic NOAEL	1.8	mg/kg/d	0104	0464
Nitrotoluene[2-]	88-72-2	Mammal	SOIL	chronic NOAEL	1.8	mg/kg/d	0104	0464
Nitrotoluene[2-]	88-72-2	Mammal	WATER	chronic NOAEL	1.8	mg/kg/d	0104	0464
Nitrotoluene[3-]	99-08-1	Mammal	SEDIMENT	chronic NOAEL	2.2	mg/kg/d	0104	0464
Nitrotoluene[3-]	99-08-1	Mammal	SOIL	chronic NOAEL	2.2	mg/kg/d	0104	0464
Nitrotoluene[3-]	99-08-1	Mammal	WATER	chronic NOAEL	2.2	mg/kg/d	0104	0464
Nitrotoluene[4-]	99-99-0	Mammal	SEDIMENT	chronic NOAEL	4	mg/kg/d	0104	0464
Nitrotoluene[4-]	99-99-0	Mammal	SOIL	chronic NOAEL	4	mg/kg/d	0104	0464
Nitrotoluene[4-]	99-99-0	Mammal	WATER	chronic NOAEL	4	mg/kg/d	0104	0464
Pentachloroaniline	527-20-8	Invertebrate	SOIL	LANL NOEC	82.5	mg/kg	0097	0273
Pentachlorobenzene	608-93-5	Invertebrate	SOIL	LANL NOEC	11.5	mg/kg	0097	0280
Pentachlorodibenzofuran[1,2,3	57117-41-6	Mammal	SEDIMENT	chronic NOAEL	0.48	mg/kg/d	0344	0218
Pentachlorodibenzofuran[1,2,3	57117-41-6	Mammal	SOIL	chronic NOAEL	0.48	mg/kg/d	0344	0218
Pentachlorodibenzofuran[1,2,3	57117-41-6	Mammal	WATER	chronic NOAEL	0.48	mg/kg/d	0344	0218
Pentachloronitrobenzene	82-68-8	Aquatic (sediment)	SEDIMENT	EqP	3.6	mg/kg	0711	0001
Pentachloronitrobenzene	82-68-8	Aquatic (water)	WATER	chronic NOEC	10	µg/L	0716	0001
Pentachloronitrobenzene	82-68-8	Bird	SEDIMENT	chronic NOAEL	7.1	mg/kg/d	0344	0197
Pentachloronitrobenzene	82-68-8	Bird	SOIL	chronic NOAEL	7.1	mg/kg/d	0344	0197
Pentachloronitrobenzene	82-68-8	Bird	WATER	chronic NOAEL	7.1	mg/kg/d	0344	0197
Pentachloronitrobenzene	82-68-8	Mammal	SEDIMENT	chronic NOAEL	65	mg/kg/d	0575	0597
Pentachloronitrobenzene	82-68-8	Mammal	SOIL	chronic NOAEL	65	mg/kg/d	0575	0597
Pentachloronitrobenzene	82-68-8	Mammal	WATER	chronic NOAEL	65	mg/kg/d	0575	0597
Pentachlorophenol	87-86-5	Aquatic (sediment)	SEDIMENT	EqP	2.4	mg/kg	0711	0001
Pentachlorophenol	87-86-5	Aquatic (water)	WATER	NAWQC CCC	2.4	µg/L	0730	0001
Pentachlorophenol	87-86-5	Bird	SEDIMENT	chronic NOAEL	3.29	mg/kg/d	0575	0707
Pentachlorophenol	87-86-5	Bird	SOIL	chronic NOAEL	3.29	mg/kg/d	0575	0707
Pentachlorophenol	87-86-5	Bird	WATER	chronic NOAEL	3.29	mg/kg/d	0575	0707
Pentachlorophenol	87-86-5	Invertebrate	SOIL	LANL NOEC	10	mg/kg	0097	0269
Pentachlorophenol	87-86-5	Mammal	SEDIMENT	chronic NOAEL	0.24	mg/kg/d	0344	0198
Pentachlorophenol	87-86-5	Mammal	SOIL	chronic NOAEL	0.24	mg/kg/d	0344	0198
Pentachlorophenol	87-86-5	Mammal	WATER	chronic NOAEL	0.24	mg/kg/d	0344	0198
Pentachlorophenol	87-86-5	Plant	SOIL	LANL NOEC	0.32	mg/kg	0095	0257
PETN	78-11-5	Mammal	SEDIMENT	chronic NOAEL	5900	mg/kg/d	0101	0363
PETN	78-11-5	Mammal	SOIL	chronic NOAEL	5900	mg/kg/d	0101	0363
PETN	78-11-5	Mammal	WATER	chronic NOAEL	5900	mg/kg/d	0101	0363
Phenanthrene	85-01-8	Aquatic (sediment)	SEDIMENT	FCV	0.85	mg/kg	0733	0001
Phenanthrene	85-01-8	Aquatic (water)	WATER	Tier I FCV	6.3	µg/L	0735	0001
Phenanthrene	85-01-8	Mammal	SEDIMENT	chronic NOAEL	51.4	mg/kg/d	0575	0606
Phenanthrene	85-01-8	Mammal	SOIL	chronic NOAEL	51.4	mg/kg/d	0575	0606
Phenanthrene	85-01-8	Mammal	WATER	chronic NOAEL	51.4	mg/kg/d	0575	0606
Phenol	108-95-2	Aquatic (water)	WATER	Tier II SCV	117	µg/L	0727	0001
Phenol	108-95-2	Invertebrate	SOIL	LANL NOEC	3900	mg/kg	0097	0272
Phenol	108-95-2	Mammal	SEDIMENT	chronic NOAEL	60	mg/kg/d	0141	0474
Phenol	108-95-2	Mammal	SOIL	chronic NOAEL	60	mg/kg/d	0141	0474
Phenol	108-95-2	Mammal	WATER	chronic NOAEL	60	mg/kg/d	0141	0474
Phenol	108-95-2	Plant	SOIL	LANL NOEC	7.9	mg/kg	0095	0257
Polychlorinated Biphenyls	1336-36-3	Aquatic (sediment)	SEDIMENT	TEL	0.03162	mg/kg	0747	0001
Pyrene	129-00-0	Aquatic (sediment)	SEDIMENT	ERL	0.57	mg/kg	0747	0001
Pyrene	129-00-0	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Pyrene	129-00-0	Mammal	SEDIMENT	chronic NOAEL	7.5	mg/kg/d	0092	0372
Pyrene	129-00-0	Mammal	SOIL	chronic NOAEL	7.5	mg/kg/d	0092	0372
Pyrene	129-00-0	Mammal	WATER	chronic NOAEL	7.5	mg/kg/d	0092	0372
RDX	121-82-4	Invertebrate	SOIL	chronic NOEC	500	mg/kg	0903	0784
RDX	121-82-4	Mammal	SEDIMENT	chronic NOAEL	10	mg/kg/d	0903	0853
RDX	121-82-4	Mammal	SOIL	chronic NOAEL	10	mg/kg/d	0903	0853
RDX	121-82-4	Mammal	WATER	chronic NOAEL	10	mg/kg/d	0903	0853
RDX	121-82-4	Plant	SOIL	SNL benchmark	100	mg/kg	0092	0468
Selenium	SE	Aquatic (sediment)	SEDIMENT	AET	1	mg/kg	0735	0001
Selenium	SE	Aquatic (water)	WATER	NM Stream STD	2	µg/L	0732	0001
Selenium	SE	Bird	SEDIMENT	chronic NOAEL	0.44	mg/kg/d	0344	0024
Selenium	SE	Bird	SOIL	chronic NOAEL	0.44	mg/kg/d	0344	0024
Selenium	SE	Bird	WATER	chronic NOAEL	0.44	mg/kg/d	0344	0024
Selenium	SE	Invertebrate	SOIL	LANL NOEC	7.7	mg/kg	0097	0043
Selenium	SE	Mammal	SEDIMENT	chronic NOAEL	0.2	mg/kg/d	0344	0022
Selenium	SE	Mammal	SOIL	chronic NOAEL	0.2	mg/kg/d	0344	0022
Selenium	SE	Mammal	WATER	chronic NOAEL	0.2	mg/kg/d	0344	0022
Selenium	SE	Plant	SOIL	LANL NOEC	0.5	mg/kg	0095	0137
Silver	AG	Aquatic (sediment)	SEDIMENT	ERL	1	mg/kg	0100	0001
Silver	AG	Aquatic (water)	WATER	Tier II SCV	0.36	µg/L	0727	0001
Silver	AG	Bird	SEDIMENT	chronic NOAEL	5.44	mg/kg/d	0903	0629
Silver	AG	Bird	SOIL	chronic NOAEL	5.44	mg/kg/d	0903	0629
Silver	AG	Bird	WATER	chronic NOAEL	5.44	mg/kg/d	0903	0629
Silver	AG	Mammal	SEDIMENT	chronic NOAEL	2	mg/kg-d	0858	0664
Silver	AG	Mammal	SOIL	chronic NOAEL	2	mg/kg-d	0858	0664
Silver	AG	Mammal	WATER	chronic NOAEL	2	mg/kg-d	0858	0664
Silver	AG	Plant	SOIL	chronic NOEC	0.05	mg/kg	0903	0641
Strontium (stable)	SR	Aquatic (water)	WATER	Tier II SCV	620	µg/L	0727	0001
Strontium (stable)	SR	Mammal	SEDIMENT	chronic NOAEL	25	mg/kg/d	0715	0225
Strontium (stable)	SR	Mammal	SOIL	chronic NOAEL	25	mg/kg/d	0715	0225
Strontium (stable)	SR	Mammal	WATER	chronic NOAEL	25	mg/kg/d	0715	0225
Styrene	100-42-5	Plant	SOIL	ORNL benchmark	300	mg/kg	0094	0257
Technetium	TC	Plant	SOIL	ORNL benchmark	0.2	mg/kg	0094	0249
Tetrachloroaniline[2,3,5,6-]	3481-20-7	Invertebrate	SOIL	LANL NOEC	11.6	mg/kg	0097	0273
Tetrachloroaniline[2,3,5,6-]	3481-20-7	Plant	SOIL	ORNL benchmark	20	mg/kg	0094	0258
Tetrachlorobenzene[1,2,3,4-]	634-66-2	Invertebrate	SOIL	LANL NOEC	7.5	mg/kg	0097	0280
Tetrachlorodibenzodioxin[2,3,	1746-01-6	Aquatic (sediment)	SEDIMENT	UET	0.0000088	mg/kg	0735	0001
Tetrachlorodibenzodioxin[2,3,	1746-01-6	Aquatic (water)	WATER	chronic NOEC	0.0000038	µg/L	0716	0001
Tetrachlorodibenzodioxin[2,3,	1746-01-6	Bird	SEDIMENT	chronic NOAEL	0.000014	mg/kg/d	0344	0201
Tetrachlorodibenzodioxin[2,3,	1746-01-6	Bird	SOIL	chronic NOAEL	0.000014	mg/kg/d	0344	0201
Tetrachlorodibenzodioxin[2,3,	1746-01-6	Bird	WATER	chronic NOAEL	0.000014	mg/kg/d	0344	0201
Tetrachlorodibenzodioxin[2,3,	1746-01-6	Invertebrate	SOIL	LANL NOEC	5	mg/kg	0575	0598
Tetrachlorodibenzodioxin[2,3,	1746-01-6	Mammal	SEDIMENT	chronic NOAEL	0.000001	mg/kg/d	0344	0200
Tetrachlorodibenzodioxin[2,3,	1746-01-6	Mammal	SOIL	chronic NOAEL	0.000001	mg/kg/d	0344	0200
Tetrachlorodibenzodioxin[2,3,	1746-01-6	Mammal	WATER	chronic NOAEL	0.000001	mg/kg/d	0344	0200
Tetrachlorodibenzofuran[2,3,	51207-31-9	Bird	SEDIMENT	chronic NOAEL	0.00001	mg/kg/d	0344	0202
Tetrachlorodibenzofuran[2,3,	51207-31-9	Bird	SOIL	chronic NOAEL	0.00001	mg/kg/d	0344	0202
Tetrachlorodibenzofuran[2,3,	51207-31-9	Bird	WATER	chronic NOAEL	0.00001	mg/kg/d	0344	0202
Tetrachloroethane[1,1,2,2-]	79-34-5	Aquatic (sediment)	SEDIMENT	EqP	0.94	mg/kg	0711	0001
Tetrachloroethane[1,1,2,2-]	79-34-5	Aquatic (water)	WATER	Tier II SCV	418	µg/L	0727	0001
Tetrachloroethane[1,1,2,2-]	79-34-5	Mammal	SEDIMENT	chronic NOAEL	14	mg/kg/d	0092	0685
Tetrachloroethane[1,1,2,2-]	79-34-5	Mammal	SOIL	chronic NOAEL	14	mg/kg/d	0092	0685
Tetrachloroethane[1,1,2,2-]	79-34-5	Mammal	WATER	chronic NOAEL	14	mg/kg/d	0092	0685
Tetrachloroethene	127-18-4	Aquatic (sediment)	SEDIMENT	EqP	0.53	mg/kg	0711	0001

Tetrachloroethene	127-18-4	Aquatic (water)	WATER	Tier II SCV	125	µg/L	0727	0001
Tetrachloroethene	127-18-4	Mammal	SEDIMENT	chronic NOAEL	1.4	mg/kg/d	0344	0206
Tetrachloroethene	127-18-4	Mammal	SOIL	chronic NOAEL	1.4	mg/kg/d	0344	0206
Tetrachloroethene	127-18-4	Mammal	WATER	chronic NOAEL	1.4	mg/kg/d	0344	0206
Tetrachlorophenol[2,3,4,5-]	4901-51-3	Invertebrate	SOIL	LANL NOEC	11.6	mg/kg	0097	0278
Tetryl	479-45-8	Mammal	SEDIMENT	chronic NOAEL	1.3	mg/kg/d	0680	0366
Tetryl	479-45-8	Mammal	SOIL	chronic NOAEL	1.3	mg/kg/d	0680	0366
Tetryl	479-45-8	Mammal	WATER	chronic NOAEL	1.3	mg/kg/d	0680	0366
Tetryl	479-45-8	Plant	SOIL	SNL benchmark	25	mg/kg	0092	0377
Thallium	TL	Aquatic (water)	WATER	Tier II SCV	18	µg/L	0727	0001
Thallium	TL	Mammal	SEDIMENT	chronic NOAEL	0.071	mg/kg-d	0858	0027
Thallium	TL	Mammal	SOIL	chronic NOAEL	0.071	mg/kg-d	0858	0027
Thallium	TL	Mammal	WATER	chronic NOAEL	0.071	mg/kg-d	0858	0027
Thallium	TL	Plant	SOIL	chronic NOEC	0.1	mg/kg	0903	0619
Tin	SN	Bird	SEDIMENT	chronic NOAEL	6.8	mg/kg/d	0344	0227
Tin	SN	Bird	SOIL	chronic NOAEL	6.8	mg/kg/d	0344	0227
Tin	SN	Bird	WATER	chronic NOAEL	6.8	mg/kg/d	0344	0227
Tin	SN	Mammal	SEDIMENT	chronic NOAEL	23	mg/kg/d	0344	0226
Tin	SN	Mammal	SOIL	chronic NOAEL	23	mg/kg/d	0344	0226
Tin	SN	Mammal	WATER	chronic NOAEL	23	mg/kg/d	0344	0226
Tin	SN	Plant	SOIL	ORNL benchmark	50	mg/kg	0094	0250
Titanium	TI	Mammal	SEDIMENT	chronic NOAEL	15.8	mg/kg/d	0092	0258
Titanium	TI	Mammal	SOIL	chronic NOAEL	15.8	mg/kg/d	0092	0258
Titanium	TI	Mammal	WATER	chronic NOAEL	15.8	mg/kg/d	0092	0258
Toluene	108-88-3	Aquatic (sediment)	SEDIMENT	EqP	0.67	mg/kg	0711	0001
Toluene	108-88-3	Aquatic (water)	WATER	Tier II SCV	133	µg/L	0727	0001
Toluene	108-88-3	Mammal	SEDIMENT	chronic NOAEL	26	mg/kg/d	0344	0718
Toluene	108-88-3	Mammal	SOIL	chronic NOAEL	26	mg/kg/d	0344	0718
Toluene	108-88-3	Mammal	WATER	chronic NOAEL	26	mg/kg/d	0344	0718
Toluene	108-88-3	Plant	SOIL	LANL NOEC	200	mg/kg	0095	0259
Toxaphene (Technical Grade	8001-35-2	Aquatic (sediment)	SEDIMENT	EqP	0.00051	mg/kg	0711	0001
Toxaphene (Technical Grade	8001-35-2	Aquatic (water)	WATER	NAWQC CCC	0.0002	µg/L	0730	0001
Toxaphene (Technical Grade	8001-35-2	Bird	SEDIMENT	chronic NOAEL	10	mg/kg/d	0575	0587
Toxaphene (Technical Grade	8001-35-2	Bird	SOIL	chronic NOAEL	10	mg/kg/d	0575	0587
Toxaphene (Technical Grade	8001-35-2	Bird	WATER	chronic NOAEL	10	mg/kg/d	0575	0587
Toxaphene (Technical Grade	8001-35-2	Mammal	SEDIMENT	chronic NOAEL	8	mg/kg/d	0344	0775
Toxaphene (Technical Grade	8001-35-2	Mammal	SOIL	chronic NOAEL	8	mg/kg/d	0344	0775
Toxaphene (Technical Grade	8001-35-2	Mammal	WATER	chronic NOAEL	8	mg/kg/d	0344	0775
Trichloroaniline[2,4,5-]	636-30-6	Invertebrate	SOIL	LANL NOEC	13.4	mg/kg	0097	0273
Trichloroaniline[2,4,5-]	636-30-6	Plant	SOIL	ORNL benchmark	20	mg/kg	0094	0258
Trichlorobenzene[1,2,3-]	87-61-6	Invertebrate	SOIL	LANL NOEC	11.5	mg/kg	0097	0275
Trichlorobenzene[1,2,4-]	120-82-1	Aquatic (sediment)	SEDIMENT	EqP	9.6	mg/kg	0711	0001
Trichlorobenzene[1,2,4-]	120-82-1	Aquatic (water)	WATER	Tier II SCV	110	µg/L	0733	0001
Trichlorobenzene[1,2,4-]	120-82-1	Invertebrate	SOIL	LANL NOEC	12.7	mg/kg	0097	0276
Trichlorobenzene[1,2,4-]	120-82-1	Mammal	SEDIMENT	chronic NOAEL	1.48	mg/kg/d	0092	0476
Trichlorobenzene[1,2,4-]	120-82-1	Mammal	SOIL	chronic NOAEL	1.48	mg/kg/d	0092	0476
Trichlorobenzene[1,2,4-]	120-82-1	Mammal	WATER	chronic NOAEL	1.48	mg/kg/d	0092	0476
Trichloroethane[1,1,1-]	71-55-6	Aquatic (sediment)	SEDIMENT	EqP	0.17	mg/kg	0711	0001
Trichloroethane[1,1,1-]	71-55-6	Aquatic (water)	WATER	Tier II SCV	62.1	µg/L	0727	0001
Trichloroethane[1,1,1-]	71-55-6	Mammal	SEDIMENT	chronic NOAEL	1000	mg/kg/d	0344	0685
Trichloroethane[1,1,1-]	71-55-6	Mammal	SOIL	chronic NOAEL	1000	mg/kg/d	0344	0685
Trichloroethane[1,1,1-]	71-55-6	Mammal	WATER	chronic NOAEL	1000	mg/kg/d	0344	0685
Trichloroethene	79-01-6	Aquatic (sediment)	SEDIMENT	EqP	1.6	mg/kg	0711	0001
Trichloroethene	79-01-6	Aquatic (water)	WATER	Tier II SCV	351	µg/L	0727	0001
Trichloroethene	79-01-6	Mammal	SEDIMENT	chronic NOAEL	0.7	mg/kg/d	0344	0206
Trichloroethene	79-01-6	Mammal	SOIL	chronic NOAEL	0.7	mg/kg/d	0344	0206
Trichloroethene	79-01-6	Mammal	WATER	chronic NOAEL	0.7	mg/kg/d	0344	0206
Trichlorophenol[2,4,5-]	95-95-4	Invertebrate	SOIL	LANL NOEC	4.6	mg/kg	0097	0275
Trichlorophenol[2,4,5-]	95-95-4	Plant	SOIL	ORNL benchmark	4	mg/kg	0094	0258
Trichlorophenol[2,4,6-]	88-06-2	Invertebrate	SOIL	LANL NOEC	5.8	mg/kg	0097	0276
Trinitrobenzene[1,3,5-]	99-35-4	Mammal	SEDIMENT	chronic NOAEL	13.44	mg/kg/d	0903	0854
Trinitrobenzene[1,3,5-]	99-35-4	Mammal	SOIL	chronic NOAEL	13.44	mg/kg/d	0903	0854
Trinitrobenzene[1,3,5-]	99-35-4	Mammal	WATER	chronic NOAEL	13.44	mg/kg/d	0903	0854
Trinitrotoluene[2,4,6-]	118-96-7	Invertebrate	SOIL	chronic NOEC	0.3	mg/kg	0715	0468
Trinitrotoluene[2,4,6-]	118-96-7	Mammal	SEDIMENT	chronic NOAEL	34.7	mg/kg/d	0715	0464
Trinitrotoluene[2,4,6-]	118-96-7	Mammal	SOIL	chronic NOAEL	34.7	mg/kg/d	0715	0464
Trinitrotoluene[2,4,6-]	118-96-7	Mammal	WATER	chronic NOAEL	34.7	mg/kg/d	0715	0464
Trinitrotoluene[2,4,6-]	118-96-7	Plant	SOIL	chronic NOEC	3	mg/kg	0715	0468
Uranium	U	Aquatic (water)	WATER	Tier II SCV	1.87	µg/L	0727	0001
Uranium	U	Bird	SEDIMENT	chronic NOAEL	8.3	mg/kg/d	0715	0207
Uranium	U	Bird	SOIL	chronic NOAEL	8.3	mg/kg/d	0715	0207
Uranium	U	Bird	WATER	chronic NOAEL	8.3	mg/kg/d	0715	0207
Uranium	U	Mammal	SEDIMENT	chronic NOAEL	6.1	mg/kg/d	0715	0205
Uranium	U	Mammal	SOIL	chronic NOAEL	6.1	mg/kg/d	0715	0205
Uranium	U	Mammal	WATER	chronic NOAEL	6.1	mg/kg/d	0715	0205
Uranium	U	Plant	SOIL	chronic NOEC	5	mg/kg	0715	0251
Vanadium	V	Aquatic (water)	WATER	Tier II SCV	19.1	µg/L	0727	0001
Vanadium	V	Bird	SEDIMENT	chronic NOAEL	1.1	mg/kg/d	0715	0209
Vanadium	V	Bird	SOIL	chronic NOAEL	1.1	mg/kg/d	0715	0209
Vanadium	V	Bird	WATER	chronic NOAEL	1.1	mg/kg/d	0715	0209
Vanadium	V	Mammal	SEDIMENT	chronic NOAEL	2.1	mg/kg/d	0715	0208
Vanadium	V	Mammal	SOIL	chronic NOAEL	2.1	mg/kg/d	0715	0208
Vanadium	V	Mammal	WATER	chronic NOAEL	2.1	mg/kg/d	0715	0208
Vanadium	V	Plant	SOIL	LANL NOEC	0.25	mg/kg	0095	0252
Vinyl Chloride	75-01-4	Mammal	SEDIMENT	chronic NOAEL	0.17	mg/kg/d	0344	0752
Vinyl Chloride	75-01-4	Mammal	SOIL	chronic NOAEL	0.17	mg/kg/d	0344	0752
Vinyl Chloride	75-01-4	Mammal	WATER	chronic NOAEL	0.17	mg/kg/d	0344	0752
Xylene (Total)	1330-20-7	Aquatic (sediment)	SEDIMENT	EqP	1.1	mg/kg	0711	0001
Xylene (Total)	1330-20-7	Aquatic (water)	WATER	Tier II SCV	86.2	µg/L	0727	0001
Xylene (Total)	1330-20-7	Bird	SEDIMENT	chronic NOAEL	0.777	mg/kg/d	0428	0707
Xylene (Total)	1330-20-7	Bird	SOIL	chronic NOAEL	0.777	mg/kg/d	0428	0707
Xylene (Total)	1330-20-7	Bird	WATER	chronic NOAEL	0.777	mg/kg/d	0428	0707
Xylene (Total)	1330-20-7	Mammal	SEDIMENT	chronic NOAEL	2.1	mg/kg/d	0344	0211
Xylene (Total)	1330-20-7	Mammal	SOIL	chronic NOAEL	2.1	mg/kg/d	0344	0211
Xylene (Total)	1330-20-7	Mammal	WATER	chronic NOAEL	2.1	mg/kg/d	0344	0211
Xylene (Total)	1330-20-7	Plant	SOIL	LANL NOEC	100	mg/kg	0575	0586
Zinc	ZN	Aquatic (sediment)	SEDIMENT	ERL	159	mg/kg	0747	0001
Zinc	ZN	Aquatic (water)	WATER	NAWQC CCC	66	µg/L	0730	0001
Zinc	ZN	Bird	SEDIMENT	chronic NOAEL	129	mg/kg/d	0903	0662
Zinc	ZN	Bird	SOIL	chronic NOAEL	129	mg/kg/d	0903	0662
Zinc	ZN	Bird	WATER	chronic NOAEL	129	mg/kg/d	0903	0662
Zinc	ZN	Invertebrate	SOIL	chronic NOEC	350	mg/kg	0903	0302
Zinc	ZN	Mammal	SEDIMENT	chronic NOAEL	160	mg/kg/d	0344	0028
Zinc	ZN	Mammal	SOIL	chronic NOAEL	160	mg/kg/d	0344	0028
Zinc	ZN	Mammal	WATER	chronic NOAEL	160	mg/kg/d	0344	0028
Zinc	ZN	Plant	SOIL	LANL NOEC	10	mg/kg	0095	0122
Zirconium	ZR	Mammal	SEDIMENT	chronic NOAEL	1.7	mg/kg/d	0344	0007
Zirconium	ZR	Mammal	SOIL	chronic NOAEL	1.7	mg/kg/d	0344	0007
Zirconium	ZR	Mammal	WATER	chronic NOAEL	1.7	mg/kg/d	0344	0007

Availability of Toxicity Reference Values (TRVs)

High Explosives (HEs) Listed as COPECs	Analyte Code	Birds	Invertebrates	Mammals	Plants
Amino-2,6-dinitrotoluene[4-]	19406-51-0			X	X
Amino-4,6-dinitrotoluene[2-]	35572-78-2			X	X
Dinitrobenzene[1,3-]	99-65-0	X		X	
Dinitrotoluene[2,4-]	121-14-2			X	
Dinitrotoluene[2,6-]	606-20-2			X	
HMX	2691-41-0		X	X	
Nitroglycerine	55-63-0			X	
Nitrotoluene[2-]	88-72-2			X	
Nitrotoluene[3-]	99-08-1			X	
Nitrotoluene[4-]	99-99-0			X	
PETN	78-11-5			X	
RDX	121-82-4		X	X	X
Tetryl	479-45-8			X	X
Trinitrobenzene[1,3,5-]	99-35-4			X	
Trinitrotoluene[2,4,6-]	118-96-7	X		X	X

Current TRVs for HEs

High Explosives (HEs) Listed as COPECs	Analyte Code	Organism Group	TRV	Source of TRV	Type of TRV
Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	1.93	SNL value	Secondary
Amino-2,6-dinitrotoluene[4-]	19406-51-0	Plant	80	LANL derived value based on reviewed primary data	CS
Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	2.81	SNL value	Secondary
Amino-4,6-dinitrotoluene[2-]	35572-78-2	Plant	80	LANL derived value based on reviewed primary data	CS
Dinitrobenzene[1,3-]	99-65-0	Bird	0.42	EPA Region VI Screening value	Secondary
Dinitrobenzene[1,3-]	99-65-0	Mammal	0.11	ORNL value	Secondary
Dinitrotoluene[2,4-]	121-14-2	Mammal	0.54	SNL value	Secondary
Dinitrotoluene[2,6-]	606-20-2	Mammal	0.36	SNL value	Secondary
HMX	2691-41-0	Invertebrate	500	LANL derived value based on reviewed primary data	CS
HMX	2691-41-0	Mammal	75	LANL derived value based on reviewed primary data	CS
Nitroglycerine	55-63-0	Mammal	96.4	LANL derived value based on reviewed primary data	CS
Nitrotoluene[2-]	88-72-2	Mammal	1.79	SNL value	Secondary
Nitrotoluene[3-]	99-08-1	Mammal	2.16	SNL value	Secondary
Nitrotoluene[4-]	99-99-0	Mammal	3.94	SNL value	Secondary
PETN	78-11-5	Mammal	5868	SNL value	Secondary
RDX	121-82-4	Invertebrate	500	LANL derived value based on reviewed primary data	CS
RDX	121-82-4	Mammal (Food)	8.94	LANL derived value based on reviewed primary data	GMM
RDX	121-82-4	Mammal (Water)	10	LANL derived value based on reviewed primary data	CS
RDX	121-82-4	Plant	100	SNL value	Secondary
Tetryl	479-45-8	Mammal	1.6	ORNL value	Secondary
Tetryl	479-45-8	Plant	25	SNL value	Secondary
Trinitrobenzene[1,3,5-]	99-35-4	Mammal	13.4	LANL derived value based on reviewed primary data	CS
Trinitrotoluene[2,4,6-]	118-96-7	Bird	9.75	LANL derived value based on reviewed primary data	CS
Trinitrotoluene[2,4,6-]	118-96-7	Mammal	34.7	LANL derived value based on reviewed primary data	CS
Trinitrotoluene[2,4,6-]	118-96-7	Plant	80	LANL derived value based on reviewed primary data	CS

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References for HE PTSEs and Status

Reference ID	High Explosives (HEs) Listed as COPECs	Analyte Code	Organism Group ID	PTSE Status*	Full citation**
0123	Dinitrotoluene[2,4-]	121-14-2	Plant	NS	Adema, DMM, and L Henzen. 1989. A Comparison of Plant Toxicities of Some Industrial Chemicals in Soil Culture and Soilless Culture. Ecotoxicol Environ Saf, 18:219-229.
0357	Dinitrobenzene[1,3-]	99-65-0	Mammal	NS	Cody, TE, S Witherup, L Hastings, K Stemmer, and RT Christian. 1981. 1,3-Dinitrobenzene: Toxic Effects in vivo and in vitro. J Toxicol Environ Health, 7:829-847.
0357	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	NR-No applicable data	
0358	Amino-2,6-dinitrotoluene[4-	19406-51-0	Mammal	NR-Secondary data	Registry of Toxic Effects of Chemical Substances (RTECS) 1997, produced by Micromedex
0358	Amino-4,6-dinitrotoluene[2-	35572-78-2	Mammal	NR-Secondary data	
0358	Nitrotoluene[2-	88-72-2	Mammal	NR-Secondary data	
0358	Nitrotoluene[3-	99-08-1	Mammal	NR-Secondary data	
0358	Nitrotoluene[4-	99-99-0	Mammal	NR-Secondary data	
0358	PETN	78-11-5	Mammal	NR-Secondary data	
0361	Nitroglycerine	55-63-0	Mammal	C-DB	Ellis, HV, III, CB Hong, CC Lee, JC Dacre and JP Glennon. 1984. Subacute and Chronic Toxicity Studies of Trinitroglycerin in Dogs, Rats, and Mice. Fundamental and Applied Toxicology, 4:248-260.
0361	PETN	78-11-5	Mammal	NR-No applicable data	
0379	Amino-2,6-dinitrotoluene[4-	19406-51-0	Plant	C-DB	Pennington, JC. 1988. Soil Sorption and Plant Uptake of 2,4,6-Trinitrotoluene. AD A200 502. Technical Report EL-88-12. US Army Biomedical Research and Development Laboratory, Fort Detrick, Frederick, MD.
0379	Amino-4,6-dinitrotoluene[2-	35572-78-2	Plant	C-DB	
0379	Trinitrotoluene[2,4,6-]	118-96-7	Plant	C-DB	
0464	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	C-DB	Dilley, JV, CA Tyson, RJ Spanngord, DP Sasmore, GW Newett, and JC Dacre. 1982. Short-term oral toxicity of 2,4,6-trinitrotoluene in mice, rats and dogs. J Toxicol Environ Health, 9:565-585.
0465	HMX	2691-41-0	Mammal	C-DB	Everett, DJ and SM Maddock. 1985. HMX: 13 Week Toxicity Study In Mice By Dietary Administration. AD A1771602. Final Report to the US Army. Inveresk Research International. Ltd. Musselburgh, Scotland.
0468	RDX	121-82-4	Plant	NR-No applicable data	Simini, M, RS Wentsel, RT Checkai, CT Phillips, NA Chester, MA Major, and JC Amos. 1995. Evaluation of soil toxicity at Joliet Army Ammunition Plant. Environmental Toxicology and Chemistry, 14:623-630.
0468	Trinitrotoluene[2,4,6-	118-96-7	Invertebrate	C-DB	
0468	Trinitrotoluene[2,4,6-]	118-96-7	Plant	C-DB	
0560	RDX	121-82-4	Mammal	C-DB	Levine, BS, EM Furedi, VS Rac, DE Gordon, and PM Lish. 1983. Determination of the Chronic Mammalian Toxicological Effects of RDX: Twenty-Four Month Chronic Toxicity/ Carcinogenicity Study of Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) in the Fischer 344 Rat. Final Report - Phase V, Volume 1. U.S. Army Medical Research and Development Command, Fort Detrick, Frederick, MD, AD-A160774.
0776	RDX	121-82-4	Plant	NR-No applicable data	Thompson, P, L Ramer, and J Schnoor. 1999. Hexahydro-1,3,5-trinitro-1,3,5-triazine translocation in poplar trees. Environmental Toxicology and Chemistry 18:279-284.
0779	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Plant	NR-Plant solution exposure data	Peterson MM, GL Horst, PJ Shea, SD Comfort, and RKD Peterson. 1996. TNT and 4-amino-2,6-dinitrotoluene influence on germination and early seedling development of tall fescue. Environmental Pollution, 93(1):57-62.
0783	HMX	2691-41-0	Mammal	C-DB	Everett DJ, Johnson IR, Huson P, and Jones M. 1985. HMX: 13 Week Toxicity Study In Rats by Dietary Administration. AD A1771601. Final report to the US Army. Inveresk Research International. Ltd. Musselburgh, Scotland.
0784	HMX	2691-41-0	Invertebrate	C-DB	Phillips CT, Checkai RT and Wentsel RS. 1993. Toxicity of selected munitions and munition-contaminated soil on the earthworm (Eisenia foetida). AD-A264 408. Edgewood Research Development & Engineering Center, Aberdeen Proving Ground, MD.
0784	RDX	121-82-4	Invertebrate	C-DB	
0853	RDX	121-82-4	Mammal	C-DB	Hart, ER. 1976. Two-year feeding study in rats. Final report. AD 040161. Litton Bionetics, Inc. Kensington, MD. (N00014-73-C-0162, NR202-043).
0854	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	C-DB	Reddy TV, Daniel FB, Olson GR, Weichman BH, Reddy G. 1996. Chronic toxicity studies on 1,3,5-trinitrobenzene in Fisher-344 rats. USEPA, Cincinnati, OH. ADA315216. U.S. Army Medical Research and Development Command, Frederick, MD.
1216	Trinitrotoluene[2,4,6-]	118-96-7	Bird	C-DB	Gogal, RM Jr., MS Johnson, CT Larsen, MR Prater, RB Duncan, FL Ward, and SD Holladay. 2002. Influence of Dietary 2,4,6-Trinitrotoluene Exposure in the Northern Bobwhite (Colinus virgianus). Environmental Toxicology and Chemistry, 21(1): 81-86.
1291	RDX	121-82-4	Bird	NPR	Gogal, RM, Jr., MS Johnson, CT Larsen, MR Prater, RB Duncan, DL Ward, RB Lee, CJ Salice, B Jortner, and SD Holladay. 2002. Toxicity of RDX in Northern bobwhite. Environmental Toxicology and Chemistry,

** NS = Not Started, NR = Not Reviewed, C-DB = Completed and in Database, and NPR = Needs Peer Review.
**There is also a reference (Ref ID 1195) that has not been registered in the PTSE Tracking Db yet. It is another possible reference for TNT in birds. The citation is as follows: Johnson, MS and MJ McAtee. 2000. Wildlife Toxicity Assessment for 2,4,6-Trinitrotoluene. United States Army Center for Health Promotion and Preventive Medicine (USACHPPM). Project Number 39-EJ-1138-00. Aberdeen Proving Ground, Maryland.

Supplemental Table L.3-1
Availability of Toxicity Reference Values (TRVs) for HE

High Explosives (HEs) Listed as COPECs	Analyte Code	Birds	Invertebrates	Mammals	Plants
Amino-2,6-dinitrotoluene[4-]	19406-51-0			X	X
Amino-4,6-dinitrotoluene[2-]	35572-78-2			X	X
Dinitrobenzene[1,3-]	99-65-0	X		X	
Dinitrotoluene[2,4-]	121-14-2			X	
Dinitrotoluene[2,6-]	606-20-2			X	
HMX	2691-41-0		X	X	
Nitroglycerine	55-63-0			X	
Nitrotoluene[2-]	88-72-2			X	
Nitrotoluene[3-]	99-08-1			X	
Nitrotoluene[4-]	99-99-0			X	
PETN	78-11-5			X	
RDX	121-82-4		X	X	X
Tetryl	479-45-8			X	X
Trinitrobenzene[1,3,5-]	99-35-4			X	
Trinitrotoluene[2,4,6-]	118-96-7	X		X	X

Supplemental Table L.3-2
Current Toxicity Reference Values (TRVs) for HE

High Explosives (HEs) Listed as COPECs	Analyte Code	Organism Group	TRV	Source of TRV	Type of TRV
Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	1.93	SNL value	Secondary
Amino-2,6-dinitrotoluene[4-]	19406-51-0	Plant	80	LANL derived value based on reviewed primary data	CS
Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	2.81	SNL value	Secondary
Amino-4,6-dinitrotoluene[2-]	35572-78-2	Plant	80	LANL derived value based on reviewed primary data	CS
Dinitrobenzene[1,3-]	99-65-0	Bird	0.422	EPA Region VI Screening value	Secondary
Dinitrobenzene[1,3-]	99-65-0	Mammal	0.113	ORNL value	Secondary
Dinitrotoluene[2,4-]	121-14-2	Mammal	0.54	SNL value	Secondary
Dinitrotoluene[2,6-]	606-20-2	Mammal	0.36	SNL value	Secondary
HMX	2691-41-0	Invertebrate	500	LANL derived value based on reviewed primary data	CS
HMX	2691-41-0	Mammal	75	LANL derived value based on reviewed primary data	CS
Nitroglycerine	55-63-0	Mammal	96.4	LANL derived value based on reviewed primary data	CS
Nitrotoluene[2-]	88-72-2	Mammal	1.79	SNL value	Secondary
Nitrotoluene[3-]	99-08-1	Mammal	2.16	SNL value	Secondary
Nitrotoluene[4-]	99-99-0	Mammal	3.94	SNL value	Secondary
PETN	78-11-5	Mammal	5868	SNL value	Secondary
RDX	121-82-4	Invertebrate	500	LANL derived value based on reviewed primary data	CS
RDX	121-82-4	Mammal (Food)	8.94	LANL derived value based on reviewed primary data	GMM
RDX	121-82-4	Mammal (Water)	10	LANL derived value based on reviewed primary data	CS
RDX	121-82-4	Plant	100	SNL value	Secondary
Tetryl	479-45-8	Mammal	1.6	ORNL value	Secondary
Tetryl	479-45-8	Plant	25	SNL value	Secondary
Trinitrobenzene[1,3,5-]	99-35-4	Mammal	13.4	LANL derived value based on reviewed primary data	CS
Trinitrotoluene[2,4,6-]	118-96-7	Bird	9.75	LANL derived value based on reviewed primary data	CS
Trinitrotoluene[2,4,6-]	118-96-7	Mammal	34.7	LANL derived value based on reviewed primary data	CS
Trinitrotoluene[2,4,6-]	118-96-7	Plant	80	LANL derived value based on reviewed primary data	CS

Supplemental Table L.3-3
References for HE Primary Toxicity Study Evaluation (PTSE) and Status

Reference ID	High Explosives (HEs) Listed as COPECs	Analyte Code	Organism Group ID	PTSE Status*	Full citation**
0123	Dinitrotoluene[2,4-]	121-14-2	Plant	NS	Adema, DMM, and L Henzen. 1989. A Comparison of Plant Toxicities of Some Industrial Chemicals in Soil Culture and Soilless Culture. Ecotoxicol Environ Saf, 18:219-229.
0357	Dinitrobenzene[1,3-]	99-65-0	Mammal	NS	Cody, TE, S Witherup, L Hastings, K Stemmer, and RT
0357	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	NR-No applicable data	Christian. 1981. 1,3-Dinitrobenzene: Toxic Effects in vivo
0358	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	NR-Secondary data	Registry of Toxic Effects of Chemical Substances (RTECS)
0358	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	NR-Secondary data	1997, produced by Micromedex
0358	Nitrotoluene[2-]	88-72-2	Mammal	NR-Secondary data	
0358	Nitrotoluene[3-]	99-08-1	Mammal	NR-Secondary data	
0358	Nitrotoluene[4-]	99-99-0	Mammal	NR-Secondary data	
0358	PETN	78-11-5	Mammal	NR-Secondary data	
0361	Nitroglycerine	55-63-0	Mammal	C-DB	Ellis, HV, III, CB Hong, CC Lee, JC Dacre and JP Glennon.
0361	PETN	78-11-5	Mammal	NR-No applicable data	1984. Subacute and Chronic Toxicity Studies of
0379	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Plant	C-DB	Pennington, JC. 1988. Soil Sorption and Plant Uptake of
0379	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Plant	C-DB	2,4,6-Trinitrotoluene. AD A200 502. Technical Report EL-88
0379	Trinitrotoluene[2,4,6-]	118-96-7	Plant	C-DB	12. US Army Biomedical Research and Development
0464	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	C-DB	Dilley, JV, CA Tyson, RJ Spanngord, DP Sasmore, GW Newett, and JC Dacre. 1982. Short-term oral toxicity of 2,4,6-trinitrotoluene in mice, rats and dogs. J Toxicol Environ Health, 9:565-585.
0465	HMX	2691-41-0	Mammal	C-DB	Everett, DJ and SM Maddock. 1985. HMX: 13 Week Toxicity Study In Mice By Dietary Administration. AD A1771602. Final Report to the US Army. Inveresk Research International. Ltd. Musselburgh, Scotland.
0468	RDX	121-82-4	Plant	NR-No applicable data	Simini, M, RS Wentsel, RT Checkai, CT Phillips, NA
0468	Trinitrotoluene[2,4,6-]	118-96-7	Invertebrate	C-DB	Chester, MA Major, and JC Amos. 1995. Evaluation of soil
0468	Trinitrotoluene[2,4,6-]	118-96-7	Plant	C-DB	toxicity at Joliet Army Ammunition Plant. Environmental
0560	RDX	121-82-4	Mammal	C-DB	Levine, BS, EM Furedi, VS Rac, DE Gordon, and PM Lish. 1983. Determination of the Chronic Mammalian Toxicological Effects of RDX: Twenty-Four Month Chronic Toxicity/ Carcinogenicity Study of Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) in the Fischer 344 Rat. Final Report - Phase V, Volume 1. U.S. Army Medical Research and Development Command, Fort Detrick, Frederick, MD, AD-A160774.
0776	RDX	121-82-4	Plant	NR-No applicable data	Thompson, P, L Ramer, and J Schnoor. 1999. Hexahydro-1,3,5-trinitro-1,3,5-triazine translocation in poplar trees. Environmental Toxicology and Chemistry 18:279-284.
0779	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Plant	NR-Plant solution exposure data	Peterson MM, GL Horst, PJ Shea, SD Comfort, and RKD Peterson. 1996. TNT and 4-amino-2,6-dinitrotoluene influence on germination and early seedling development o tall fescue. Environmental Pollution, 93(1):57-62.
0783	HMX	2691-41-0	Mammal	C-DB	Everett DJ, Johnson IR, Huson P, and Jones M. 1985. HMX: 13 Week Toxicity Study In Rats by Dietary Administration. AD A1771601. Final report to the US Army. Inveresk Research International. Ltd. Musselburgh, Scotland.
0784	HMX	2691-41-0	Invertebrate	C-DB	Phillips CT, Checkai RT and Wentsel RS. 1993. Toxicity of
0784	RDX	121-82-4	Invertebrate	C-DB	selected munitions and munition-contaminated soil on the
0853	RDX	121-82-4	Mammal	C-DB	Hart, ER. 1976. Two-year feeding study in rats. Final report. AD 040161. Litton Bionetics, Inc. Kensington, MD. (N00014-73-C-0162, NR202-043).
0854	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	C-DB	Reddy TV, Daniel FB, Olson GR, Weichman BH, Reddy G. 1996. Chronic toxicity studies on 1,3,5-trinitrobenzene in Fisher-344 rats. USEPA, Cincinnati, OH. ADA315216. U.S. Army Medical Research and Development Command, Frederick, MD.
1216	Trinitrotoluene[2,4,6-]	118-96-7	Bird	C-DB	Gogal, RM Jr., MS Johnson, CT Larsen, MR Prater, RB Duncan, FL Ward, and SD Holladay. 2002. Influence of Dietary 2,4,6-Trinitrotoluene Exposure in the Northern Bobwhite (Colinus virgianus). Environmental Toxicology an Chemistry, 21(1): 81-86.
1291	RDX	121-82-4	Bird	NPR	Gogal, RM, Jr., MS Johnson, CT Larsen, MR Prater, RB Duncan, DL Ward, RB Lee, CJ Salice, B Jortner, and SD Holladay. 2002. Toxicity of RDX in Northern bobwhite. Environmental Toxicology and Chemistry,

** NS = Not Started, NR = Not Reviewed, C-DB = Completed and in Database, and NPR = Needs Peer Review.
**There is also a reference (Ref ID 1195) that has not been registered in the PTSE Tracking Db yet. It is another possible reference for TNT in birds. The citation is as follows: Johnson, MS and MJ McAtee. 2000. Wildlife Toxicity Assessment for 2,4,6-Trinitrotoluene. United States Army Center for Health Promotion and Preventive Medicine (USACHPPM). Project Number 39-EJ-1138-00. Aberdeen Proving Ground, Maryland.

Supplemental Table L.4
Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Acenaphthene	83-32-9	Aquatic (sediment)	SEDIMENT	FCV	0.62	mg/kg	0733	0001
Acenaphthene	83-32-9	Aquatic (water)	WATER	Tier I FCV	23	µg/L	0727	0001
Acenaphthene	83-32-9	Mammal	SEDIMENT	chronic NOAEL	70	mg/kg/d	0575	0588
Acenaphthene	83-32-9	Mammal	SOIL	chronic NOAEL	70	mg/kg/d	0575	0588
Acenaphthene	83-32-9	Mammal	WATER	chronic NOAEL	70	mg/kg/d	0575	0588
Acenaphthene	83-32-9	Plant	SOIL	LANL NOEC	2.5	mg/kg	0095	0257
Acenaphthylene	208-96-8	Aquatic (sediment)	SEDIMENT	ERL	0.044	mg/kg	0100	0001
Acenaphthylene	208-96-8	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Acenaphthylene	208-96-8	Mammal	SEDIMENT	chronic NOAEL	70	mg/kg/d	0575	0588
Acenaphthylene	208-96-8	Mammal	SOIL	chronic NOAEL	70	mg/kg/d	0575	0588
Acenaphthylene	208-96-8	Mammal	WATER	chronic NOAEL	70	mg/kg/d	0575	0588
Acetone	67-64-1	Aquatic (sediment)	SEDIMENT	EqP	0.065	mg/kg	0711	0001
Acetone	67-64-1	Aquatic (water)	WATER	Tier II SCV	11200	µg/L	0727	0001
Acetone	67-64-1	Bird	SEDIMENT	chronic NOAEL	19900	mg/kg/d	0903	0707
Acetone	67-64-1	Bird	SOIL	chronic NOAEL	19900	mg/kg/d	0903	0707
Acetone	67-64-1	Bird	WATER	chronic NOAEL	19900	mg/kg/d	0903	0707
Acetone	67-64-1	Mammal	SEDIMENT	chronic NOAEL	10	mg/kg/d	0344	0142
Acetone	67-64-1	Mammal	SOIL	chronic NOAEL	10	mg/kg/d	0344	0142
Acetone	67-64-1	Mammal	WATER	chronic NOAEL	10	mg/kg/d	0344	0142
Aldrin	309-00-2	Mammal	SEDIMENT	chronic NOAEL	0.2	mg/kg/d	0344	0755
Aldrin	309-00-2	Mammal	SOIL	chronic NOAEL	0.2	mg/kg/d	0344	0755
Aldrin	309-00-2	Mammal	WATER	chronic NOAEL	0.2	mg/kg/d	0344	0755
Aldrin	309-00-2	Plant	SOIL	LANL NOEC	0.5	mg/kg	0095	0001
Aluminum	AL	Aquatic (sediment)	SEDIMENT	ERM	58030	mg/kg	0747	0001
Aluminum	AL	Aquatic (water)	WATER	NM Stream STD	87	µg/L	0732	0001
Aluminum	AL	Bird	SEDIMENT	chronic NOAEL	110	mg/kg/d	0344	0439
Aluminum	AL	Bird	SOIL	chronic NOAEL	110	mg/kg/d	0344	0439
Aluminum	AL	Bird	WATER	chronic NOAEL	110	mg/kg/d	0344	0439
Aluminum	AL	Mammal	SEDIMENT	chronic NOAEL	1.93	mg/kg/d	0344	0344
Aluminum	AL	Mammal	SOIL	chronic NOAEL	1.93	mg/kg/d	0344	0344
Aluminum	AL	Mammal	WATER	chronic NOAEL	1.93	mg/kg/d	0344	0344
Aluminum	AL	Plant	SOIL	LANL NOEC	5	mg/kg	0095	0228
Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	SEDIMENT	chronic NOAEL	1.9	mg/kg/d	0104	0464

Supplemental Table L.4
Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	SOIL	chronic NOAEL	1.9	mg/kg/d	0104	0464
Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	WATER	chronic NOAEL	1.9	mg/kg/d	0104	0464
Amino-2,6-dinitrotoluene[4-]	19406-51-0	Plant	SOIL	chronic NOEC	80	mg/kg	0715	0379
Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	SEDIMENT	chronic NOAEL	2.8	mg/kg/d	0104	0464
Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	SOIL	chronic NOAEL	2.8	mg/kg/d	0104	0464
Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	WATER	chronic NOAEL	2.8	mg/kg/d	0104	0464
Amino-4,6-dinitrotoluene[2-]	35572-78-2	Plant	SOIL	chronic NOEC	80	mg/kg	0715	0379
Anthracene	120-12-7	Aquatic (sediment)	SEDIMENT	EqP	0.00039	mg/kg	0711	0001
Anthracene	120-12-7	Aquatic (water)	WATER	Tier II SCV	0.0013	µg/L	0727	0001
Anthracene	120-12-7	Mammal	SEDIMENT	chronic NOAEL	1000	mg/kg/d	0092	0370
Anthracene	120-12-7	Mammal	SOIL	chronic NOAEL	1000	mg/kg/d	0092	0370
Anthracene	120-12-7	Mammal	WATER	chronic NOAEL	1000	mg/kg/d	0092	0370
Antimony	SB	Aquatic (sediment)	SEDIMENT	UET	3	mg/kg	0735	0001
Antimony	SB	Aquatic (water)	WATER	Tier II SCV	104	µg/L	0727	0001
Antimony	SB	Mammal	SEDIMENT	chronic NOAEL	0.13	mg/kg/d	0344	0007
Antimony	SB	Mammal	SOIL	chronic NOAEL	0.13	mg/kg/d	0344	0007
Antimony	SB	Mammal	WATER	chronic NOAEL	0.13	mg/kg/d	0344	0007
Antimony	SB	Plant	SOIL	LANL NOEC	0.5	mg/kg	0095	0105
Aroclor-1016	12674-11-2	Aquatic (sediment)	SEDIMENT	EqP	0.01	mg/kg	0711	0001
Aroclor-1016	12674-11-2	Aquatic (water)	WATER	NAWQC CCC	0.014	µg/L	0730	0001
Aroclor-1016	12674-11-2	Mammal	SEDIMENT	chronic NOAEL	1.4	mg/kg/d	0344	0150
Aroclor-1016	12674-11-2	Mammal	SOIL	chronic NOAEL	1.4	mg/kg/d	0344	0150
Aroclor-1016	12674-11-2	Mammal	WATER	chronic NOAEL	1.4	mg/kg/d	0344	0150
Aroclor-1242	53469-21-9	Aquatic (sediment)	SEDIMENT	TEL	0.03162	mg/kg	0747	0001
Aroclor-1242	53469-21-9	Aquatic (water)	WATER	Tier II SCV	0.06	µg/L	0727	0001
Aroclor-1242	53469-21-9	Bird	SEDIMENT	chronic NOAEL	0.41	mg/kg/d	0344	0152
Aroclor-1242	53469-21-9	Bird	SOIL	chronic NOAEL	0.41	mg/kg/d	0344	0152
Aroclor-1242	53469-21-9	Bird	WATER	chronic NOAEL	0.41	mg/kg/d	0344	0152
Aroclor-1242	53469-21-9	Mammal	SEDIMENT	chronic NOAEL	0.069	mg/kg/d	0344	0151
Aroclor-1242	53469-21-9	Mammal	SOIL	chronic NOAEL	0.069	mg/kg/d	0344	0151
Aroclor-1242	53469-21-9	Mammal	WATER	chronic NOAEL	0.069	mg/kg/d	0344	0151
Aroclor-1248	12672-29-6	Aquatic (sediment)	SEDIMENT	TEL	0.03162	mg/kg	0747	0001
Aroclor-1248	12672-29-6	Aquatic (water)	WATER	Tier II SCV	0.01	µg/L	0727	0001

Supplemental Table L.4
Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Aroclor-1248	12672-29-6	Bird	SEDIMENT	chronic NOAEL	0.00272	mg/kg/d	0428	0756
Aroclor-1248	12672-29-6	Bird	SOIL	chronic NOAEL	0.00272	mg/kg/d	0428	0756
Aroclor-1248	12672-29-6	Bird	WATER	chronic NOAEL	0.00272	mg/kg/d	0428	0756
Aroclor-1248	12672-29-6	Mammal	SEDIMENT	chronic NOAEL	0.01	mg/kg/d	0344	0153
Aroclor-1248	12672-29-6	Mammal	SOIL	chronic NOAEL	0.01	mg/kg/d	0344	0153
Aroclor-1248	12672-29-6	Mammal	WATER	chronic NOAEL	0.01	mg/kg/d	0344	0153
Aroclor-1254	11097-69-1	Aquatic (sediment)	SEDIMENT	TEL	0.03162	mg/kg	0747	0001
Aroclor-1254	11097-69-1	Aquatic (water)	WATER	Tier II SCV	0.02	µg/L	0727	0001
Aroclor-1254	11097-69-1	Bird	SEDIMENT	chronic NOAEL	0.18	mg/kg/d	0344	0758
Aroclor-1254	11097-69-1	Bird	SOIL	chronic NOAEL	0.18	mg/kg/d	0344	0758
Aroclor-1254	11097-69-1	Bird	WATER	chronic NOAEL	0.18	mg/kg/d	0344	0758
Aroclor-1254	11097-69-1	Mammal	SEDIMENT	chronic NOAEL	0.068	mg/kg/d	0344	0154
Aroclor-1254	11097-69-1	Mammal	SOIL	chronic NOAEL	0.068	mg/kg/d	0344	0154
Aroclor-1254	11097-69-1	Mammal	WATER	chronic NOAEL	0.068	mg/kg/d	0344	0154
Aroclor-1254	11097-69-1	Plant	SOIL	LANL NOEC	10	mg/kg	0095	0261
Aroclor-1260	11096-82-5	Aquatic (sediment)	SEDIMENT	TEL	0.03162	mg/kg	0747	0001
Aroclor-1260	11096-82-5	Aquatic (water)	WATER	Tier II SCV	10.5	µg/L	0727	0001
Aroclor-1260	11096-82-5	Bird	SEDIMENT	chronic NOAEL	0.047	mg/kg/d	0428	0767
Aroclor-1260	11096-82-5	Bird	SOIL	chronic NOAEL	0.047	mg/kg/d	0428	0767
Aroclor-1260	11096-82-5	Bird	WATER	chronic NOAEL	0.047	mg/kg/d	0428	0767
Aroclor-1260	11096-82-5	Mammal	SEDIMENT	chronic NOAEL	0.04	mg/kg/d	0093	0154
Aroclor-1260	11096-82-5	Mammal	SOIL	chronic NOAEL	0.04	mg/kg/d	0093	0154
Aroclor-1260	11096-82-5	Mammal	WATER	chronic NOAEL	0.04	mg/kg/d	0093	0154
Arsenic	AS	Aquatic (sediment)	SEDIMENT	ERL	12.1	mg/kg	0747	0001
Arsenic	AS	Aquatic (water)	WATER	NAWQC CCC	150	µg/L	0730	0001
Arsenic	AS	Bird	SEDIMENT	chronic NOAEL	5.1	mg/kg/d	0344	0162
Arsenic	AS	Bird	SOIL	chronic NOAEL	5.1	mg/kg/d	0344	0162
Arsenic	AS	Bird	WATER	chronic NOAEL	5.1	mg/kg/d	0344	0162
Arsenic	AS	Invertebrate	SOIL	LANL NOEC	6.8	mg/kg	0097	0043
Arsenic	AS	Mammal	SEDIMENT	chronic NOAEL	0.13	mg/kg/d	0344	0159
Arsenic	AS	Mammal	SOIL	chronic NOAEL	0.13	mg/kg/d	0344	0159
Arsenic	AS	Mammal	WATER	chronic NOAEL	0.13	mg/kg/d	0344	0159
Arsenic	AS	Plant	SOIL	LANL NOEC	10	mg/kg	0095	0001

Supplemental Table L.4
Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Barium	BA	Aquatic (sediment)	SEDIMENT	AET	48	mg/kg	0735	0001
Barium	BA	Aquatic (water)	WATER	Tier II SCV	3.8	µg/L	0727	0001
Barium	BA	Bird	SEDIMENT	chronic NOAEL	12.6	mg/kg/d	0903	0484
Barium	BA	Bird	SOIL	chronic NOAEL	12.6	mg/kg/d	0903	0484
Barium	BA	Bird	WATER	chronic NOAEL	12.6	mg/kg/d	0903	0484
Barium	BA	Mammal	SEDIMENT	chronic NOAEL	0.55	mg/kg/d	0903	0173
Barium	BA	Mammal	SOIL	chronic NOAEL	0.55	mg/kg/d	0903	0173
Barium	BA	Mammal	WATER	chronic NOAEL	0.55	mg/kg/d	0903	0173
Barium	BA	Plant	SOIL	chronic NOEC	100	mg/kg	0903	0641
Benzene	71-43-2	Aquatic (sediment)	SEDIMENT	EqP	0.057	mg/kg	0711	0001
Benzene	71-43-2	Aquatic (water)	WATER	Tier II SCV	45.5	µg/L	0727	0001
Benzene	71-43-2	Mammal	SEDIMENT	chronic NOAEL	26	mg/kg/d	0344	0718
Benzene	71-43-2	Mammal	SOIL	chronic NOAEL	26	mg/kg/d	0344	0718
Benzene	71-43-2	Mammal	WATER	chronic NOAEL	26	mg/kg/d	0344	0718
Benzo(a)anthracene	56-55-3	Aquatic (sediment)	SEDIMENT	EqP	0.11	mg/kg	0711	0001
Benzo(a)anthracene	56-55-3	Aquatic (water)	WATER	Tier II SCV	0.027	µg/L	0727	0001
Benzo(a)anthracene	56-55-3	Mammal	SEDIMENT	chronic NOAEL	1.7	mg/kg/d	0575	0604
Benzo(a)anthracene	56-55-3	Mammal	SOIL	chronic NOAEL	1.7	mg/kg/d	0575	0604
Benzo(a)anthracene	56-55-3	Mammal	WATER	chronic NOAEL	1.7	mg/kg/d	0575	0604
Benzo(a)anthracene	56-55-3	Plant	SOIL	SNL benchmark	18	mg/kg	0092	0378
Benzo(a)pyrene	50-32-8	Aquatic (sediment)	SEDIMENT	ERL	0.35	mg/kg	0747	0001
Benzo(a)pyrene	50-32-8	Aquatic (water)	WATER	Tier II SCV	0.014	µg/L	0727	0001
Benzo(a)pyrene	50-32-8	Mammal	SEDIMENT	chronic NOAEL	1	mg/kg/d	0344	0172
Benzo(a)pyrene	50-32-8	Mammal	SOIL	chronic NOAEL	1	mg/kg/d	0344	0172
Benzo(a)pyrene	50-32-8	Mammal	WATER	chronic NOAEL	1	mg/kg/d	0344	0172
Benzo(b)fluoranthene	205-99-2	Aquatic (sediment)	SEDIMENT	ERL	0.24	mg/kg	0747	0001
Benzo(b)fluoranthene	205-99-2	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Benzo(b)fluoranthene	205-99-2	Mammal	SEDIMENT	chronic NOAEL	4	mg/kg/d	0575	0603
Benzo(b)fluoranthene	205-99-2	Mammal	SOIL	chronic NOAEL	4	mg/kg/d	0575	0603
Benzo(b)fluoranthene	205-99-2	Mammal	WATER	chronic NOAEL	4	mg/kg/d	0575	0603
Benzo(b)fluoranthene	205-99-2	Plant	SOIL	SNL benchmark	18	mg/kg	0092	0378
Benzo(g,h,i)perylene	191-24-2	Aquatic (sediment)	SEDIMENT	ERL	0.29	mg/kg	0747	0001
Benzo(g,h,i)perylene	191-24-2	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001

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Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Benzo(g,h,i)perylene	191-24-2	Mammal	SEDIMENT	chronic NOAEL	7.2	mg/kg/d	0575	0378
Benzo(g,h,i)perylene	191-24-2	Mammal	SOIL	chronic NOAEL	7.2	mg/kg/d	0575	0378
Benzo(g,h,i)perylene	191-24-2	Mammal	WATER	chronic NOAEL	7.2	mg/kg/d	0575	0378
Benzo(k)fluoranthene	207-08-9	Aquatic (sediment)	SEDIMENT	LEL	0.24	mg/kg	0303	0001
Benzo(k)fluoranthene	207-08-9	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Benzo(k)fluoranthene	207-08-9	Mammal	SEDIMENT	chronic NOAEL	7.2	mg/kg/d	0575	0603
Benzo(k)fluoranthene	207-08-9	Mammal	SOIL	chronic NOAEL	7.2	mg/kg/d	0575	0603
Benzo(k)fluoranthene	207-08-9	Mammal	WATER	chronic NOAEL	7.2	mg/kg/d	0575	0603
Benzoic Acid	65-85-0	Aquatic (sediment)	SEDIMENT	EqP	0.065	mg/kg	0735	0001
Benzoic Acid	65-85-0	Aquatic (water)	WATER	Tier II SCV	41.6	µg/L	0727	0001
Benzoic Acid	65-85-0	Mammal	SEDIMENT	chronic NOAEL	4	mg/kg/d	0092	0374
Benzoic Acid	65-85-0	Mammal	SOIL	chronic NOAEL	4	mg/kg/d	0092	0374
Benzoic Acid	65-85-0	Mammal	WATER	chronic NOAEL	4	mg/kg/d	0092	0374
Beryllium	BE	Aquatic (water)	WATER	NM Stream STD	5.3	µg/L	0732	0001
Beryllium	BE	Mammal	SEDIMENT	chronic NOAEL	0.66	mg/kg/d	0344	0173
Beryllium	BE	Mammal	SOIL	chronic NOAEL	0.66	mg/kg/d	0344	0173
Beryllium	BE	Mammal	WATER	chronic NOAEL	0.66	mg/kg/d	0344	0173
Beryllium	BE	Plant	SOIL	LANL NOEC	1	mg/kg	0095	0105
BHC[beta-]	319-85-7	Aquatic (sediment)	SEDIMENT	EqP	0.14	mg/kg	0711	0001
BHC[beta-]	319-85-7	Aquatic (water)	WATER	Tier II SCV	2.44	µg/L	0727	0001
BHC[beta-]	319-85-7	Bird	SEDIMENT	chronic NOAEL	38.3	mg/kg/d	0575	0575
BHC[beta-]	319-85-7	Bird	SOIL	chronic NOAEL	38.3	mg/kg/d	0575	0575
BHC[beta-]	319-85-7	Bird	WATER	chronic NOAEL	38.3	mg/kg/d	0575	0575
BHC[beta-]	319-85-7	Mammal	SEDIMENT	chronic NOAEL	0.4	mg/kg/d	0344	0167
BHC[beta-]	319-85-7	Mammal	SOIL	chronic NOAEL	0.4	mg/kg/d	0344	0167
BHC[beta-]	319-85-7	Mammal	WATER	chronic NOAEL	0.4	mg/kg/d	0344	0167
BHC[gamma-]	58-89-9	Aquatic (sediment)	SEDIMENT	EqP	0.0028	mg/kg	0711	0001
BHC[gamma-]	58-89-9	Aquatic (water)	WATER	NAWQC	0.08	µg/L	0727	0001
BHC[gamma-]	58-89-9	Bird	SEDIMENT	chronic NOAEL	0.56	mg/kg/d	0344	0762
BHC[gamma-]	58-89-9	Bird	SOIL	chronic NOAEL	0.56	mg/kg/d	0344	0762
BHC[gamma-]	58-89-9	Bird	WATER	chronic NOAEL	0.56	mg/kg/d	0344	0762
BHC[gamma-]	58-89-9	Mammal	SEDIMENT	chronic NOAEL	0.014	mg/kg/d	0344	0168
BHC[gamma-]	58-89-9	Mammal	SOIL	chronic NOAEL	0.014	mg/kg/d	0344	0168

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Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
BHC[gamma-]	58-89-9	Mammal	WATER	chronic NOAEL	0.014	mg/kg/d	0344	0168
BHC[gamma-]	58-89-9	Plant	SOIL	LANL NOEC	0.1	mg/kg	0575	0590
Biphenyl[1,1'-]	92-52-4	Plant	SOIL	ORNL benchmark	60	mg/kg	0094	0257
Bis(2-ethylhexyl)phthalate	117-81-7	Aquatic (water)	WATER	Tier II SCV	32.2	µg/L	0727	0001
Bis(2-ethylhexyl)phthalate	117-81-7	Bird	SEDIMENT	chronic NOAEL	1.1	mg/kg/d	0344	0759
Bis(2-ethylhexyl)phthalate	117-81-7	Bird	SOIL	chronic NOAEL	1.1	mg/kg/d	0344	0759
Bis(2-ethylhexyl)phthalate	117-81-7	Bird	WATER	chronic NOAEL	1.1	mg/kg/d	0344	0759
Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	SEDIMENT	chronic NOAEL	18	mg/kg/d	0344	0769
Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	SOIL	chronic NOAEL	18	mg/kg/d	0344	0769
Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	WATER	chronic NOAEL	18	mg/kg/d	0344	0769
Boron	B	Aquatic (water)	WATER	Tier II SCV	547	µg/L	0727	0001
Boron	B	Bird	SEDIMENT	chronic NOAEL	46.3	mg/kg/d	0715	0495
Boron	B	Bird	SOIL	chronic NOAEL	46.3	mg/kg/d	0715	0495
Boron	B	Bird	WATER	chronic NOAEL	46.3	mg/kg/d	0715	0495
Boron	B	Mammal	SEDIMENT	chronic NOAEL	28	mg/kg/d	0715	0174
Boron	B	Mammal	SOIL	chronic NOAEL	28	mg/kg/d	0715	0174
Boron	B	Mammal	WATER	chronic NOAEL	28	mg/kg/d	0715	0174
Boron	B	Plant	SOIL	chronic NOEC	5.7	mg/kg	0715	0239
Bromine	BR2	Plant	SOIL	ORNL benchmark	10	mg/kg	0094	0105
Butanone[2-]	78-93-3	Aquatic (water)	WATER	Tier II SCV	20800	µg/L	0727	0001
Butanone[2-]	78-93-3	Mammal	SEDIMENT	chronic NOAEL	1800	mg/kg/d	0344	0222
Butanone[2-]	78-93-3	Mammal	SOIL	chronic NOAEL	1800	mg/kg/d	0344	0222
Butanone[2-]	78-93-3	Mammal	WATER	chronic NOAEL	1800	mg/kg/d	0344	0222
Butyl Benzyl Phthalate	85-68-7	Aquatic (sediment)	SEDIMENT	EqP	11	mg/kg	0711	0001
Butyl Benzyl Phthalate	85-68-7	Aquatic (water)	WATER	Tier II	19	µg/L	0736	0001
Butyl Benzyl Phthalate	85-68-7	Mammal	SEDIMENT	chronic NOAEL	159	mg/kg/d	0141	0472
Butyl Benzyl Phthalate	85-68-7	Mammal	SOIL	chronic NOAEL	159	mg/kg/d	0141	0472
Butyl Benzyl Phthalate	85-68-7	Mammal	WATER	chronic NOAEL	159	mg/kg/d	0141	0472
Cadmium	CD	Aquatic (sediment)	SEDIMENT	TEL	0.592	mg/kg	0747	0001
Cadmium	CD	Aquatic (water)	WATER	NAWQC CCC	1.3	µg/L	0730	0001
Cadmium	CD	Bird	SEDIMENT	chronic NOAEL	1.45	mg/kg/d	0344	0009
Cadmium	CD	Bird	SOIL	chronic NOAEL	1.45	mg/kg/d	0344	0009
Cadmium	CD	Bird	WATER	chronic NOAEL	1.45	mg/kg/d	0344	0009

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Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Cadmium	CD	Invertebrate	SOIL	LANL NOEC	10	mg/kg	0097	0001
Cadmium	CD	Mammal	SEDIMENT	chronic NOAEL	1	mg/kg/d	0344	0008
Cadmium	CD	Mammal	SOIL	chronic NOAEL	1	mg/kg/d	0344	0008
Cadmium	CD	Mammal	WATER	chronic NOAEL	1	mg/kg/d	0344	0008
Cadmium	CD	Plant	SOIL	LANL NOEC	1	mg/kg	0095	0001
Calcium	CA	Aquatic (water)	WATER	LCV	116000	µg/L	0727	0001
Carbon Tetrachloride	56-23-5	Mammal	SEDIMENT	chronic NOAEL	16	mg/kg/d	0344	0729
Carbon Tetrachloride	56-23-5	Mammal	SOIL	chronic NOAEL	16	mg/kg/d	0344	0729
Carbon Tetrachloride	56-23-5	Mammal	WATER	chronic NOAEL	16	mg/kg/d	0344	0729
Chlordane[alpha-]	5103-71-9	Aquatic (sediment)	SEDIMENT	ERL	0.0005	mg/kg	0100	0001
Chlordane[alpha-]	5103-71-9	Aquatic (water)	WATER	NM Stream STD	0.0043	µg/L	0732	0001
Chlordane[alpha-]	5103-71-9	Bird	SEDIMENT	chronic NOAEL	2.1	mg/kg/d	0344	0761
Chlordane[alpha-]	5103-71-9	Bird	SOIL	chronic NOAEL	2.1	mg/kg/d	0344	0761
Chlordane[alpha-]	5103-71-9	Bird	WATER	chronic NOAEL	2.1	mg/kg/d	0344	0761
Chlordane[alpha-]	5103-71-9	Mammal	SEDIMENT	chronic NOAEL	1.175	mg/kg/d	0575	0475
Chlordane[alpha-]	5103-71-9	Mammal	SOIL	chronic NOAEL	1.175	mg/kg/d	0575	0475
Chlordane[alpha-]	5103-71-9	Mammal	WATER	chronic NOAEL	1.175	mg/kg/d	0575	0475
Chlordane[alpha-]	5103-71-9	Plant	SOIL	LANL NOEC	2.24	mg/kg	0575	0300
Chlordane[gamma-]	5103-74-2	Aquatic (sediment)	SEDIMENT	ERL	0.0005	mg/kg	0100	0001
Chlordane[gamma-]	5103-74-2	Aquatic (water)	WATER	NM Stream STD	0.0043	µg/L	0732	0001
Chlordane[gamma-]	5103-74-2	Bird	SEDIMENT	chronic NOAEL	2.1	mg/kg/d	0344	0761
Chlordane[gamma-]	5103-74-2	Bird	SOIL	chronic NOAEL	2.1	mg/kg/d	0344	0761
Chlordane[gamma-]	5103-74-2	Bird	WATER	chronic NOAEL	2.1	mg/kg/d	0344	0761
Chlordane[gamma-]	5103-74-2	Mammal	SEDIMENT	chronic NOAEL	1.175	mg/kg/d	0575	0475
Chlordane[gamma-]	5103-74-2	Mammal	SOIL	chronic NOAEL	1.175	mg/kg/d	0575	0475
Chlordane[gamma-]	5103-74-2	Mammal	WATER	chronic NOAEL	1.175	mg/kg/d	0575	0475
Chlordane[gamma-]	5103-74-2	Plant	SOIL	LANL NOEC	2.24	mg/kg	0575	0300
Chloride	CL(-1)	Aquatic (water)	WATER	NAWQC CCC	230000	µg/L	0730	0001
Chloro-3-methylphenol[4-]	59-50-7	Aquatic (water)	WATER	EPA Region-IV	0.3	µg/L	0736	0001
Chloro-3-methylphenol[4-]	59-50-7	Bird	SEDIMENT	chronic NOAEL	1.13	mg/kg/d	0575	0579
Chloro-3-methylphenol[4-]	59-50-7	Bird	SOIL	chronic NOAEL	1.13	mg/kg/d	0575	0579
Chloro-3-methylphenol[4-]	59-50-7	Bird	WATER	chronic NOAEL	1.13	mg/kg/d	0575	0579
Chloro-3-methylphenol[4-]	59-50-7	Mammal	SEDIMENT	chronic NOAEL	1.4	mg/kg/d	0092	0376

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Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Chloro-3-methylphenol[4-]	59-50-7	Mammal	SOIL	chronic NOAEL	1.4	mg/kg/d	0092	0376
Chloro-3-methylphenol[4-]	59-50-7	Mammal	WATER	chronic NOAEL	1.4	mg/kg/d	0092	0376
Chloroacetamide	79-07-2	Invertebrate	SOIL	LANL NOEC	500	mg/kg	0097	0272
Chloroaniline[3-]	108-42-9	Invertebrate	SOIL	LANL NOEC	19.5	mg/kg	0097	0273
Chloroaniline[3-]	108-42-9	Plant	SOIL	ORNL benchmark	20	mg/kg	0094	0258
Chlorobenzene	108-90-7	Aquatic (sediment)	SEDIMENT	EqP	0.82	mg/kg	0711	0001
Chlorobenzene	108-90-7	Aquatic (water)	WATER	Tier II SCV	127	µg/L	0727	0001
Chlorobenzene	108-90-7	Invertebrate	SOIL	LANL NOEC	24	mg/kg	0097	0280
Chlorobenzene	108-90-7	Mammal	SEDIMENT	chronic NOAEL	60	mg/kg/d	0141	0375
Chlorobenzene	108-90-7	Mammal	SOIL	chronic NOAEL	60	mg/kg/d	0141	0375
Chlorobenzene	108-90-7	Mammal	WATER	chronic NOAEL	60	mg/kg/d	0141	0375
Chloroform	67-66-3	Aquatic (water)	WATER	Tier II SCV	188	µg/L	0727	0001
Chloroform	67-66-3	Mammal	SEDIMENT	chronic NOAEL	15	mg/kg/d	0344	0740
Chloroform	67-66-3	Mammal	SOIL	chronic NOAEL	15	mg/kg/d	0344	0740
Chloroform	67-66-3	Mammal	WATER	chronic NOAEL	15	mg/kg/d	0344	0740
Chlorophenol[2-]	95-57-8	Aquatic (sediment)	SEDIMENT	EqP	0.057	mg/kg	0711	0001
Chlorophenol[2-]	95-57-8	Aquatic (water)	WATER	EPA Region-IV	43.8	µg/L	0736	0001
Chlorophenol[2-]	95-57-8	Bird	SEDIMENT	chronic NOAEL	11.3	mg/kg/d	0575	0580
Chlorophenol[2-]	95-57-8	Bird	SOIL	chronic NOAEL	11.3	mg/kg/d	0575	0580
Chlorophenol[2-]	95-57-8	Bird	WATER	chronic NOAEL	11.3	mg/kg/d	0575	0580
Chlorophenol[2-]	95-57-8	Mammal	SEDIMENT	chronic NOAEL	0.5	mg/kg/d	0092	0376
Chlorophenol[2-]	95-57-8	Mammal	SOIL	chronic NOAEL	0.5	mg/kg/d	0092	0376
Chlorophenol[2-]	95-57-8	Mammal	WATER	chronic NOAEL	0.5	mg/kg/d	0092	0376
Chlorophenol[3-]	108-43-0	Plant	SOIL	ORNL benchmark	7	mg/kg	0094	0258
Chromium (total)	CR	Aquatic (sediment)	SEDIMENT	ERL	56	mg/kg	0747	0001
Chromium (total)	CR	Aquatic (water)	WATER	NAWQC CCC	11	µg/L	0730	0001
Chromium (total)	CR	Bird	SEDIMENT	chronic NOAEL	77	mg/kg/d	0715	0539
Chromium (total)	CR	Bird	SOIL	chronic NOAEL	77	mg/kg/d	0715	0539
Chromium (total)	CR	Bird	WATER	chronic NOAEL	77	mg/kg/d	0715	0539
Chromium (total)	CR	Mammal	SEDIMENT	chronic NOAEL	1900	mg/kg/d	0715	0010
Chromium (total)	CR	Mammal	SOIL	chronic NOAEL	1900	mg/kg/d	0715	0010
Chromium (total)	CR	Mammal	WATER	chronic NOAEL	1900	mg/kg/d	0715	0010
Chromium (total)	CR	Plant	SOIL	LANL NOEC	3.1	mg/kg	0095	0001

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Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Chromium(+6)	CR(+6)	Aquatic (sediment)	SEDIMENT	ERL	56	mg/kg	0747	0001
Chromium(+6)	CR(+6)	Aquatic (water)	WATER	NAWQC CCC	11	µg/L	0730	0001
Chromium(+6)	CR(+6)	Bird	SEDIMENT	chronic NOAEL	3.8	mg/kg/d	0428	0539
Chromium(+6)	CR(+6)	Bird	SOIL	chronic NOAEL	3.8	mg/kg/d	0428	0539
Chromium(+6)	CR(+6)	Bird	WATER	chronic NOAEL	3.8	mg/kg/d	0428	0539
Chromium(+6)	CR(+6)	Invertebrate	SOIL	LANL NOEC	10	mg/kg	0097	0029
Chromium(+6)	CR(+6)	Mammal	SEDIMENT	chronic NOAEL	3.3	mg/kg/d	0344	0011
Chromium(+6)	CR(+6)	Mammal	SOIL	chronic NOAEL	3.3	mg/kg/d	0344	0011
Chromium(+6)	CR(+6)	Mammal	WATER	chronic NOAEL	3.3	mg/kg/d	0344	0011
Chromium(+6)	CR(+6)	Plant	SOIL	LANL NOEC	0.35	mg/kg	0095	0123
Chrysene	218-01-9	Aquatic (sediment)	SEDIMENT	ERL	0.5	mg/kg	0747	0001
Chrysene	218-01-9	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Chrysene	218-01-9	Mammal	SEDIMENT	chronic NOAEL	1.7	mg/kg/d	0575	0604
Chrysene	218-01-9	Mammal	SOIL	chronic NOAEL	1.7	mg/kg/d	0575	0604
Chrysene	218-01-9	Mammal	WATER	chronic NOAEL	1.7	mg/kg/d	0575	0604
Cobalt	CO	Aquatic (water)	WATER	Tier II SCV	3.06	µg/L	0048	0001
Cobalt	CO	Bird	SEDIMENT	chronic NOAEL	0.02	mg/kg/d	0575	0577
Cobalt	CO	Bird	SOIL	chronic NOAEL	0.02	mg/kg/d	0575	0577
Cobalt	CO	Bird	WATER	chronic NOAEL	0.02	mg/kg/d	0575	0577
Cobalt	CO	Mammal	SEDIMENT	chronic NOAEL	0.2	mg/kg/d	0575	0577
Cobalt	CO	Mammal	SOIL	chronic NOAEL	0.2	mg/kg/d	0575	0577
Cobalt	CO	Mammal	WATER	chronic NOAEL	0.2	mg/kg/d	0575	0577
Cobalt	CO	Plant	SOIL	LANL NOEC	2.5	mg/kg	0095	0105
Copper	CU	Aquatic (sediment)	SEDIMENT	TEL	28	mg/kg	0747	0001
Copper	CU	Aquatic (water)	WATER	NAWQC CCC	5	µg/L	0730	0001
Copper	CU	Bird	SEDIMENT	chronic NOAEL	47	mg/kg/d	0344	0550
Copper	CU	Bird	SOIL	chronic NOAEL	47	mg/kg/d	0344	0550
Copper	CU	Bird	WATER	chronic NOAEL	47	mg/kg/d	0344	0550
Copper	CU	Invertebrate	SOIL	LANL NOEC	13	mg/kg	0097	0265
Copper	CU	Mammal	SEDIMENT	chronic NOAEL	12	mg/kg/d	0344	0176
Copper	CU	Mammal	SOIL	chronic NOAEL	12	mg/kg/d	0344	0176
Copper	CU	Mammal	WATER	chronic NOAEL	12	mg/kg/d	0344	0176
Copper	CU	Plant	SOIL	LANL NOEC	100	mg/kg	0095	0240

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Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Cyanide (total)	CN(-1)	Aquatic (sediment)	SEDIMENT	EPA Region-V guideline	0.1	mg/kg	0716	0001
Cyanide (total)	CN(-1)	Aquatic (water)	WATER	NM Stream STD	5.2	µg/L	0732	0001
Cyanide (total)	CN(-1)	Bird	SEDIMENT	chronic NOAEL	0.04	mg/kg/d	0575	0578
Cyanide (total)	CN(-1)	Bird	SOIL	chronic NOAEL	0.04	mg/kg/d	0575	0578
Cyanide (total)	CN(-1)	Bird	WATER	chronic NOAEL	0.04	mg/kg/d	0575	0578
Cyanide (total)	CN(-1)	Mammal	SEDIMENT	chronic NOAEL	69	mg/kg/d	0344	0178
Cyanide (total)	CN(-1)	Mammal	SOIL	chronic NOAEL	69	mg/kg/d	0344	0178
Cyanide (total)	CN(-1)	Mammal	WATER	chronic NOAEL	69	mg/kg/d	0344	0178
DDE[4,4'-]	72-55-9	Aquatic (sediment)	SEDIMENT	ERL	0.0022	mg/kg	0100	0001
DDE[4,4'-]	72-55-9	Aquatic (water)	WATER	CLP PQL	10.5	µg/L	0736	0001
DDE[4,4'-]	72-55-9	Bird	SEDIMENT	chronic NOAEL	0.00224	mg/kg/d	0428	0763
DDE[4,4'-]	72-55-9	Bird	SOIL	chronic NOAEL	0.00224	mg/kg/d	0428	0763
DDE[4,4'-]	72-55-9	Bird	WATER	chronic NOAEL	0.00224	mg/kg/d	0428	0763
DDE[4,4'-]	72-55-9	Mammal	SEDIMENT	chronic NOAEL	10	mg/kg/d	0575	0203
DDE[4,4'-]	72-55-9	Mammal	SOIL	chronic NOAEL	10	mg/kg/d	0575	0203
DDE[4,4'-]	72-55-9	Mammal	WATER	chronic NOAEL	10	mg/kg/d	0575	0203
DDT[4,4'-]	50-29-3	Aquatic (sediment)	SEDIMENT	ERL	0.00158	mg/kg	0100	0001
DDT[4,4'-]	50-29-3	Aquatic (water)	WATER	Tier II SCV	0.04	µg/L	0727	0001
DDT[4,4'-]	50-29-3	Bird	SEDIMENT	chronic NOAEL	0.0028	mg/kg/d	0344	0764
DDT[4,4'-]	50-29-3	Bird	SOIL	chronic NOAEL	0.0028	mg/kg/d	0344	0764
DDT[4,4'-]	50-29-3	Bird	WATER	chronic NOAEL	0.0028	mg/kg/d	0344	0764
DDT[4,4'-]	50-29-3	Mammal	SEDIMENT	chronic NOAEL	0.8	mg/kg/d	0344	0160
DDT[4,4'-]	50-29-3	Mammal	SOIL	chronic NOAEL	0.8	mg/kg/d	0344	0160
DDT[4,4'-]	50-29-3	Mammal	WATER	chronic NOAEL	0.8	mg/kg/d	0344	0160
Dibenzo(a,h)anthracene	53-70-3	Aquatic (sediment)	SEDIMENT	ERM	0.015	mg/kg	0747	0001
Dibenzo(a,h)anthracene	53-70-3	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Dibenzo(a,h)anthracene	53-70-3	Mammal	SEDIMENT	chronic NOAEL	1.43	mg/kg/d	0575	0605
Dibenzo(a,h)anthracene	53-70-3	Mammal	SOIL	chronic NOAEL	1.43	mg/kg/d	0575	0605
Dibenzo(a,h)anthracene	53-70-3	Mammal	WATER	chronic NOAEL	1.43	mg/kg/d	0575	0605
Dibenzofuran	132-64-9	Aquatic (sediment)	SEDIMENT	EqP	2.3	mg/kg	0711	0001
Dibenzofuran	132-64-9	Aquatic (water)	WATER	Tier II SCV	20.4	µg/L	0727	0001
Dibenzofuran	132-64-9	Plant	SOIL	LANL NOEC	61.7	mg/kg	0095	0257
Dichloroaniline[2,4-]	554-00-7	Invertebrate	SOIL	LANL NOEC	56	mg/kg	0097	0269

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Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Dichloroaniline[3,4-]	95-76-1	Invertebrate	SOIL	LANL NOEC	14	mg/kg	0097	0035
Dichlorobenzene[1,4-]	106-46-7	Aquatic (sediment)	SEDIMENT	EqP	0.32	mg/kg	0711	0001
Dichlorobenzene[1,4-]	106-46-7	Aquatic (water)	WATER	Tier II	14	µg/L	0733	0001
Dichlorobenzene[1,4-]	106-46-7	Invertebrate	SOIL	LANL NOEC	12.8	mg/kg	0097	0280
Dichlorobenzene[1,4-]	106-46-7	Mammal	SEDIMENT	chronic NOAEL	250	mg/kg/d	0575	0592
Dichlorobenzene[1,4-]	106-46-7	Mammal	SOIL	chronic NOAEL	250	mg/kg/d	0575	0592
Dichlorobenzene[1,4-]	106-46-7	Mammal	WATER	chronic NOAEL	250	mg/kg/d	0575	0592
Dichloroethane[1,1-]	75-34-3	Aquatic (sediment)	SEDIMENT	EqP	0.027	mg/kg	0711	0001
Dichloroethane[1,1-]	75-34-3	Aquatic (water)	WATER	Tier II SCV	46.6	µg/L	0727	0001
Dichloroethane[1,1-]	75-34-3	Mammal	SEDIMENT	chronic NOAEL	382	mg/kg/d	0575	0477
Dichloroethane[1,1-]	75-34-3	Mammal	SOIL	chronic NOAEL	382	mg/kg/d	0575	0477
Dichloroethane[1,1-]	75-34-3	Mammal	WATER	chronic NOAEL	382	mg/kg/d	0575	0477
Dichloroethane[1,2-]	107-06-2	Aquatic (water)	WATER	Tier II SCV	1100	µg/L	0727	0001
Dichloroethane[1,2-]	107-06-2	Bird	SEDIMENT	chronic NOAEL	9.3	mg/kg/d	0903	0696
Dichloroethane[1,2-]	107-06-2	Bird	SOIL	chronic NOAEL	9.3	mg/kg/d	0903	0696
Dichloroethane[1,2-]	107-06-2	Bird	WATER	chronic NOAEL	9.3	mg/kg/d	0903	0696
Dichloroethane[1,2-]	107-06-2	Mammal	SEDIMENT	chronic NOAEL	49.7	mg/kg/d	0903	0685
Dichloroethane[1,2-]	107-06-2	Mammal	SOIL	chronic NOAEL	49.7	mg/kg/d	0903	0685
Dichloroethane[1,2-]	107-06-2	Mammal	WATER	chronic NOAEL	49.7	mg/kg/d	0903	0685
Dichloroethene[1,1-]	75-35-4	Aquatic (sediment)	SEDIMENT	EqP	0.24	mg/kg	0711	0001
Dichloroethene[1,1-]	75-35-4	Mammal	SEDIMENT	chronic NOAEL	30	mg/kg/d	0344	0179
Dichloroethene[1,1-]	75-35-4	Mammal	SOIL	chronic NOAEL	30	mg/kg/d	0344	0179
Dichloroethene[1,1-]	75-35-4	Mammal	WATER	chronic NOAEL	30	mg/kg/d	0344	0179
Dichloroethene[cis/trans-1,2-]	540-59-0	Aquatic (sediment)	SEDIMENT	EqP	0.034	mg/kg	0711	0001
Dichloroethene[cis/trans-1,2-]	540-59-0	Aquatic (water)	WATER	Tier II SCV	31.2	µg/L	0727	0001
Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	SEDIMENT	chronic NOAEL	452	mg/kg/d	0344	0740
Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	SOIL	chronic NOAEL	452	mg/kg/d	0344	0740
Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	WATER	chronic NOAEL	452	mg/kg/d	0344	0740
Dichloroethene[cis-1,2-]	156-59-2	Aquatic (water)	WATER	Tier II SCV	31.2	µg/L	0727	0001
Dichlorophenol[3,4-]	95-77-2	Invertebrate	SOIL	LANL NOEC	13.4	mg/kg	0097	0275
Dichlorophenol[3,4-]	95-77-2	Plant	SOIL	ORNL benchmark	20	mg/kg	0094	0258
Dichloropropane[1,2-]	78-87-5	Invertebrate	SOIL	LANL NOEC	80800	mg/kg	0097	0272
Dieldrin	60-57-1	Aquatic (sediment)	SEDIMENT	FCV	0.052	mg/kg	0733	0001

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Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Dieldrin	60-57-1	Aquatic (water)	WATER	NAWQC CCC	0.056	µg/L	0730	0001
Dieldrin	60-57-1	Bird	SEDIMENT	chronic NOAEL	0.077	mg/kg/d	0344	0768
Dieldrin	60-57-1	Bird	SOIL	chronic NOAEL	0.077	mg/kg/d	0344	0768
Dieldrin	60-57-1	Bird	WATER	chronic NOAEL	0.077	mg/kg/d	0344	0768
Dieldrin	60-57-1	Mammal	SEDIMENT	chronic NOAEL	0.02	mg/kg/d	0344	0755
Dieldrin	60-57-1	Mammal	SOIL	chronic NOAEL	0.02	mg/kg/d	0344	0755
Dieldrin	60-57-1	Mammal	WATER	chronic NOAEL	0.02	mg/kg/d	0344	0755
Dieldrin	60-57-1	Plant	SOIL	LANL NOEC	10	mg/kg	0575	0601
Diethyl Phthalate	84-66-2	Mammal	SEDIMENT	chronic NOAEL	4600	mg/kg/d	0344	0769
Diethyl Phthalate	84-66-2	Mammal	SOIL	chronic NOAEL	4600	mg/kg/d	0344	0769
Diethyl Phthalate	84-66-2	Mammal	WATER	chronic NOAEL	4600	mg/kg/d	0344	0769
Diethyl Phthalate	84-66-2	Plant	SOIL	ORNL benchmark	100	mg/kg	0094	0257
Dimethyl Phthalate	131-11-3	Aquatic (water)	WATER	Tier II SCV	210	µg/L	0727	0001
Dimethyl Phthalate	131-11-3	Invertebrate	SOIL	LANL NOEC	4720	mg/kg	0097	0272
Dimethyl Phthalate	131-11-3	Mammal	SEDIMENT	chronic NOAEL	83	mg/kg/d	0092	0769
Dimethyl Phthalate	131-11-3	Mammal	SOIL	chronic NOAEL	83	mg/kg/d	0092	0769
Dimethyl Phthalate	131-11-3	Mammal	WATER	chronic NOAEL	83	mg/kg/d	0092	0769
Di-n-Butyl Phthalate	84-74-2	Aquatic (sediment)	SEDIMENT	EqP	11	mg/kg	0711	0001
Di-n-Butyl Phthalate	84-74-2	Aquatic (water)	WATER	Tier II SCV	32.7	µg/L	0727	0001
Di-n-Butyl Phthalate	84-74-2	Bird	SEDIMENT	chronic NOAEL	0.14	mg/kg-d	0858	0759
Di-n-Butyl Phthalate	84-74-2	Bird	SOIL	chronic NOAEL	0.14	mg/kg-d	0858	0759
Di-n-Butyl Phthalate	84-74-2	Bird	WATER	chronic NOAEL	0.14	mg/kg-d	0858	0759
Di-n-Butyl Phthalate	84-74-2	Mammal	SEDIMENT	chronic NOAEL	600	mg/kg-d	0858	0769
Di-n-Butyl Phthalate	84-74-2	Mammal	SOIL	chronic NOAEL	600	mg/kg-d	0858	0769
Di-n-Butyl Phthalate	84-74-2	Mammal	WATER	chronic NOAEL	600	mg/kg-d	0858	0769
Di-n-Butyl Phthalate	84-74-2	Plant	SOIL	LANL NOEC	200	mg/kg	0858	0781
Di-n-hexylphthalate	84-75-3	Mammal	SEDIMENT	chronic NOAEL	55	mg/kg/d	0344	0769
Di-n-hexylphthalate	84-75-3	Mammal	SOIL	chronic NOAEL	55	mg/kg/d	0344	0769
Di-n-hexylphthalate	84-75-3	Mammal	WATER	chronic NOAEL	55	mg/kg/d	0344	0769
Dinitrobenzene[1,3-]	99-65-0	Aquatic (water)	WATER	chronic NOEC	26	µg/L	0716	0001
Dinitrobenzene[1,3-]	99-65-0	Bird	SEDIMENT	chronic NOAEL	0.000422	mg/kg/d	0716	0001
Dinitrobenzene[1,3-]	99-65-0	Bird	SOIL	chronic NOAEL	0.000422	mg/kg/d	0716	0001
Dinitrobenzene[1,3-]	99-65-0	Bird	WATER	chronic NOAEL	0.000422	mg/kg/d	0716	0001

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Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Dinitrobenzene[1,3-]	99-65-0	Mammal	SEDIMENT	chronic NOAEL	0.113	mg/kg/d	0480	0357
Dinitrobenzene[1,3-]	99-65-0	Mammal	SOIL	chronic NOAEL	0.113	mg/kg/d	0480	0357
Dinitrobenzene[1,3-]	99-65-0	Mammal	WATER	chronic NOAEL	0.113	mg/kg/d	0480	0357
Dinitrophenol[2,4-]	51-28-5	Plant	SOIL	ORNL benchmark	20	mg/kg	0094	0259
Dinitrotoluene[2,4-]	121-14-2	Aquatic (sediment)	SEDIMENT	EqP	0.29	mg/kg	0711	0001
Dinitrotoluene[2,4-]	121-14-2	Aquatic (water)	WATER	EPA Region-IV TRV	310	µg/L	0736	0001
Dinitrotoluene[2,4-]	121-14-2	Mammal	SEDIMENT	chronic NOAEL	0.54	mg/kg/d	0104	0464
Dinitrotoluene[2,4-]	121-14-2	Mammal	SOIL	chronic NOAEL	0.54	mg/kg/d	0104	0464
Dinitrotoluene[2,4-]	121-14-2	Mammal	WATER	chronic NOAEL	0.54	mg/kg/d	0104	0464
Dinitrotoluene[2,6-]	606-20-2	Aquatic (water)	WATER	chronic NOEC	60	µg/L	0716	0001
Dinitrotoluene[2,6-]	606-20-2	Mammal	SEDIMENT	chronic NOAEL	0.36	mg/kg/d	0104	0464
Dinitrotoluene[2,6-]	606-20-2	Mammal	SOIL	chronic NOAEL	0.36	mg/kg/d	0104	0464
Dinitrotoluene[2,6-]	606-20-2	Mammal	WATER	chronic NOAEL	0.36	mg/kg/d	0104	0464
Di-n-octylphthalate	117-84-0	Aquatic (water)	WATER	chronic NOEC	320	µg/L	0716	0001
Di-n-octylphthalate	117-84-0	Mammal	SEDIMENT	chronic NOAEL	79.4	mg/kg/d	0092	0769
Di-n-octylphthalate	117-84-0	Mammal	SOIL	chronic NOAEL	79.4	mg/kg/d	0092	0769
Di-n-octylphthalate	117-84-0	Mammal	WATER	chronic NOAEL	79.4	mg/kg/d	0092	0769
Dioxane[1,4-]	123-91-1	Mammal	SEDIMENT	chronic NOAEL	0.5	mg/kg/d	0344	0213
Dioxane[1,4-]	123-91-1	Mammal	SOIL	chronic NOAEL	0.5	mg/kg/d	0344	0213
Dioxane[1,4-]	123-91-1	Mammal	WATER	chronic NOAEL	0.5	mg/kg/d	0344	0213
Endosulfan	115-29-7	Aquatic (sediment)	SEDIMENT	EqP	0.006	mg/kg	0711	0001
Endosulfan	115-29-7	Aquatic (water)	WATER	NAWQC CCC	0.056	µg/L	0730	0001
Endosulfan	115-29-7	Bird	SEDIMENT	chronic NOAEL	10	mg/kg/d	0344	0182
Endosulfan	115-29-7	Bird	SOIL	chronic NOAEL	10	mg/kg/d	0344	0182
Endosulfan	115-29-7	Bird	WATER	chronic NOAEL	10	mg/kg/d	0344	0182
Endosulfan	115-29-7	Mammal	SEDIMENT	chronic NOAEL	1.5	mg/kg/d	0344	0181
Endosulfan	115-29-7	Mammal	SOIL	chronic NOAEL	1.5	mg/kg/d	0344	0181
Endosulfan	115-29-7	Mammal	WATER	chronic NOAEL	1.5	mg/kg/d	0344	0181
Endrin	72-20-8	Aquatic (sediment)	SEDIMENT	FCV	0.01	mg/kg	0733	0001
Endrin	72-20-8	Aquatic (water)	WATER	NAWQC CCC	0.036	µg/L	0730	0001
Endrin	72-20-8	Bird	SEDIMENT	chronic NOAEL	0.01	mg/kg/d	0344	0184
Endrin	72-20-8	Bird	SOIL	chronic NOAEL	0.01	mg/kg/d	0344	0184
Endrin	72-20-8	Bird	WATER	chronic NOAEL	0.01	mg/kg/d	0344	0184

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Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Endrin	72-20-8	Mammal	SEDIMENT	chronic NOAEL	0.092	mg/kg/d	0344	0183
Endrin	72-20-8	Mammal	SOIL	chronic NOAEL	0.092	mg/kg/d	0344	0183
Endrin	72-20-8	Mammal	WATER	chronic NOAEL	0.092	mg/kg/d	0344	0183
Endrin	72-20-8	Plant	SOIL	LANL NOEC	0.0034	mg/kg	0575	0593
Ethanol	64-17-5	Mammal	SEDIMENT	chronic NOAEL	32	mg/kg/d	0344	0214
Ethanol	64-17-5	Mammal	SOIL	chronic NOAEL	32	mg/kg/d	0344	0214
Ethanol	64-17-5	Mammal	WATER	chronic NOAEL	32	mg/kg/d	0344	0214
Ethyl Acetate	141-78-6	Mammal	SEDIMENT	chronic NOAEL	900	mg/kg/d	0344	0215
Ethyl Acetate	141-78-6	Mammal	SOIL	chronic NOAEL	900	mg/kg/d	0344	0215
Ethyl Acetate	141-78-6	Mammal	WATER	chronic NOAEL	900	mg/kg/d	0344	0215
Fluoranthene	206-44-0	Aquatic (sediment)	SEDIMENT	FCV	2.9	mg/kg	0733	0001
Fluoranthene	206-44-0	Aquatic (water)	WATER	Tier I FCV	6.16	µg/L	0727	0001
Fluoranthene	206-44-0	Mammal	SEDIMENT	chronic NOAEL	12.5	mg/kg/d	0092	0381
Fluoranthene	206-44-0	Mammal	SOIL	chronic NOAEL	12.5	mg/kg/d	0092	0381
Fluoranthene	206-44-0	Mammal	WATER	chronic NOAEL	12.5	mg/kg/d	0092	0381
Fluorene	86-73-7	Aquatic (sediment)	SEDIMENT	EqP	0.54	mg/kg	0711	0001
Fluorene	86-73-7	Aquatic (water)	WATER	Tier II	3.9	µg/L	0733	0001
Fluorene	86-73-7	Invertebrate	SOIL	LANL NOEC	500	mg/kg	0097	0272
Fluorene	86-73-7	Mammal	SEDIMENT	chronic NOAEL	12.5	mg/kg/d	0575	0478
Fluorene	86-73-7	Mammal	SOIL	chronic NOAEL	12.5	mg/kg/d	0575	0478
Fluorene	86-73-7	Mammal	WATER	chronic NOAEL	12.5	mg/kg/d	0575	0478
Fluoride	F(-1)	Aquatic (water)	WATER	AWQC CCC	1600	µg/L	0855	0001
Fluoride	F(-1)	Bird	SEDIMENT	chronic NOAEL	7.8	mg/kg/d	0715	0090
Fluoride	F(-1)	Bird	SOIL	chronic NOAEL	7.8	mg/kg/d	0715	0090
Fluoride	F(-1)	Bird	WATER	chronic NOAEL	7.8	mg/kg/d	0715	0090
Fluoride	F(-1)	Mammal	SEDIMENT	chronic NOAEL	26.6	mg/kg/d	0715	0216
Fluoride	F(-1)	Mammal	SOIL	chronic NOAEL	26.6	mg/kg/d	0715	0216
Fluoride	F(-1)	Mammal	WATER	chronic NOAEL	26.6	mg/kg/d	0715	0216
Fluorine	F2	Plant	SOIL	ORNL benchmark	200	mg/kg	0094	0105
Formaldehyde	50-00-0	Mammal	SEDIMENT	chronic NOAEL	9.4	mg/kg/d	0344	0217
Formaldehyde	50-00-0	Mammal	SOIL	chronic NOAEL	9.4	mg/kg/d	0344	0217
Formaldehyde	50-00-0	Mammal	WATER	chronic NOAEL	9.4	mg/kg/d	0344	0217
Furan	110-00-9	Plant	SOIL	ORNL benchmark	600	mg/kg	0094	0257

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Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Heptachlor	76-44-8	Aquatic (sediment)	SEDIMENT	UET	0.01	mg/kg	0711	0001
Heptachlor	76-44-8	Aquatic (water)	WATER	Tier II SCV	0.029	µg/L	0727	0001
Heptachlor	76-44-8	Bird	SEDIMENT	chronic NOAEL	0.92	mg/kg/d	0575	0762
Heptachlor	76-44-8	Bird	SOIL	chronic NOAEL	0.92	mg/kg/d	0575	0762
Heptachlor	76-44-8	Bird	WATER	chronic NOAEL	0.92	mg/kg/d	0575	0762
Heptachlor	76-44-8	Mammal	SEDIMENT	chronic NOAEL	0.1	mg/kg/d	0344	0185
Heptachlor	76-44-8	Mammal	SOIL	chronic NOAEL	0.1	mg/kg/d	0344	0185
Heptachlor	76-44-8	Mammal	WATER	chronic NOAEL	0.1	mg/kg/d	0344	0185
Heptachlor	76-44-8	Plant	SOIL	LANL NOEC	0.408	mg/kg	0575	0300
Hexachlorocyclopentadiene	77-47-4	Plant	SOIL	ORNL benchmark	10	mg/kg	0094	0257
Hexachlorodibenzofuran[1,2,3,6,7,8-]	57117-44-9	Mammal	SEDIMENT	chronic NOAEL	0.0016	mg/kg/d	0344	0218
Hexachlorodibenzofuran[1,2,3,6,7,8-]	57117-44-9	Mammal	SOIL	chronic NOAEL	0.0016	mg/kg/d	0344	0218
Hexachlorodibenzofuran[1,2,3,6,7,8-]	57117-44-9	Mammal	WATER	chronic NOAEL	0.0016	mg/kg/d	0344	0218
HMX	2691-41-0	Invertebrate	SOIL	chronic NOEC	500	mg/kg	0903	0784
HMX	2691-41-0	Mammal	SEDIMENT	chronic NOAEL	75	mg/kg/d	0903	0465
HMX	2691-41-0	Mammal	SOIL	chronic NOAEL	75	mg/kg/d	0903	0465
HMX	2691-41-0	Mammal	WATER	chronic NOAEL	75	mg/kg/d	0903	0465
Indeno(1,2,3-cd)pyrene	193-39-5	Aquatic (sediment)	SEDIMENT	ERL	0.078	mg/kg	0747	0001
Indeno(1,2,3-cd)pyrene	193-39-5	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	SEDIMENT	chronic NOAEL	7.2	mg/kg/d	0575	0378
Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	SOIL	chronic NOAEL	7.2	mg/kg/d	0575	0378
Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	WATER	chronic NOAEL	7.2	mg/kg/d	0575	0378
Iodine	I2	Plant	SOIL	ORNL benchmark	4	mg/kg	0094	0241
Iron	FE	Aquatic (sediment)	SEDIMENT	LEL	20	mg/kg	0303	0001
Kepone	143-50-0	Bird	SEDIMENT	chronic NOAEL	8.499	mg/kg/d	0575	0595
Kepone	143-50-0	Bird	SOIL	chronic NOAEL	8.499	mg/kg/d	0575	0595
Kepone	143-50-0	Bird	WATER	chronic NOAEL	8.499	mg/kg/d	0575	0595
Kepone	143-50-0	Mammal	SEDIMENT	chronic NOAEL	0.08	mg/kg/d	0344	0175
Kepone	143-50-0	Mammal	SOIL	chronic NOAEL	0.08	mg/kg/d	0344	0175
Kepone	143-50-0	Mammal	WATER	chronic NOAEL	0.08	mg/kg/d	0344	0175
Lead	PB	Aquatic (sediment)	SEDIMENT	TEL	34.2	mg/kg	0747	0001
Lead	PB	Aquatic (water)	WATER	NAWQC CCC	1.2	µg/L	0730	0001
Lead	PB	Bird	SEDIMENT	chronic NOAEL	5.1	mg/kg/d	0903	0187

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Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Lead	PB	Bird	SOIL	chronic NOAEL	5.1	mg/kg/d	0903	0187
Lead	PB	Bird	WATER	chronic NOAEL	5.1	mg/kg/d	0903	0187
Lead	PB	Invertebrate	SOIL	chronic NOEC	2000	mg/kg	0903	0032
Lead	PB	Mammal	SEDIMENT	chronic NOAEL	5.8	mg/kg/d	0903	0186
Lead	PB	Mammal	SOIL	chronic NOAEL	5.8	mg/kg/d	0903	0186
Lead	PB	Mammal	WATER	chronic NOAEL	5.8	mg/kg/d	0903	0186
Lead	PB	Plant	SOIL	chronic NOEC	450	mg/kg	0903	0119
Lithium	LI	Mammal	SEDIMENT	chronic NOAEL	9.4	mg/kg/d	0344	0219
Lithium	LI	Mammal	SOIL	chronic NOAEL	9.4	mg/kg/d	0344	0219
Lithium	LI	Mammal	WATER	chronic NOAEL	9.4	mg/kg/d	0344	0219
Lithium	LI	Plant	SOIL	ORNL benchmark	2	mg/kg	0094	0242
Manganese	MN	Aquatic (sediment)	SEDIMENT	ERL	726	mg/kg	0747	0001
Manganese	MN	Aquatic (water)	WATER	Tier II SCV	80.3	µg/L	0727	0001
Manganese	MN	Bird	SEDIMENT	chronic NOAEL	575	mg/kg/d	0715	0193
Manganese	MN	Bird	SOIL	chronic NOAEL	575	mg/kg/d	0715	0193
Manganese	MN	Bird	WATER	chronic NOAEL	575	mg/kg/d	0715	0193
Manganese	MN	Mammal	SEDIMENT	chronic NOAEL	44	mg/kg/d	0715	0192
Manganese	MN	Mammal	SOIL	chronic NOAEL	44	mg/kg/d	0715	0192
Manganese	MN	Mammal	WATER	chronic NOAEL	44	mg/kg/d	0715	0192
Manganese	MN	Plant	SOIL	chronic NOEC	5	mg/kg	0715	0240
Mercury (inorganic)	HGI	Aquatic (sediment)	SEDIMENT	EPA Region-IV TRV	0.13	mg/kg	0736	0001
Mercury (inorganic)	HGI	Aquatic (water)	WATER	AWQC	1.3	µg/L	0733	0001
Mercury (inorganic)	HGI	Bird	SEDIMENT	chronic NOAEL	0.45	mg/kg/d	0344	0017
Mercury (inorganic)	HGI	Bird	SOIL	chronic NOAEL	0.45	mg/kg/d	0344	0017
Mercury (inorganic)	HGI	Bird	WATER	chronic NOAEL	0.45	mg/kg/d	0344	0017
Mercury (inorganic)	HGI	Invertebrate	SOIL	LANL NOEC	0.05	mg/kg	0097	0039
Mercury (inorganic)	HGI	Mammal	SEDIMENT	chronic NOAEL	13	mg/kg/d	0344	0018
Mercury (inorganic)	HGI	Mammal	SOIL	chronic NOAEL	13	mg/kg/d	0344	0018
Mercury (inorganic)	HGI	Mammal	WATER	chronic NOAEL	13	mg/kg/d	0344	0018
Mercury (inorganic)	HGI	Plant	SOIL	LANL NOEC	34.9	mg/kg	0095	0135
Mercury (methyl)	HGM	Aquatic (water)	WATER	Tier II SCV	0.0028	µg/L	0048	0001
Mercury (methyl)	HGM	Bird	SEDIMENT	chronic NOAEL	0.0064	mg/kg/d	0344	0021
Mercury (methyl)	HGM	Bird	SOIL	chronic NOAEL	0.0064	mg/kg/d	0344	0021

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Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Mercury (methyl)	HGM	Bird	WATER	chronic NOAEL	0.0064	mg/kg/d	0344	0021
Mercury (methyl)	HGM	Invertebrate	SOIL	LANL NOEC	2.5	mg/kg	0097	0042
Mercury (methyl)	HGM	Mammal	SEDIMENT	chronic NOAEL	0.032	mg/kg/d	0344	0020
Mercury (methyl)	HGM	Mammal	SOIL	chronic NOAEL	0.032	mg/kg/d	0344	0020
Mercury (methyl)	HGM	Mammal	WATER	chronic NOAEL	0.032	mg/kg/d	0344	0020
Methanol	67-56-1	Mammal	SEDIMENT	chronic NOAEL	500	mg/kg/d	0344	0220
Methanol	67-56-1	Mammal	SOIL	chronic NOAEL	500	mg/kg/d	0344	0220
Methanol	67-56-1	Mammal	WATER	chronic NOAEL	500	mg/kg/d	0344	0220
Methoxychlor[4,4'-]	72-43-5	Aquatic (sediment)	SEDIMENT	EqP	0.03	mg/kg	0711	0001
Methoxychlor[4,4'-]	72-43-5	Aquatic (water)	WATER	NAWQC CCC	0.03	µg/L	0730	0001
Methoxychlor[4,4'-]	72-43-5	Bird	SEDIMENT	chronic NOAEL	20	mg/kg/d	0306	0651
Methoxychlor[4,4'-]	72-43-5	Bird	SOIL	chronic NOAEL	20	mg/kg/d	0306	0651
Methoxychlor[4,4'-]	72-43-5	Bird	WATER	chronic NOAEL	20	mg/kg/d	0306	0651
Methoxychlor[4,4'-]	72-43-5	Mammal	SEDIMENT	chronic NOAEL	4	mg/kg/d	0344	0772
Methoxychlor[4,4'-]	72-43-5	Mammal	SOIL	chronic NOAEL	4	mg/kg/d	0344	0772
Methoxychlor[4,4'-]	72-43-5	Mammal	WATER	chronic NOAEL	4	mg/kg/d	0344	0772
Methyl-2-pentanone[4-]	108-10-1	Mammal	SEDIMENT	chronic NOAEL	25	mg/kg/d	0344	0506
Methyl-2-pentanone[4-]	108-10-1	Mammal	SOIL	chronic NOAEL	25	mg/kg/d	0344	0506
Methyl-2-pentanone[4-]	108-10-1	Mammal	WATER	chronic NOAEL	25	mg/kg/d	0344	0506
Methylene Chloride	75-09-2	Aquatic (sediment)	SEDIMENT	EqP	0.38	mg/kg	0711	0001
Methylene Chloride	75-09-2	Aquatic (water)	WATER	Tier II SCV	2240	µg/L	0727	0001
Methylene Chloride	75-09-2	Mammal	SEDIMENT	chronic NOAEL	5.9	mg/kg/d	0344	0751
Methylene Chloride	75-09-2	Mammal	SOIL	chronic NOAEL	5.9	mg/kg/d	0344	0751
Methylene Chloride	75-09-2	Mammal	WATER	chronic NOAEL	5.9	mg/kg/d	0344	0751
Methylene Chloride	75-09-2	Plant	SOIL	LANL NOEC	1668	mg/kg	0575	0584
Methylnaphthalene[2-]	91-57-6	Aquatic (sediment)	SEDIMENT	EqP	0.18	mg/kg	0711	0001
Methylnaphthalene[2-]	91-57-6	Aquatic (water)	WATER	Tier II SCV	2.08	µg/L	0727	0001
Methylnaphthalene[2-]	91-57-6	Mammal	SEDIMENT	chronic NOAEL	2.5	mg/kg/d	0092	0372
Methylnaphthalene[2-]	91-57-6	Mammal	SOIL	chronic NOAEL	2.5	mg/kg/d	0092	0372
Methylnaphthalene[2-]	91-57-6	Mammal	WATER	chronic NOAEL	2.5	mg/kg/d	0092	0372
Methylphenol[2-]	95-48-7	Mammal	SEDIMENT	chronic NOAEL	220	mg/kg/d	0344	0212
Methylphenol[2-]	95-48-7	Mammal	SOIL	chronic NOAEL	220	mg/kg/d	0344	0212
Methylphenol[2-]	95-48-7	Mammal	WATER	chronic NOAEL	220	mg/kg/d	0344	0212

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Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Molybdenum	MO	Aquatic (water)	WATER	Tier II SCV	239	µg/L	0727	0001
Molybdenum	MO	Bird	SEDIMENT	chronic NOAEL	3.5	mg/kg/d	0344	0596
Molybdenum	MO	Bird	SOIL	chronic NOAEL	3.5	mg/kg/d	0344	0596
Molybdenum	MO	Bird	WATER	chronic NOAEL	3.5	mg/kg/d	0344	0596
Molybdenum	MO	Mammal	SEDIMENT	chronic NOAEL	0.26	mg/kg/d	0344	0159
Molybdenum	MO	Mammal	SOIL	chronic NOAEL	0.26	mg/kg/d	0344	0159
Molybdenum	MO	Mammal	WATER	chronic NOAEL	0.26	mg/kg/d	0344	0159
Molybdenum	MO	Plant	SOIL	ORNL benchmark	2	mg/kg	0094	0105
Naphthalene	91-20-3	Aquatic (sediment)	SEDIMENT	EqP	0.47	mg/kg	0711	0001
Naphthalene	91-20-3	Aquatic (water)	WATER	Tier II SCV	23.4	µg/L	0727	0001
Naphthalene	91-20-3	Bird	SEDIMENT	chronic NOAEL	0.139	mg/kg/d	0428	0773
Naphthalene	91-20-3	Bird	SOIL	chronic NOAEL	0.139	mg/kg/d	0428	0773
Naphthalene	91-20-3	Bird	WATER	chronic NOAEL	0.139	mg/kg/d	0428	0773
Naphthalene	91-20-3	Mammal	SEDIMENT	chronic NOAEL	5	mg/kg/d	0092	0602
Naphthalene	91-20-3	Mammal	SOIL	chronic NOAEL	5	mg/kg/d	0092	0602
Naphthalene	91-20-3	Mammal	WATER	chronic NOAEL	5	mg/kg/d	0092	0602
Nickel	NI	Aquatic (sediment)	SEDIMENT	ERL	39.6	mg/kg	0747	0001
Nickel	NI	Aquatic (water)	WATER	NAWQC CCC	28.9	µg/L	0730	0001
Nickel	NI	Bird	SEDIMENT	chronic NOAEL	77.4	mg/kg/d	0344	0196
Nickel	NI	Bird	SOIL	chronic NOAEL	77.4	mg/kg/d	0344	0196
Nickel	NI	Bird	WATER	chronic NOAEL	77.4	mg/kg/d	0344	0196
Nickel	NI	Invertebrate	SOIL	LANL NOEC	100	mg/kg	0097	0030
Nickel	NI	Mammal	SEDIMENT	chronic NOAEL	40	mg/kg/d	0344	0195
Nickel	NI	Mammal	SOIL	chronic NOAEL	40	mg/kg/d	0344	0195
Nickel	NI	Mammal	WATER	chronic NOAEL	40	mg/kg/d	0344	0195
Nickel	NI	Plant	SOIL	LANL NOEC	20	mg/kg	0095	0001
Niobium	NB	Mammal	SEDIMENT	chronic NOAEL	0.16	mg/kg/d	0344	0007
Niobium	NB	Mammal	SOIL	chronic NOAEL	0.16	mg/kg/d	0344	0007
Niobium	NB	Mammal	WATER	chronic NOAEL	0.16	mg/kg/d	0344	0007
Nitrate (expressed as NO3)	NO3(-1)	Aquatic (water)	WATER	Tier II	703.7	µg/L	0711	0001
Nitrate (expressed as NO3)	NO3(-1)	Mammal	SEDIMENT	chronic NOAEL	500	mg/kg/d	0344	0224
Nitrate (expressed as NO3)	NO3(-1)	Mammal	SOIL	chronic NOAEL	500	mg/kg/d	0344	0224
Nitrate (expressed as NO3)	NO3(-1)	Mammal	WATER	chronic NOAEL	500	mg/kg/d	0344	0224

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Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Nitrobenzene	98-95-3	Aquatic (water)	WATER	EPA Region-IV	270	µg/L	0736	0001
Nitrobenzene	98-95-3	Invertebrate	SOIL	LANL NOEC	22.6	mg/kg	0097	0276
Nitrobenzene	98-95-3	Mammal	SEDIMENT	chronic NOAEL	7	mg/kg/d	0102	0368
Nitrobenzene	98-95-3	Mammal	SOIL	chronic NOAEL	7	mg/kg/d	0102	0368
Nitrobenzene	98-95-3	Mammal	WATER	chronic NOAEL	7	mg/kg/d	0102	0368
Nitroglycerine	55-63-0	Mammal	SEDIMENT	chronic NOAEL	96.4	mg/kg/d	0715	0363
Nitroglycerine	55-63-0	Mammal	SOIL	chronic NOAEL	96.4	mg/kg/d	0715	0363
Nitroglycerine	55-63-0	Mammal	WATER	chronic NOAEL	96.4	mg/kg/d	0715	0363
Nitrophenol[4-]	100-02-7	Invertebrate	SOIL	LANL NOEC	3.8	mg/kg	0097	0276
Nitrosodiphenylamine[N-]	86-30-6	Invertebrate	SOIL	LANL NOEC	10.9	mg/kg	0097	0276
Nitrotoluene[2-]	88-72-2	Mammal	SEDIMENT	chronic NOAEL	1.8	mg/kg/d	0104	0464
Nitrotoluene[2-]	88-72-2	Mammal	SOIL	chronic NOAEL	1.8	mg/kg/d	0104	0464
Nitrotoluene[2-]	88-72-2	Mammal	WATER	chronic NOAEL	1.8	mg/kg/d	0104	0464
Nitrotoluene[3-]	99-08-1	Mammal	SEDIMENT	chronic NOAEL	2.2	mg/kg/d	0104	0464
Nitrotoluene[3-]	99-08-1	Mammal	SOIL	chronic NOAEL	2.2	mg/kg/d	0104	0464
Nitrotoluene[3-]	99-08-1	Mammal	WATER	chronic NOAEL	2.2	mg/kg/d	0104	0464
Nitrotoluene[4-]	99-99-0	Mammal	SEDIMENT	chronic NOAEL	4	mg/kg/d	0104	0464
Nitrotoluene[4-]	99-99-0	Mammal	SOIL	chronic NOAEL	4	mg/kg/d	0104	0464
Nitrotoluene[4-]	99-99-0	Mammal	WATER	chronic NOAEL	4	mg/kg/d	0104	0464
Pentachloroaniline	527-20-8	Invertebrate	SOIL	LANL NOEC	82.5	mg/kg	0097	0273
Pentachlorobenzene	608-93-5	Invertebrate	SOIL	LANL NOEC	11.5	mg/kg	0097	0280
Pentachlorodibenzofuran[1,2,3,4,8-]	67517-48-0	Mammal	SEDIMENT	chronic NOAEL	0.48	mg/kg/d	0344	0218
Pentachlorodibenzofuran[1,2,3,4,8-]	67517-48-0	Mammal	SOIL	chronic NOAEL	0.48	mg/kg/d	0344	0218
Pentachlorodibenzofuran[1,2,3,4,8-]	67517-48-0	Mammal	WATER	chronic NOAEL	0.48	mg/kg/d	0344	0218
Pentachloronitrobenzene	82-68-8	Aquatic (sediment)	SEDIMENT	EqP	3.6	mg/kg	0711	0001
Pentachloronitrobenzene	82-68-8	Aquatic (water)	WATER	chronic NOEC	10	µg/L	0716	0001
Pentachloronitrobenzene	82-68-8	Bird	SEDIMENT	chronic NOAEL	7.1	mg/kg/d	0344	0197
Pentachloronitrobenzene	82-68-8	Bird	SOIL	chronic NOAEL	7.1	mg/kg/d	0344	0197
Pentachloronitrobenzene	82-68-8	Bird	WATER	chronic NOAEL	7.1	mg/kg/d	0344	0197
Pentachloronitrobenzene	82-68-8	Mammal	SEDIMENT	chronic NOAEL	65	mg/kg/d	0575	0597
Pentachloronitrobenzene	82-68-8	Mammal	SOIL	chronic NOAEL	65	mg/kg/d	0575	0597
Pentachloronitrobenzene	82-68-8	Mammal	WATER	chronic NOAEL	65	mg/kg/d	0575	0597
Pentachlorophenol	87-86-5	Aquatic (sediment)	SEDIMENT	EqP	2.4	mg/kg	0711	0001

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Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Pentachlorophenol	87-86-5	Aquatic (water)	WATER	NAWQC CCC	2.4	µg/L	0730	0001
Pentachlorophenol	87-86-5	Bird	SEDIMENT	chronic NOAEL	3.29	mg/kg/d	0575	0707
Pentachlorophenol	87-86-5	Bird	SOIL	chronic NOAEL	3.29	mg/kg/d	0575	0707
Pentachlorophenol	87-86-5	Bird	WATER	chronic NOAEL	3.29	mg/kg/d	0575	0707
Pentachlorophenol	87-86-5	Invertebrate	SOIL	LANL NOEC	10	mg/kg	0097	0269
Pentachlorophenol	87-86-5	Mammal	SEDIMENT	chronic NOAEL	0.24	mg/kg/d	0344	0198
Pentachlorophenol	87-86-5	Mammal	SOIL	chronic NOAEL	0.24	mg/kg/d	0344	0198
Pentachlorophenol	87-86-5	Mammal	WATER	chronic NOAEL	0.24	mg/kg/d	0344	0198
Pentachlorophenol	87-86-5	Plant	SOIL	LANL NOEC	0.32	mg/kg	0095	0257
PETN	78-11-5	Mammal	SEDIMENT	chronic NOAEL	5900	mg/kg/d	0101	0363
PETN	78-11-5	Mammal	SOIL	chronic NOAEL	5900	mg/kg/d	0101	0363
PETN	78-11-5	Mammal	WATER	chronic NOAEL	5900	mg/kg/d	0101	0363
Phenanthrene	85-01-8	Aquatic (sediment)	SEDIMENT	FCV	0.85	mg/kg	0733	0001
Phenanthrene	85-01-8	Aquatic (water)	WATER	Tier I FCV	6.3	µg/L	0735	0001
Phenanthrene	85-01-8	Mammal	SEDIMENT	chronic NOAEL	51.4	mg/kg/d	0575	0606
Phenanthrene	85-01-8	Mammal	SOIL	chronic NOAEL	51.4	mg/kg/d	0575	0606
Phenanthrene	85-01-8	Mammal	WATER	chronic NOAEL	51.4	mg/kg/d	0575	0606
Phenol	108-95-2	Aquatic (water)	WATER	Tier II SCV	117	µg/L	0727	0001
Phenol	108-95-2	Invertebrate	SOIL	LANL NOEC	3900	mg/kg	0097	0272
Phenol	108-95-2	Mammal	SEDIMENT	chronic NOAEL	60	mg/kg/d	0141	0474
Phenol	108-95-2	Mammal	SOIL	chronic NOAEL	60	mg/kg/d	0141	0474
Phenol	108-95-2	Mammal	WATER	chronic NOAEL	60	mg/kg/d	0141	0474
Phenol	108-95-2	Plant	SOIL	LANL NOEC	7.9	mg/kg	0095	0257
Polychlorinated Biphenyls	1336-36-3	Aquatic (sediment)	SEDIMENT	TEL	0.03162	mg/kg	0747	0001
Pyrene	129-00-0	Aquatic (sediment)	SEDIMENT	ERL	0.57	mg/kg	0747	0001
Pyrene	129-00-0	Aquatic (water)	WATER	10% AWQC acute	30	µg/L	0711	0001
Pyrene	129-00-0	Mammal	SEDIMENT	chronic NOAEL	7.5	mg/kg/d	0092	0372
Pyrene	129-00-0	Mammal	SOIL	chronic NOAEL	7.5	mg/kg/d	0092	0372
Pyrene	129-00-0	Mammal	WATER	chronic NOAEL	7.5	mg/kg/d	0092	0372
RDX	121-82-4	Invertebrate	SOIL	chronic NOEC	500	mg/kg	0903	0784
RDX	121-82-4	Mammal	SEDIMENT	chronic NOAEL	10	mg/kg/d	0903	0853
RDX	121-82-4	Mammal	SOIL	chronic NOAEL	10	mg/kg/d	0903	0853
RDX	121-82-4	Mammal	WATER	chronic NOAEL	10	mg/kg/d	0903	0853

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Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
RDX	121-82-4	Plant	SOIL	SNL benchmark	100	mg/kg	0092	0468
Selenium	SE	Aquatic (sediment)	SEDIMENT	AET	1	mg/kg	0735	0001
Selenium	SE	Aquatic (water)	WATER	NM Stream STD	2	µg/L	0732	0001
Selenium	SE	Bird	SEDIMENT	chronic NOAEL	0.44	mg/kg/d	0344	0024
Selenium	SE	Bird	SOIL	chronic NOAEL	0.44	mg/kg/d	0344	0024
Selenium	SE	Bird	WATER	chronic NOAEL	0.44	mg/kg/d	0344	0024
Selenium	SE	Invertebrate	SOIL	LANL NOEC	7.7	mg/kg	0097	0043
Selenium	SE	Mammal	SEDIMENT	chronic NOAEL	0.2	mg/kg/d	0344	0022
Selenium	SE	Mammal	SOIL	chronic NOAEL	0.2	mg/kg/d	0344	0022
Selenium	SE	Mammal	WATER	chronic NOAEL	0.2	mg/kg/d	0344	0022
Selenium	SE	Plant	SOIL	LANL NOEC	0.5	mg/kg	0095	0137
Silver	AG	Aquatic (sediment)	SEDIMENT	ERL	1	mg/kg	0100	0001
Silver	AG	Aquatic (water)	WATER	Tier II SCV	0.36	µg/L	0727	0001
Silver	AG	Bird	SEDIMENT	chronic NOAEL	5.44	mg/kg/d	0903	0629
Silver	AG	Bird	SOIL	chronic NOAEL	5.44	mg/kg/d	0903	0629
Silver	AG	Bird	WATER	chronic NOAEL	5.44	mg/kg/d	0903	0629
Silver	AG	Mammal	SEDIMENT	chronic NOAEL	2	mg/kg-d	0858	0664
Silver	AG	Mammal	SOIL	chronic NOAEL	2	mg/kg-d	0858	0664
Silver	AG	Mammal	WATER	chronic NOAEL	2	mg/kg-d	0858	0664
Silver	AG	Plant	SOIL	chronic NOEC	0.05	mg/kg	0903	0641
Strontium (stable)	SR	Aquatic (water)	WATER	Tier II SCV	620	µg/L	0727	0001
Strontium (stable)	SR	Mammal	SEDIMENT	chronic NOAEL	25	mg/kg/d	0715	0225
Strontium (stable)	SR	Mammal	SOIL	chronic NOAEL	25	mg/kg/d	0715	0225
Strontium (stable)	SR	Mammal	WATER	chronic NOAEL	25	mg/kg/d	0715	0225
Styrene	100-42-5	Plant	SOIL	ORNL benchmark	300	mg/kg	0094	0257
Technetium	TC	Plant	SOIL	ORNL benchmark	0.2	mg/kg	0094	0249
Tetrachloroaniline[2,3,5,6-]	3481-20-7	Invertebrate	SOIL	LANL NOEC	11.6	mg/kg	0097	0273
Tetrachloroaniline[2,3,5,6-]	3481-20-7	Plant	SOIL	ORNL benchmark	20	mg/kg	0094	0258
Tetrachlorobenzene[1,2,3,4-]	634-66-2	Invertebrate	SOIL	LANL NOEC	7.5	mg/kg	0097	0280
Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Aquatic (sediment)	SEDIMENT	UET	0.0000088	mg/kg	0735	0001
Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Aquatic (water)	WATER	chronic NOEC	0.0000038	µg/L	0716	0001
Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	SEDIMENT	chronic NOAEL	0.000014	mg/kg/d	0344	0201
Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	SOIL	chronic NOAEL	0.000014	mg/kg/d	0344	0201

Supplemental Table L.4
Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	WATER	chronic NOAEL	0.000014	mg/kg/d	0344	0201
Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Invertebrate	SOIL	LANL NOEC	5	mg/kg	0575	0598
Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	SEDIMENT	chronic NOAEL	0.000001	mg/kg/d	0344	0200
Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	SOIL	chronic NOAEL	0.000001	mg/kg/d	0344	0200
Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	WATER	chronic NOAEL	0.000001	mg/kg/d	0344	0200
Tetrachlorodibenzofuran[2,3,7,8-]	51207-31-9	Bird	SEDIMENT	chronic NOAEL	0.00001	mg/kg/d	0344	0202
Tetrachlorodibenzofuran[2,3,7,8-]	51207-31-9	Bird	SOIL	chronic NOAEL	0.00001	mg/kg/d	0344	0202
Tetrachlorodibenzofuran[2,3,7,8-]	51207-31-9	Bird	WATER	chronic NOAEL	0.00001	mg/kg/d	0344	0202
Tetrachloroethane[1,1,2,2-]	79-34-5	Aquatic (sediment)	SEDIMENT	EqP	0.94	mg/kg	0711	0001
Tetrachloroethane[1,1,2,2-]	79-34-5	Aquatic (water)	WATER	Tier II SCV	418	µg/L	0727	0001
Tetrachloroethane[1,1,2,2-]	79-34-5	Mammal	SEDIMENT	chronic NOAEL	14	mg/kg/d	0092	0685
Tetrachloroethane[1,1,2,2-]	79-34-5	Mammal	SOIL	chronic NOAEL	14	mg/kg/d	0092	0685
Tetrachloroethane[1,1,2,2-]	79-34-5	Mammal	WATER	chronic NOAEL	14	mg/kg/d	0092	0685
Tetrachloroethene	127-18-4	Aquatic (sediment)	SEDIMENT	EqP	0.53	mg/kg	0711	0001
Tetrachloroethene	127-18-4	Aquatic (water)	WATER	Tier II SCV	125	µg/L	0727	0001
Tetrachloroethene	127-18-4	Mammal	SEDIMENT	chronic NOAEL	1.4	mg/kg/d	0344	0206
Tetrachloroethene	127-18-4	Mammal	SOIL	chronic NOAEL	1.4	mg/kg/d	0344	0206
Tetrachloroethene	127-18-4	Mammal	WATER	chronic NOAEL	1.4	mg/kg/d	0344	0206
Tetrachlorophenol[2,3,4,5-]	4901-51-3	Invertebrate	SOIL	LANL NOEC	11.6	mg/kg	0097	0278
Tetryl	479-45-8	Mammal	SEDIMENT	chronic NOAEL	1.3	mg/kg/d	0480	0366
Tetryl	479-45-8	Mammal	SOIL	chronic NOAEL	1.3	mg/kg/d	0480	0366
Tetryl	479-45-8	Mammal	WATER	chronic NOAEL	1.3	mg/kg/d	0480	0366
Tetryl	479-45-8	Plant	SOIL	SNL benchmark	25	mg/kg	0092	0377
Thallium	TL	Aquatic (water)	WATER	Tier II SCV	18	µg/L	0727	0001
Thallium	TL	Mammal	SEDIMENT	chronic NOAEL	0.071	mg/kg-d	0858	0027
Thallium	TL	Mammal	SOIL	chronic NOAEL	0.071	mg/kg-d	0858	0027
Thallium	TL	Mammal	WATER	chronic NOAEL	0.071	mg/kg-d	0858	0027
Thallium	TL	Plant	SOIL	chronic NOEC	0.1	mg/kg	0903	0619
Tin	SN	Bird	SEDIMENT	chronic NOAEL	6.8	mg/kg/d	0344	0227
Tin	SN	Bird	SOIL	chronic NOAEL	6.8	mg/kg/d	0344	0227
Tin	SN	Bird	WATER	chronic NOAEL	6.8	mg/kg/d	0344	0227
Tin	SN	Mammal	SEDIMENT	chronic NOAEL	23	mg/kg/d	0344	0226
Tin	SN	Mammal	SOIL	chronic NOAEL	23	mg/kg/d	0344	0226

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Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Tin	SN	Mammal	WATER	chronic NOAEL	23	mg/kg/d	0344	0226
Tin	SN	Plant	SOIL	ORNL benchmark	50	mg/kg	0094	0250
Titanium	TI	Mammal	SEDIMENT	chronic NOAEL	15.8	mg/kg/d	0092	0358
Titanium	TI	Mammal	SOIL	chronic NOAEL	15.8	mg/kg/d	0092	0358
Titanium	TI	Mammal	WATER	chronic NOAEL	15.8	mg/kg/d	0092	0358
Toluene	108-88-3	Aquatic (sediment)	SEDIMENT	EqP	0.67	mg/kg	0711	0001
Toluene	108-88-3	Aquatic (water)	WATER	Tier II SCV	133	µg/L	0727	0001
Toluene	108-88-3	Mammal	SEDIMENT	chronic NOAEL	26	mg/kg/d	0344	0718
Toluene	108-88-3	Mammal	SOIL	chronic NOAEL	26	mg/kg/d	0344	0718
Toluene	108-88-3	Mammal	WATER	chronic NOAEL	26	mg/kg/d	0344	0718
Toluene	108-88-3	Plant	SOIL	LANL NOEC	200	mg/kg	0095	0259
Toxaphene (Technical Grade)	8001-35-2	Aquatic (sediment)	SEDIMENT	EqP	0.00051	mg/kg	0711	0001
Toxaphene (Technical Grade)	8001-35-2	Aquatic (water)	WATER	NAWQC CCC	0.0002	µg/L	0730	0001
Toxaphene (Technical Grade)	8001-35-2	Bird	SEDIMENT	chronic NOAEL	10	mg/kg/d	0575	0587
Toxaphene (Technical Grade)	8001-35-2	Bird	SOIL	chronic NOAEL	10	mg/kg/d	0575	0587
Toxaphene (Technical Grade)	8001-35-2	Bird	WATER	chronic NOAEL	10	mg/kg/d	0575	0587
Toxaphene (Technical Grade)	8001-35-2	Mammal	SEDIMENT	chronic NOAEL	8	mg/kg/d	0344	0775
Toxaphene (Technical Grade)	8001-35-2	Mammal	SOIL	chronic NOAEL	8	mg/kg/d	0344	0775
Toxaphene (Technical Grade)	8001-35-2	Mammal	WATER	chronic NOAEL	8	mg/kg/d	0344	0775
Trichloroaniline[2,4,5-]	636-30-6	Invertebrate	SOIL	LANL NOEC	13.4	mg/kg	0097	0273
Trichloroaniline[2,4,5-]	636-30-6	Plant	SOIL	ORNL benchmark	20	mg/kg	0094	0258
Trichlorobenzene[1,2,3-]	87-61-6	Invertebrate	SOIL	LANL NOEC	11.5	mg/kg	0097	0275
Trichlorobenzene[1,2,4-]	120-82-1	Aquatic (sediment)	SEDIMENT	EqP	9.6	mg/kg	0711	0001
Trichlorobenzene[1,2,4-]	120-82-1	Aquatic (water)	WATER	Tier II SCV	110	µg/L	0733	0001
Trichlorobenzene[1,2,4-]	120-82-1	Invertebrate	SOIL	LANL NOEC	12.7	mg/kg	0097	0276
Trichlorobenzene[1,2,4-]	120-82-1	Mammal	SEDIMENT	chronic NOAEL	1.48	mg/kg/d	0092	0476
Trichlorobenzene[1,2,4-]	120-82-1	Mammal	SOIL	chronic NOAEL	1.48	mg/kg/d	0092	0476
Trichlorobenzene[1,2,4-]	120-82-1	Mammal	WATER	chronic NOAEL	1.48	mg/kg/d	0092	0476
Trichloroethane[1,1,1-]	71-55-6	Aquatic (sediment)	SEDIMENT	EqP	0.17	mg/kg	0711	0001
Trichloroethane[1,1,1-]	71-55-6	Aquatic (water)	WATER	Tier II SCV	62.1	µg/L	0727	0001
Trichloroethane[1,1,1-]	71-55-6	Mammal	SEDIMENT	chronic NOAEL	1000	mg/kg/d	0344	0685
Trichloroethane[1,1,1-]	71-55-6	Mammal	SOIL	chronic NOAEL	1000	mg/kg/d	0344	0685
Trichloroethane[1,1,1-]	71-55-6	Mammal	WATER	chronic NOAEL	1000	mg/kg/d	0344	0685

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Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Trichloroethene	79-01-6	Aquatic (sediment)	SEDIMENT	EqP	1.6	mg/kg	0711	0001
Trichloroethene	79-01-6	Aquatic (water)	WATER	Tier II SCV	351	µg/L	0727	0001
Trichloroethene	79-01-6	Mammal	SEDIMENT	chronic NOAEL	0.7	mg/kg/d	0344	0206
Trichloroethene	79-01-6	Mammal	SOIL	chronic NOAEL	0.7	mg/kg/d	0344	0206
Trichloroethene	79-01-6	Mammal	WATER	chronic NOAEL	0.7	mg/kg/d	0344	0206
Trichlorophenol[2,4,5-]	95-95-4	Invertebrate	SOIL	LANL NOEC	4.6	mg/kg	0097	0275
Trichlorophenol[2,4,5-]	95-95-4	Plant	SOIL	ORNL benchmark	4	mg/kg	0094	0258
Trichlorophenol[2,4,6-]	88-06-2	Invertebrate	SOIL	LANL NOEC	5.8	mg/kg	0097	0276
Trinitrobenzene[1,3,5-]	99-35-4	Mammal	SEDIMENT	chronic NOAEL	13.44	mg/kg/d	0903	0854
Trinitrobenzene[1,3,5-]	99-35-4	Mammal	SOIL	chronic NOAEL	13.44	mg/kg/d	0903	0854
Trinitrobenzene[1,3,5-]	99-35-4	Mammal	WATER	chronic NOAEL	13.44	mg/kg/d	0903	0854
Trinitrotoluene[2,4,6-]	118-96-7	Invertebrate	SOIL	chronic NOEC	0.3	mg/kg	0715	0468
Trinitrotoluene[2,4,6-]	118-96-7	Mammal	SEDIMENT	chronic NOAEL	34.7	mg/kg/d	0715	0464
Trinitrotoluene[2,4,6-]	118-96-7	Mammal	SOIL	chronic NOAEL	34.7	mg/kg/d	0715	0464
Trinitrotoluene[2,4,6-]	118-96-7	Mammal	WATER	chronic NOAEL	34.7	mg/kg/d	0715	0464
Trinitrotoluene[2,4,6-]	118-96-7	Plant	SOIL	chronic NOEC	3	mg/kg	0715	0468
Uranium	U	Aquatic (water)	WATER	Tier II SCV	1.87	µg/L	0727	0001
Uranium	U	Bird	SEDIMENT	chronic NOAEL	8.3	mg/kg/d	0715	0207
Uranium	U	Bird	SOIL	chronic NOAEL	8.3	mg/kg/d	0715	0207
Uranium	U	Bird	WATER	chronic NOAEL	8.3	mg/kg/d	0715	0207
Uranium	U	Mammal	SEDIMENT	chronic NOAEL	6.1	mg/kg/d	0715	0205
Uranium	U	Mammal	SOIL	chronic NOAEL	6.1	mg/kg/d	0715	0205
Uranium	U	Mammal	WATER	chronic NOAEL	6.1	mg/kg/d	0715	0205
Uranium	U	Plant	SOIL	chronic NOEC	5	mg/kg	0715	0251
Vanadium	V	Aquatic (water)	WATER	Tier II SCV	19.1	µg/L	0727	0001
Vanadium	V	Bird	SEDIMENT	chronic NOAEL	1.1	mg/kg/d	0715	0209
Vanadium	V	Bird	SOIL	chronic NOAEL	1.1	mg/kg/d	0715	0209
Vanadium	V	Bird	WATER	chronic NOAEL	1.1	mg/kg/d	0715	0209
Vanadium	V	Mammal	SEDIMENT	chronic NOAEL	2.1	mg/kg/d	0715	0208
Vanadium	V	Mammal	SOIL	chronic NOAEL	2.1	mg/kg/d	0715	0208
Vanadium	V	Mammal	WATER	chronic NOAEL	2.1	mg/kg/d	0715	0208
Vanadium	V	Plant	SOIL	LANL NOEC	0.25	mg/kg	0095	0252
Vinyl Chloride	75-01-4	Mammal	SEDIMENT	chronic NOAEL	0.17	mg/kg/d	0344	0752

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Ecorisk Database Toxicity Reference Values (TRVs) (Version 1.2)

Analyte Name	Analyte Code	ESL Receptor Group	ESL Medium	TRV Type	TRV	TRV Units	TRV Derivation Reference Id	Primary Toxicity Study Reference Id
Vinyl Chloride	75-01-4	Mammal	SOIL	chronic NOAEL	0.17	mg/kg/d	0344	0752
Vinyl Chloride	75-01-4	Mammal	WATER	chronic NOAEL	0.17	mg/kg/d	0344	0752
Xylene (Total)	1330-20-7	Aquatic (sediment)	SEDIMENT	EqP	1.1	mg/kg	0711	0001
Xylene (Total)	1330-20-7	Aquatic (water)	WATER	Tier II SCV	86.2	µg/L	0727	0001
Xylene (Total)	1330-20-7	Bird	SEDIMENT	chronic NOAEL	0.777	mg/kg/d	0428	0707
Xylene (Total)	1330-20-7	Bird	SOIL	chronic NOAEL	0.777	mg/kg/d	0428	0707
Xylene (Total)	1330-20-7	Bird	WATER	chronic NOAEL	0.777	mg/kg/d	0428	0707
Xylene (Total)	1330-20-7	Mammal	SEDIMENT	chronic NOAEL	2.1	mg/kg/d	0344	0211
Xylene (Total)	1330-20-7	Mammal	SOIL	chronic NOAEL	2.1	mg/kg/d	0344	0211
Xylene (Total)	1330-20-7	Mammal	WATER	chronic NOAEL	2.1	mg/kg/d	0344	0211
Xylene (Total)	1330-20-7	Plant	SOIL	LANL NOEC	100	mg/kg	0575	0586
Zinc	ZN	Aquatic (sediment)	SEDIMENT	ERL	159	mg/kg	0747	0001
Zinc	ZN	Aquatic (water)	WATER	NAWQC CCC	66	µg/L	0730	0001
Zinc	ZN	Bird	SEDIMENT	chronic NOAEL	129	mg/kg/d	0903	0662
Zinc	ZN	Bird	SOIL	chronic NOAEL	129	mg/kg/d	0903	0662
Zinc	ZN	Bird	WATER	chronic NOAEL	129	mg/kg/d	0903	0662
Zinc	ZN	Invertebrate	SOIL	chronic NOEC	350	mg/kg	0903	0302
Zinc	ZN	Mammal	SEDIMENT	chronic NOAEL	160	mg/kg/d	0344	0028
Zinc	ZN	Mammal	SOIL	chronic NOAEL	160	mg/kg/d	0344	0028
Zinc	ZN	Mammal	WATER	chronic NOAEL	160	mg/kg/d	0344	0028
Zinc	ZN	Plant	SOIL	LANL NOEC	10	mg/kg	0095	0122
Zirconium	ZR	Mammal	SEDIMENT	chronic NOAEL	1.7	mg/kg/d	0344	0007
Zirconium	ZR	Mammal	SOIL	chronic NOAEL	1.7	mg/kg/d	0344	0007
Zirconium	ZR	Mammal	WATER	chronic NOAEL	1.7	mg/kg/d	0344	0007

Supplemental Table L.5
Ecorisk Database Ecological Screening Levels (ESLs) (Version 1.2)

Analyte Group	Analyte Name	Analyte Code	ESL Receptor Group	ESL Receptor	ESL Medium	ESL	ESL Units
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Aquatic	Aquatic community organisms - sediment	SEDIMENT	8.70E-06	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Aquatic	Aquatic community organisms - water	WATER	2.80E-06	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American kestrel (Avian intermediate carnivore)	SOIL	2.90E-05	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American kestrel (Avian top carnivore)	SOIL	2.10E-05	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American kestrel (water)	WATER	1.10E-01	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American robin (Avian herbivore)	SOIL	2.70E-04	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American robin (Avian insectivore)	SOIL	1.40E-05	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American robin (Avian omnivore)	SOIL	2.70E-05	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	American robin (water)	WATER	1.00E-01	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.90E-05	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Bird	Violet-green Swallow (water)	WATER	5.70E-02	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	5.00E+00	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.60E-06	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Deer mouse (water)	WATER	5.20E-02	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.50E-04	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Desert cottontail (water)	WATER	1.00E-02	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.30E-06	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Occult little brown myotis bat (water)	WATER	6.20E-02	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.30E-06	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Red fox (water)	WATER	1.10E-02	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.80E-06	mg/kg
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Mammal	Vagrant shrew (water)	WATER	4.40E-02	µg/L
D/F	Tetrachlorodibenzodioxin[2,3,7,8-]	1746-01-6	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Aquatic	Aquatic community organisms - water	WATER		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American kestrel (water)	WATER		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American robin (Avian herbivore)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American robin (Avian insectivore)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American robin (Avian omnivore)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	American robin (water)	WATER		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Bird	Violet-green Swallow (water)	WATER		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.10E+00	mg/kg
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Deer mouse (water)	WATER	1.00E+04	µg/L
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	6.90E+00	mg/kg
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Desert cottontail (water)	WATER	1.90E+04	µg/L
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	7.50E+00	mg/kg
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Occult little brown myotis bat (water)	WATER	1.10E+04	µg/L
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.40E+02	mg/kg
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Red fox (water)	WATER	2.20E+04	µg/L
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.60E+00	mg/kg
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Mammal	Vagrant shrew (water)	WATER	8.50E+03	µg/L
HE	Amino-2,6-dinitrotoluene[4-]	19406-51-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	8.00E+01	mg/kg
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Aquatic	Aquatic community organisms - water	WATER		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American kestrel (water)	WATER		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American robin (Avian herbivore)	SOIL		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American robin (Avian insectivore)	SOIL		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American robin (Avian omnivore)	SOIL		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	American robin (water)	WATER		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Bird	Violet-green Swallow (water)	WATER		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.10E+00	mg/kg
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Deer mouse (water)	WATER	1.40E+04	µg/L
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.00E+01	mg/kg
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Desert cottontail (water)	WATER	2.80E+04	µg/L
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.10E+01	mg/kg
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Occult little brown myotis bat (water)	WATER	1.70E+04	µg/L
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.00E+02	mg/kg
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Red fox (water)	WATER	3.20E+04	µg/L
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	8.30E+00	mg/kg
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Mammal	Vagrant shrew (water)	WATER	1.20E+04	µg/L
HE	Amino-4,6-dinitrotoluene[2-]	35572-78-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	8.00E+01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Dinitrobenzene[1,3-]	99-65-0	Aquatic	Aquatic community organisms - water	WATER	2.60E+01	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL	5.40E-02	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American kestrel (Avian top carnivore)	SOIL	2.10E-01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American kestrel (water)	WATER	3.50E+00	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American robin (Avian herbivore)	SOIL	2.20E-04	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American robin (Avian insectivore)	SOIL	7.40E-04	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American robin (Avian omnivore)	SOIL	3.40E-04	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	American robin (water)	WATER	3.00E+00	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.00E-02	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Bird	Violet-green Swallow (water)	WATER	1.70E+00	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.60E-01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Deer mouse (water)	WATER	5.90E+02	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.20E-01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Desert cottontail (water)	WATER	1.10E+03	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.70E-01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Occult little brown myotis bat (water)	WATER	7.10E+02	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	8.30E+00	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Red fox (water)	WATER	1.30E+03	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.50E-01	mg/kg
HE	Dinitrobenzene[1,3-]	99-65-0	Mammal	Vagrant shrew (water)	WATER	5.00E+02	µg/L
HE	Dinitrobenzene[1,3-]	99-65-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.90E-01	mg/kg
HE	Dinitrotoluene[2,4-]	121-14-2	Aquatic	Aquatic community organisms - water	WATER	3.10E+02	µg/L
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American kestrel (water)	WATER		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American robin (Avian herbivore)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American robin (Avian insectivore)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American robin (Avian omnivore)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	American robin (water)	WATER		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Dinitrotoluene[2,4-]	121-14-2	Bird	Violet-green Swallow (water)	WATER		
HE	Dinitrotoluene[2,4-]	121-14-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.20E+00	mg/kg
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Deer mouse (water)	WATER	2.80E+03	µg/L
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.10E+00	mg/kg
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Desert cottontail (water)	WATER	5.50E+03	µg/L
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.10E+00	mg/kg
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Occult little brown myotis bat (water)	WATER	3.30E+03	µg/L
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.90E+02	mg/kg
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Red fox (water)	WATER	6.20E+03	µg/L
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E+00	mg/kg
HE	Dinitrotoluene[2,4-]	121-14-2	Mammal	Vagrant shrew (water)	WATER	2.40E+03	µg/L
HE	Dinitrotoluene[2,4-]	121-14-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Dinitrotoluene[2,6-]	606-20-2	Aquatic	Aquatic community organisms - water	WATER	6.00E+01	µg/L
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American kestrel (water)	WATER		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American robin (Avian herbivore)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American robin (Avian insectivore)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American robin (Avian omnivore)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	American robin (water)	WATER		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Dinitrotoluene[2,6-]	606-20-2	Bird	Violet-green Swallow (water)	WATER		
HE	Dinitrotoluene[2,6-]	606-20-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	7.40E-01	mg/kg
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Deer mouse (water)	WATER	1.80E+03	µg/L
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.10E+00	mg/kg
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Desert cottontail (water)	WATER	3.70E+03	µg/L
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.40E+00	mg/kg
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Occult little brown myotis bat (water)	WATER	2.20E+03	µg/L
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.60E+02	mg/kg
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Red fox (water)	WATER	4.10E+03	µg/L
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.00E+00	mg/kg
HE	Dinitrotoluene[2,6-]	606-20-2	Mammal	Vagrant shrew (water)	WATER	1.60E+03	µg/L
HE	Dinitrotoluene[2,6-]	606-20-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	HMX	2691-41-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	HMX	2691-41-0	Aquatic	Aquatic community organisms - water	WATER		
HE	HMX	2691-41-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	HMX	2691-41-0	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	HMX	2691-41-0	Bird	American kestrel (water)	WATER		
HE	HMX	2691-41-0	Bird	American robin (Avian herbivore)	SOIL		
HE	HMX	2691-41-0	Bird	American robin (Avian insectivore)	SOIL		
HE	HMX	2691-41-0	Bird	American robin (Avian omnivore)	SOIL		
HE	HMX	2691-41-0	Bird	American robin (water)	WATER		
HE	HMX	2691-41-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	HMX	2691-41-0	Bird	Violet-green Swallow (water)	WATER		
HE	HMX	2691-41-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	5.00E+02	mg/kg
HE	HMX	2691-41-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.60E+03	mg/kg
HE	HMX	2691-41-0	Mammal	Deer mouse (water)	WATER	3.90E+05	µg/L
HE	HMX	2691-41-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.90E+03	mg/kg
HE	HMX	2691-41-0	Mammal	Desert cottontail (water)	WATER	7.70E+05	µg/L
HE	HMX	2691-41-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.50E+03	mg/kg
HE	HMX	2691-41-0	Mammal	Occult little brown myotis bat (water)	WATER	4.70E+05	µg/L
HE	HMX	2691-41-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.50E+04	mg/kg
HE	HMX	2691-41-0	Mammal	Red fox (water)	WATER	8.70E+05	µg/L
HE	HMX	2691-41-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.60E+03	mg/kg
HE	HMX	2691-41-0	Mammal	Vagrant shrew (water)	WATER	3.30E+05	µg/L
HE	HMX	2691-41-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Nitroglycerine	55-63-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Nitroglycerine	55-63-0	Aquatic	Aquatic community organisms - water	WATER		
HE	Nitroglycerine	55-63-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Nitroglycerine	55-63-0	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Nitroglycerine	55-63-0	Bird	American kestrel (water)	WATER		
HE	Nitroglycerine	55-63-0	Bird	American robin (Avian herbivore)	SOIL		
HE	Nitroglycerine	55-63-0	Bird	American robin (Avian insectivore)	SOIL		
HE	Nitroglycerine	55-63-0	Bird	American robin (Avian omnivore)	SOIL		
HE	Nitroglycerine	55-63-0	Bird	American robin (water)	WATER		
HE	Nitroglycerine	55-63-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Nitroglycerine	55-63-0	Bird	Violet-green Swallow (water)	WATER		
HE	Nitroglycerine	55-63-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Nitroglycerine	55-63-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E+03	mg/kg
HE	Nitroglycerine	55-63-0	Mammal	Deer mouse (water)	WATER	5.00E+05	µg/L
HE	Nitroglycerine	55-63-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.20E+03	mg/kg
HE	Nitroglycerine	55-63-0	Mammal	Desert cottontail (water)	WATER	9.90E+05	µg/L
HE	Nitroglycerine	55-63-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.90E+03	mg/kg
HE	Nitroglycerine	55-63-0	Mammal	Occult little brown myotis bat (water)	WATER	6.00E+05	µg/L
HE	Nitroglycerine	55-63-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.10E+04	mg/kg
HE	Nitroglycerine	55-63-0	Mammal	Red fox (water)	WATER	1.10E+06	µg/L
HE	Nitroglycerine	55-63-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.90E+03	mg/kg
HE	Nitroglycerine	55-63-0	Mammal	Vagrant shrew (water)	WATER	4.30E+05	µg/L
HE	Nitroglycerine	55-63-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Nitrotoluene[2-]	88-72-2	Aquatic	Aquatic community organisms - water	WATER		
HE	Nitrotoluene[2-]	88-72-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Bird	American kestrel (water)	WATER		
HE	Nitrotoluene[2-]	88-72-2	Bird	American robin (Avian herbivore)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Bird	American robin (Avian insectivore)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Bird	American robin (Avian omnivore)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Bird	American robin (water)	WATER		
HE	Nitrotoluene[2-]	88-72-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Nitrotoluene[2-]	88-72-2	Bird	Violet-green Swallow (water)	WATER		
HE	Nitrotoluene[2-]	88-72-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Nitrotoluene[2-]	88-72-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	5.10E+00	mg/kg
HE	Nitrotoluene[2-]	88-72-2	Mammal	Deer mouse (water)	WATER	9.40E+03	µg/L
HE	Nitrotoluene[2-]	88-72-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.00E+01	mg/kg
HE	Nitrotoluene[2-]	88-72-2	Mammal	Desert cottontail (water)	WATER	1.80E+04	µg/L
HE	Nitrotoluene[2-]	88-72-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	6.80E+00	mg/kg
HE	Nitrotoluene[2-]	88-72-2	Mammal	Occult little brown myotis bat (water)	WATER	1.10E+04	µg/L
HE	Nitrotoluene[2-]	88-72-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.30E+02	mg/kg
HE	Nitrotoluene[2-]	88-72-2	Mammal	Red fox (water)	WATER	2.00E+04	µg/L
HE	Nitrotoluene[2-]	88-72-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.10E+00	mg/kg
HE	Nitrotoluene[2-]	88-72-2	Mammal	Vagrant shrew (water)	WATER	8.00E+03	µg/L
HE	Nitrotoluene[2-]	88-72-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Nitrotoluene[3-]	99-08-1	Aquatic	Aquatic community organisms - water	WATER		
HE	Nitrotoluene[3-]	99-08-1	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Bird	American kestrel (water)	WATER		
HE	Nitrotoluene[3-]	99-08-1	Bird	American robin (Avian herbivore)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Bird	American robin (Avian insectivore)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Bird	American robin (Avian omnivore)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Bird	American robin (water)	WATER		
HE	Nitrotoluene[3-]	99-08-1	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Nitrotoluene[3-]	99-08-1	Bird	Violet-green Swallow (water)	WATER		
HE	Nitrotoluene[3-]	99-08-1	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Nitrotoluene[3-]	99-08-1	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.80E+00	mg/kg
HE	Nitrotoluene[3-]	99-08-1	Mammal	Deer mouse (water)	WATER	1.10E+04	µg/L
HE	Nitrotoluene[3-]	99-08-1	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.50E+01	mg/kg
HE	Nitrotoluene[3-]	99-08-1	Mammal	Desert cottontail (water)	WATER	2.20E+04	µg/L
HE	Nitrotoluene[3-]	99-08-1	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	8.10E+00	mg/kg
HE	Nitrotoluene[3-]	99-08-1	Mammal	Occult little brown myotis bat (water)	WATER	1.30E+04	µg/L
HE	Nitrotoluene[3-]	99-08-1	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.60E+02	mg/kg
HE	Nitrotoluene[3-]	99-08-1	Mammal	Red fox (water)	WATER	2.50E+04	µg/L
HE	Nitrotoluene[3-]	99-08-1	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	6.20E+00	mg/kg
HE	Nitrotoluene[3-]	99-08-1	Mammal	Vagrant shrew (water)	WATER	9.80E+03	µg/L
HE	Nitrotoluene[3-]	99-08-1	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Nitrotoluene[4-]	99-99-0	Aquatic	Aquatic community organisms - water	WATER		
HE	Nitrotoluene[4-]	99-99-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Bird	American kestrel (water)	WATER		
HE	Nitrotoluene[4-]	99-99-0	Bird	American robin (Avian herbivore)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Bird	American robin (Avian insectivore)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Bird	American robin (Avian omnivore)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Bird	American robin (water)	WATER		
HE	Nitrotoluene[4-]	99-99-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Nitrotoluene[4-]	99-99-0	Bird	Violet-green Swallow (water)	WATER		
HE	Nitrotoluene[4-]	99-99-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Nitrotoluene[4-]	99-99-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.10E+01	mg/kg
HE	Nitrotoluene[4-]	99-99-0	Mammal	Deer mouse (water)	WATER	2.10E+04	µg/L
HE	Nitrotoluene[4-]	99-99-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.50E+01	mg/kg
HE	Nitrotoluene[4-]	99-99-0	Mammal	Desert cottontail (water)	WATER	4.10E+04	µg/L
HE	Nitrotoluene[4-]	99-99-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.50E+01	mg/kg
HE	Nitrotoluene[4-]	99-99-0	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+04	µg/L
HE	Nitrotoluene[4-]	99-99-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.90E+02	mg/kg
HE	Nitrotoluene[4-]	99-99-0	Mammal	Red fox (water)	WATER	4.60E+04	µg/L
HE	Nitrotoluene[4-]	99-99-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.10E+01	mg/kg
HE	Nitrotoluene[4-]	99-99-0	Mammal	Vagrant shrew (water)	WATER	1.70E+04	µg/L
HE	Nitrotoluene[4-]	99-99-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	PETN	78-11-5	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	PETN	78-11-5	Aquatic	Aquatic community organisms - water	WATER		
HE	PETN	78-11-5	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	PETN	78-11-5	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	PETN	78-11-5	Bird	American kestrel (water)	WATER		
HE	PETN	78-11-5	Bird	American robin (Avian herbivore)	SOIL		
HE	PETN	78-11-5	Bird	American robin (Avian insectivore)	SOIL		
HE	PETN	78-11-5	Bird	American robin (Avian omnivore)	SOIL		
HE	PETN	78-11-5	Bird	American robin (water)	WATER		
HE	PETN	78-11-5	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	PETN	78-11-5	Bird	Violet-green Swallow (water)	WATER		
HE	PETN	78-11-5	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	PETN	78-11-5	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.60E+04	mg/kg
HE	PETN	78-11-5	Mammal	Deer mouse (water)	WATER	3.10E+07	µg/L
HE	PETN	78-11-5	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.10E+05	mg/kg
HE	PETN	78-11-5	Mammal	Desert cottontail (water)	WATER	6.00E+07	µg/L
HE	PETN	78-11-5	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.90E+04	mg/kg
HE	PETN	78-11-5	Mammal	Occult little brown myotis bat (water)	WATER	3.70E+07	µg/L
HE	PETN	78-11-5	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.60E+06	mg/kg
HE	PETN	78-11-5	Mammal	Red fox (water)	WATER	6.80E+07	µg/L
HE	PETN	78-11-5	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.40E+04	mg/kg
HE	PETN	78-11-5	Mammal	Vagrant shrew (water)	WATER	2.60E+07	µg/L
HE	PETN	78-11-5	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	RDX	121-82-4	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	RDX	121-82-4	Aquatic	Aquatic community organisms - water	WATER		
HE	RDX	121-82-4	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	RDX	121-82-4	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	RDX	121-82-4	Bird	American kestrel (water)	WATER		
HE	RDX	121-82-4	Bird	American robin (Avian herbivore)	SOIL		
HE	RDX	121-82-4	Bird	American robin (Avian insectivore)	SOIL		
HE	RDX	121-82-4	Bird	American robin (Avian omnivore)	SOIL		
HE	RDX	121-82-4	Bird	American robin (water)	WATER		
HE	RDX	121-82-4	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	RDX	121-82-4	Bird	Violet-green Swallow (water)	WATER		
HE	RDX	121-82-4	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	5.00E+02	mg/kg
HE	RDX	121-82-4	Mammal	Deer mouse (Mammalian omnivore)	SOIL	7.30E+00	mg/kg
HE	RDX	121-82-4	Mammal	Deer mouse (water)	WATER	5.20E+04	µg/L
HE	RDX	121-82-4	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.80E+00	mg/kg
HE	RDX	121-82-4	Mammal	Desert cottontail (water)	WATER	1.00E+05	µg/L
HE	RDX	121-82-4	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.40E+01	mg/kg
HE	RDX	121-82-4	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+04	µg/L
HE	RDX	121-82-4	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.30E+02	mg/kg
HE	RDX	121-82-4	Mammal	Red fox (water)	WATER	1.10E+05	µg/L
HE	RDX	121-82-4	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.30E+01	mg/kg
HE	RDX	121-82-4	Mammal	Vagrant shrew (water)	WATER	4.40E+04	µg/L
HE	RDX	121-82-4	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+02	mg/kg
HE	Tetryl	479-45-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Tetryl	479-45-8	Aquatic	Aquatic community organisms - water	WATER		
HE	Tetryl	479-45-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Tetryl	479-45-8	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Tetryl	479-45-8	Bird	American kestrel (water)	WATER		
HE	Tetryl	479-45-8	Bird	American robin (Avian herbivore)	SOIL		
HE	Tetryl	479-45-8	Bird	American robin (Avian insectivore)	SOIL		
HE	Tetryl	479-45-8	Bird	American robin (Avian omnivore)	SOIL		
HE	Tetryl	479-45-8	Bird	American robin (water)	WATER		
HE	Tetryl	479-45-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Tetryl	479-45-8	Bird	Violet-green Swallow (water)	WATER		
HE	Tetryl	479-45-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Tetryl	479-45-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.20E+00	mg/kg
HE	Tetryl	479-45-8	Mammal	Deer mouse (water)	WATER	6.80E+03	µg/L
HE	Tetryl	479-45-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.20E+00	mg/kg
HE	Tetryl	479-45-8	Mammal	Desert cottontail (water)	WATER	1.30E+04	µg/L
HE	Tetryl	479-45-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.30E+00	mg/kg
HE	Tetryl	479-45-8	Mammal	Occult little brown myotis bat (water)	WATER	8.10E+03	µg/L
HE	Tetryl	479-45-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	9.50E+02	mg/kg
HE	Tetryl	479-45-8	Mammal	Red fox (water)	WATER	1.50E+04	µg/L
HE	Tetryl	479-45-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	4.00E+00	mg/kg

Supplemental Table L.5
Ecorisk Database Ecological Screening Levels (ESLs) (Version 1.2)

Analyte Group	Analyte Name	Analyte Code	ESL Receptor Group	ESL Receptor	ESL Medium	ESL	ESL Units
HE	Tetryl	479-45-8	Mammal	Vagrant shrew (water)	WATER	5.80E+02	µg/L
HE	Tetryl	479-45-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.50E-01	mg/kg
HE	Trinitrobenzene[1,3,5-]	99-35-4	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Aquatic	Aquatic community organisms - water	WATER		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American kestrel (water)	WATER		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American robin (Avian herbivore)	SOIL		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American robin (Avian insectivore)	SOIL		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American robin (Avian omnivore)	SOIL		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	American robin (water)	WATER		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Bird	Violet-green Swallow (water)	WATER		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.40E+01	mg/kg
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Deer mouse (water)	WATER	7.00E+04	µg/L
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.70E+01	mg/kg
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Desert cottontail (water)	WATER	1.30E+04	µg/L
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.70E+01	mg/kg
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Occult little brown myotis bat (water)	WATER	8.40E+04	µg/L
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Red fox (Mammalian top carnivore)	SOIL	9.90E+01	mg/kg
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Red fox (water)	WATER	1.50E+05	µg/L
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	4.30E+00	mg/kg
HE	Trinitrobenzene[1,3,5-]	99-35-4	Mammal	Vagrant shrew (water)	WATER	6.00E+04	µg/L
HE	Trinitrobenzene[1,3,5-]	99-35-4	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Aquatic	Aquatic community organisms - water	WATER		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American kestrel (Avian top carnivore)	SOIL		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American kestrel (water)	WATER		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American robin (Avian herbivore)	SOIL		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American robin (Avian insectivore)	SOIL		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American robin (Avian omnivore)	SOIL		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	American robin (water)	WATER		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Bird	Violet-green Swallow (water)	WATER		
HE	Trinitrotoluene[2,4,6-]	118-96-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	3.00E+01	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	5.60E+01	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Deer mouse (water)	WATER	1.80E+04	µg/L
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.00E+01	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Desert cottontail (water)	WATER	3.50E+04	µg/L
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.40E+02	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Occult little brown myotis bat (water)	WATER	2.10E+04	µg/L
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.50E+04	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Red fox (water)	WATER	4.00E+04	µg/L
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.00E+01	mg/kg
HE	Trinitrotoluene[2,4,6-]	118-96-7	Mammal	Vagrant shrew (water)	WATER	1.50E+04	µg/L
HE	Trinitrotoluene[2,4,6-]	118-96-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+00	mg/kg
INORG	Aluminum	AL	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.80E+04	mg/kg
INORG	Aluminum	AL	Aquatic	Aquatic community organisms - water	WATER	8.70E+01	µg/L
INORG	Aluminum	AL	Bird	American kestrel (Avian intermediate carnivore)	SOIL	2.10E+04	mg/kg
INORG	Aluminum	AL	Bird	American kestrel (Avian top carnivore)	SOIL	5.10E+04	mg/kg
INORG	Aluminum	AL	Bird	American kestrel (water)	WATER	6.10E+05	µg/L
INORG	Aluminum	AL	Bird	American robin (Avian herbivore)	SOIL	3.00E+02	mg/kg
INORG	Aluminum	AL	Bird	American robin (Avian insectivore)	SOIL	1.80E+02	mg/kg
INORG	Aluminum	AL	Bird	American robin (Avian omnivore)	SOIL	1.20E+02	mg/kg
INORG	Aluminum	AL	Bird	American robin (water)	WATER	7.80E+04	µg/L
INORG	Aluminum	AL	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	3.10E+02	mg/kg
INORG	Aluminum	AL	Bird	Violet-green Swallow (water)	WATER	4.50E+05	µg/L
INORG	Aluminum	AL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Aluminum	AL	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.80E+02	mg/kg
INORG	Aluminum	AL	Mammal	Deer mouse (water)	WATER	1.00E+04	µg/L
INORG	Aluminum	AL	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.40E+02	mg/kg
INORG	Aluminum	AL	Mammal	Desert cottontail (water)	WATER	1.90E+04	µg/L
INORG	Aluminum	AL	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.20E+02	mg/kg
INORG	Aluminum	AL	Mammal	Occult little brown myotis bat (water)	WATER	1.20E+04	µg/L
INORG	Aluminum	AL	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.30E+03	mg/kg
INORG	Aluminum	AL	Mammal	Red fox (water)	WATER	2.20E+04	µg/L
INORG	Aluminum	AL	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	8.80E+00	mg/kg
INORG	Aluminum	AL	Mammal	Vagrant shrew (water)	WATER	8.60E+03	µg/L
INORG	Aluminum	AL	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.00E+00	mg/kg
INORG	Antimony	SB	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.00E+00	mg/kg
INORG	Antimony	SB	Aquatic	Aquatic community organisms - water	WATER	1.00E+02	µg/L
INORG	Antimony	SB	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
INORG	Antimony	SB	Bird	American kestrel (Avian top carnivore)	SOIL		
INORG	Antimony	SB	Bird	American kestrel (water)	WATER		
INORG	Antimony	SB	Bird	American robin (Avian herbivore)	SOIL		
INORG	Antimony	SB	Bird	American robin (Avian insectivore)	SOIL		
INORG	Antimony	SB	Bird	American robin (Avian omnivore)	SOIL		
INORG	Antimony	SB	Bird	American robin (water)	WATER		
INORG	Antimony	SB	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
INORG	Antimony	SB	Bird	Violet-green Swallow (water)	WATER		
INORG	Antimony	SB	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Antimony	SB	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.00E+00	mg/kg
INORG	Antimony	SB	Mammal	Deer mouse (water)	WATER	6.80E+02	µg/L
INORG	Antimony	SB	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	6.20E+00	mg/kg
INORG	Antimony	SB	Mammal	Desert cottontail (water)	WATER	1.30E+03	µg/L
INORG	Antimony	SB	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	8.10E-01	mg/kg
INORG	Antimony	SB	Mammal	Occult little brown myotis bat (water)	WATER	8.10E+02	µg/L
INORG	Antimony	SB	Mammal	Red fox (Mammalian top carnivore)	SOIL	9.30E+00	mg/kg
INORG	Antimony	SB	Mammal	Red fox (water)	WATER	1.50E+03	µg/L
INORG	Antimony	SB	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.90E-01	mg/kg
INORG	Antimony	SB	Mammal	Vagrant shrew (water)	WATER	5.80E+02	µg/L
INORG	Antimony	SB	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.00E-01	mg/kg
INORG	Arsenic	AS	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.20E+01	mg/kg
INORG	Arsenic	AS	Aquatic	Aquatic community organisms - water	WATER	1.50E+02	µg/L
INORG	Arsenic	AS	Bird	American kestrel (Avian intermediate carnivore)	SOIL	9.80E+01	mg/kg
INORG	Arsenic	AS	Bird	American kestrel (Avian top carnivore)	SOIL	2.30E+02	mg/kg
INORG	Arsenic	AS	Bird	American kestrel (water)	WATER	4.20E+04	µg/L
INORG	Arsenic	AS	Bird	American robin (Avian herbivore)	SOIL	1.00E+02	mg/kg
INORG	Arsenic	AS	Bird	American robin (Avian insectivore)	SOIL	1.30E+01	mg/kg
INORG	Arsenic	AS	Bird	American robin (Avian omnivore)	SOIL	2.30E+01	mg/kg
INORG	Arsenic	AS	Bird	American robin (water)	WATER	3.60E+04	µg/L
INORG	Arsenic	AS	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.90E+01	mg/kg
INORG	Arsenic	AS	Bird	Violet-green Swallow (water)	WATER	2.10E+04	µg/L
INORG	Arsenic	AS	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	6.80E+00	mg/kg
INORG	Arsenic	AS	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.20E+00	mg/kg
INORG	Arsenic	AS	Mammal	Deer mouse (water)	WATER	6.80E+02	µg/L
INORG	Arsenic	AS	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.10E+01	mg/kg
INORG	Arsenic	AS	Mammal	Desert cottontail (water)	WATER	1.30E+03	µg/L
INORG	Arsenic	AS	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	8.10E-01	mg/kg
INORG	Arsenic	AS	Mammal	Occult little brown myotis bat (water)	WATER	8.10E+02	µg/L
INORG	Arsenic	AS	Mammal	Red fox (Mammalian top carnivore)	SOIL	9.00E+01	mg/kg
INORG	Arsenic	AS	Mammal	Red fox (water)	WATER	1.50E+03	µg/L
INORG	Arsenic	AS	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.90E-01	mg/kg
INORG	Arsenic	AS	Mammal	Vagrant shrew (water)	WATER	5.80E+02	µg/L
INORG	Arsenic	AS	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+01	mg/kg
INORG	Barium	BA	Aquatic	Aquatic community organisms - sediment	SEDIMENT	4.80E+01	mg/kg
INORG	Barium	BA	Aquatic	Aquatic community organisms - water	WATER	3.80E+00	µg/L
INORG	Barium	BA	Bird	American kestrel (Avian intermediate carnivore)	SOIL	2.40E+02	mg/kg
INORG	Barium	BA	Bird	American kestrel (Avian top carnivore)	SOIL	6.30E+02	mg/kg
INORG	Barium	BA	Bird	American kestrel (water)	WATER	1.00E+05	µg/L
INORG	Barium	BA	Bird	American robin (Avian herbivore)	SOIL	1.40E+02	mg/kg
INORG	Barium	BA	Bird	American robin (Avian insectivore)	SOIL	3.20E+02	mg/kg
INORG	Barium	BA	Bird	American robin (Avian omnivore)	SOIL	5.30E+01	mg/kg
INORG	Barium	BA	Bird	American robin (water)	WATER	9.00E+04	µg/L
INORG	Barium	BA	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	4.70E+02	mg/kg
INORG	Barium	BA	Bird	Violet-green Swallow (water)	WATER	5.20E+04	µg/L
INORG	Barium	BA	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Barium	BA	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.60E+00	mg/kg
INORG	Barium	BA	Mammal	Deer mouse (water)	WATER	2.80E+03	µg/L
INORG	Barium	BA	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.30E+01	mg/kg
INORG	Barium	BA	Mammal	Desert cottontail (water)	WATER	5.60E+03	µg/L
INORG	Barium	BA	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.40E+00	mg/kg
INORG	Barium	BA	Mammal	Occult little brown myotis bat (water)	WATER	3.40E+02	µg/L
INORG	Barium	BA	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.00E+02	mg/kg
INORG	Barium	BA	Mammal	Red fox (water)	WATER	6.30E+03	µg/L
INORG	Barium	BA	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.50E+00	mg/kg
INORG	Barium	BA	Mammal	Vagrant shrew (water)	WATER	2.40E+02	µg/L
INORG	Barium	BA	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+02	mg/kg
INORG	Beryllium	BE	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Beryllium	BE	Aquatic	Aquatic community organisms - water	WATER	5.30E+00	µg/L
INORG	Beryllium	BE	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
INORG	Beryllium	BE	Bird	American kestrel (Avian top carnivore)	SOIL		
INORG	Beryllium	BE	Bird	American kestrel (water)	WATER		
INORG	Beryllium	BE	Bird	American robin (Avian herbivore)	SOIL		
INORG	Beryllium	BE	Bird	American robin (Avian insectivore)	SOIL		
INORG	Beryllium	BE	Bird	American robin (Avian omnivore)	SOIL		
INORG	Beryllium	BE	Bird	American robin (water)	WATER		
INORG	Beryllium	BE	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
INORG	Beryllium	BE	Bird	Violet-green Swallow (water)	WATER		
INORG	Beryllium	BE	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Beryllium	BE	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.20E+00	mg/kg
INORG	Beryllium	BE	Mammal	Deer mouse (water)	WATER	3.40E+02	µg/L
INORG	Beryllium	BE	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.00E+01	mg/kg
INORG	Beryllium	BE	Mammal	Desert cottontail (water)	WATER	6.80E+02	µg/L
INORG	Beryllium	BE	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.10E+00	mg/kg
INORG	Beryllium	BE	Mammal	Occult little brown myotis bat (water)	WATER	4.10E+02	µg/L
INORG	Beryllium	BE	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.70E+02	mg/kg
INORG	Beryllium	BE	Mammal	Red fox (water)	WATER	7.60E+02	µg/L
INORG	Beryllium	BE	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.00E+00	mg/kg
INORG	Beryllium	BE	Mammal	Vagrant shrew (water)	WATER	2.90E+02	µg/L
INORG	Beryllium	BE	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+00	mg/kg
INORG	Boron	B	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Boron	B	Aquatic	Aquatic community organisms - water	WATER	5.40E+02	µg/L
INORG	Boron	B	Bird	American kestrel (Avian intermediate carnivore)	SOIL	8.90E+02	mg/kg
INORG	Boron	B	Bird	American kestrel (Avian top carnivore)	SOIL	2.20E+04	mg/kg
INORG	Boron	B	Bird	American kestrel (water)	WATER	3.80E+05	µg/L
INORG	Boron	B	Bird	American robin (Avian herbivore)	SOIL	1.20E+01	mg/kg
INORG	Boron	B	Bird	American robin (Avian insectivore)	SOIL	1.20E+02	mg/kg
INORG	Boron	B	Bird	American robin (Avian omnivore)	SOIL	2.10E+01	mg/kg
INORG	Boron	B	Bird	American robin (water)	WATER	3.30E+05	µg/L
INORG	Boron	B	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.70E+02	mg/kg
INORG	Boron	B	Bird	Violet-green Swallow (water)	WATER	1.90E+05	µg/L
INORG	Boron	B	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Boron	B	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.60E+02	mg/kg
INORG	Boron	B	Mammal	Deer mouse (water)	WATER	1.40E+05	µg/L
INORG	Boron	B	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.80E+01	mg/kg
INORG	Boron	B	Mammal	Desert cottontail (water)	WATER	2.80E+05	µg/L
INORG	Boron	B	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.70E+02	mg/kg
INORG	Boron	B	Mammal	Occult little brown myotis bat (water)	WATER	1.70E+05	µg/L
INORG	Boron	B	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.00E+04	mg/kg
INORG	Boron	B	Mammal	Red fox (water)	WATER	3.20E+05	µg/L
INORG	Boron	B	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+02	mg/kg
INORG	Boron	B	Mammal	Vagrant shrew (water)	WATER	1.20E+05	µg/L
INORG	Boron	B	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.70E+00	mg/kg
INORG	Cadmium	CD	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.90E-01	mg/kg
INORG	Cadmium	CD	Aquatic	Aquatic community organisms - water	WATER	1.30E+00	µg/L
INORG	Cadmium	CD	Bird	American kestrel (Avian intermediate carnivore)	SOIL	4.50E+01	mg/kg
INORG	Cadmium	CD	Bird	American kestrel (Avian top carnivore)	SOIL	7.20E+02	mg/kg
INORG	Cadmium	CD	Bird	American kestrel (water)	WATER	1.20E+04	µg/L
INORG	Cadmium	CD	Bird	American robin (Avian herbivore)	SOIL	6.30E+00	mg/kg
INORG	Cadmium	CD	Bird	American robin (Avian insectivore)	SOIL	5.90E+00	mg/kg
INORG	Cadmium	CD	Bird	American robin (Avian omnivore)	SOIL	6.10E+00	mg/kg
INORG	Cadmium	CD	Bird	American robin (water)	WATER	1.00E+04	µg/L
INORG	Cadmium	CD	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	9.00E+00	mg/kg
INORG	Cadmium	CD	Bird	Violet-green Swallow (water)	WATER	5.90E+03	µg/L
INORG	Cadmium	CD	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.00E+01	mg/kg
INORG	Cadmium	CD	Mammal	Deer mouse (Mammalian omnivore)	SOIL	8.40E+00	mg/kg
INORG	Cadmium	CD	Mammal	Deer mouse (water)	WATER	5.20E+03	µg/L
INORG	Cadmium	CD	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.80E+01	mg/kg
INORG	Cadmium	CD	Mammal	Desert cottontail (water)	WATER	1.00E+04	µg/L
INORG	Cadmium	CD	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.00E+01	mg/kg
INORG	Cadmium	CD	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+03	µg/L
INORG	Cadmium	CD	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.30E+02	mg/kg
INORG	Cadmium	CD	Mammal	Red fox (water)	WATER	1.10E+04	µg/L
INORG	Cadmium	CD	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.20E+00	mg/kg
INORG	Cadmium	CD	Mammal	Vagrant shrew (water)	WATER	4.40E+03	µg/L
INORG	Cadmium	CD	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+00	mg/kg
INORG	Chloride	CL(-1)	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Chloride	CL(-1)	Aquatic	Aquatic community organisms - water	WATER	2.30E+05	µg/L
INORG	Chloride	CL(-1)	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
INORG	Chloride	CL(-1)	Bird	American kestrel (Avian top carnivore)	SOIL		
INORG	Chloride	CL(-1)	Bird	American kestrel (water)	WATER		
INORG	Chloride	CL(-1)	Bird	American robin (Avian herbivore)	SOIL		
INORG	Chloride	CL(-1)	Bird	American robin (Avian insectivore)	SOIL		
INORG	Chloride	CL(-1)	Bird	American robin (Avian omnivore)	SOIL		
INORG	Chloride	CL(-1)	Bird	American robin (water)	WATER		
INORG	Chloride	CL(-1)	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
INORG	Chloride	CL(-1)	Bird	Violet-green Swallow (water)	WATER		
INORG	Chloride	CL(-1)	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Chloride	CL(-1)	Mammal	Deer mouse (Mammalian omnivore)	SOIL		
INORG	Chloride	CL(-1)	Mammal	Deer mouse (water)	WATER		
INORG	Chloride	CL(-1)	Mammal	Desert cottontail (Mammalian herbivore)	SOIL		
INORG	Chloride	CL(-1)	Mammal	Desert cottontail (water)	WATER		
INORG	Chloride	CL(-1)	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT		
INORG	Chloride	CL(-1)	Mammal	Occult little brown myotis bat (water)	WATER		
INORG	Chloride	CL(-1)	Mammal	Red fox (Mammalian top carnivore)	SOIL		
INORG	Chloride	CL(-1)	Mammal	Red fox (water)	WATER		
INORG	Chloride	CL(-1)	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL		
INORG	Chloride	CL(-1)	Mammal	Vagrant shrew (water)	WATER		
INORG	Chloride	CL(-1)	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
INORG	Chromium (total)	CR	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.60E+01	mg/kg
INORG	Chromium (total)	CR	Aquatic	Aquatic community organisms - water	WATER	1.10E+02	µg/L
INORG	Chromium (total)	CR	Bird	American kestrel (Avian intermediate carnivore)	SOIL	8.90E+02	mg/kg
INORG	Chromium (total)	CR	Bird	American kestrel (Avian top carnivore)	SOIL	3.20E+04	mg/kg
INORG	Chromium (total)	CR	Bird	American kestrel (water)	WATER	6.40E+05	µg/L
INORG	Chromium (total)	CR	Bird	American robin (Avian herbivore)	SOIL	1.50E+02	mg/kg
INORG	Chromium (total)	CR	Bird	American robin (Avian insectivore)	SOIL	9.50E+00	mg/kg
INORG	Chromium (total)	CR	Bird	American robin (Avian omnivore)	SOIL	1.10E+01	mg/kg
INORG	Chromium (total)	CR	Bird	American robin (water)	WATER	5.50E+05	µg/L
INORG	Chromium (total)	CR	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.20E+01	mg/kg
INORG	Chromium (total)	CR	Bird	Violet-green Swallow (water)	WATER	3.10E+05	µg/L
INORG	Chromium (total)	CR	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Chromium (total)	CR	Mammal	Deer mouse (Mammalian omnivore)	SOIL	9.00E+04	mg/kg
INORG	Chromium (total)	CR	Mammal	Deer mouse (water)	WATER	1.00E+07	µg/L
INORG	Chromium (total)	CR	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.10E+05	mg/kg
INORG	Chromium (total)	CR	Mammal	Desert cottontail (water)	WATER	1.90E+07	µg/L
INORG	Chromium (total)	CR	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	9.10E+04	mg/kg
INORG	Chromium (total)	CR	Mammal	Occult little brown myotis bat (water)	WATER	1.10E+07	µg/L
INORG	Chromium (total)	CR	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.20E+06	mg/kg
INORG	Chromium (total)	CR	Mammal	Red fox (water)	WATER	2.20E+07	µg/L
INORG	Chromium (total)	CR	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	4.10E+04	mg/kg
INORG	Chromium (total)	CR	Mammal	Vagrant shrew (water)	WATER	8.50E+06	µg/L
INORG	Chromium (total)	CR	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	3.10E+00	mg/kg
INORG	Chromium(+6)	CR(+6)	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.60E+01	mg/kg
INORG	Chromium(+6)	CR(+6)	Aquatic	Aquatic community organisms - water	WATER	1.10E+01	µg/L
INORG	Chromium(+6)	CR(+6)	Bird	American kestrel (Avian intermediate carnivore)	SOIL	4.40E+02	mg/kg
INORG	Chromium(+6)	CR(+6)	Bird	American kestrel (Avian top carnivore)	SOIL	1.60E+03	mg/kg
INORG	Chromium(+6)	CR(+6)	Bird	American kestrel (water)	WATER	3.10E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Bird	American robin (Avian herbivore)	SOIL	7.70E+01	mg/kg
INORG	Chromium(+6)	CR(+6)	Bird	American robin (Avian insectivore)	SOIL	4.70E+01	mg/kg
INORG	Chromium(+6)	CR(+6)	Bird	American robin (Avian omnivore)	SOIL	5.80E+01	mg/kg
INORG	Chromium(+6)	CR(+6)	Bird	American robin (water)	WATER	2.70E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.00E+02	mg/kg
INORG	Chromium(+6)	CR(+6)	Bird	Violet-green Swallow (water)	WATER	1.50E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.00E+01	mg/kg
INORG	Chromium(+6)	CR(+6)	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E+02	mg/kg
INORG	Chromium(+6)	CR(+6)	Mammal	Deer mouse (water)	WATER	1.70E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	5.50E+02	mg/kg
INORG	Chromium(+6)	CR(+6)	Mammal	Desert cottontail (water)	WATER	3.40E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.50E+02	mg/kg
INORG	Chromium(+6)	CR(+6)	Mammal	Occult little brown myotis bat (water)	WATER	2.00E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.10E+03	mg/kg
INORG	Chromium(+6)	CR(+6)	Mammal	Red fox (water)	WATER	3.80E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.20E+01	mg/kg
INORG	Chromium(+6)	CR(+6)	Mammal	Vagrant shrew (water)	WATER	1.40E+04	µg/L
INORG	Chromium(+6)	CR(+6)	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	3.50E-01	mg/kg
INORG	Cobalt	CO	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
INORG	Cobalt	CO	Aquatic	Aquatic community organisms - water	WATER	3.00E+00	µg/L
INORG	Cobalt	CO	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.70E-01	mg/kg
INORG	Cobalt	CO	Bird	American kestrel (Avian top carnivore)	SOIL	4.00E+00	mg/kg
INORG	Cobalt	CO	Bird	American kestrel (water)	WATER	1.60E+03	µg/L
INORG	Cobalt	CO	Bird	American robin (Avian herbivore)	SOIL	1.10E-01	mg/kg
INORG	Cobalt	CO	Bird	American robin (Avian insectivore)	SOIL	5.10E-02	mg/kg
INORG	Cobalt	CO	Bird	American robin (Avian omnivore)	SOIL	7.10E-02	mg/kg
INORG	Cobalt	CO	Bird	American robin (water)	WATER	1.40E+03	µg/L
INORG	Cobalt	CO	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	7.40E-02	mg/kg
INORG	Cobalt	CO	Bird	Violet-green Swallow (water)	WATER	8.20E+02	µg/L
INORG	Cobalt	CO	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Cobalt	CO	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.30E+00	mg/kg
INORG	Cobalt	CO	Mammal	Deer mouse (water)	WATER	1.00E+03	µg/L
INORG	Cobalt	CO	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	5.00E+00	mg/kg
INORG	Cobalt	CO	Mammal	Desert cottontail (water)	WATER	2.00E+03	µg/L
INORG	Cobalt	CO	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.20E+00	mg/kg
INORG	Cobalt	CO	Mammal	Occult little brown myotis bat (water)	WATER	1.20E+03	µg/L
INORG	Cobalt	CO	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.40E+01	mg/kg
INORG	Cobalt	CO	Mammal	Red fox (water)	WATER	2.30E+03	µg/L
INORG	Cobalt	CO	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	9.10E-01	mg/kg
INORG	Cobalt	CO	Mammal	Vagrant shrew (water)	WATER	8.90E+02	µg/L
INORG	Cobalt	CO	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.50E+00	mg/kg
INORG	Copper	CU	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.80E+01	mg/kg
INORG	Copper	CU	Aquatic	Aquatic community organisms - water	WATER	5.00E+00	µg/L
INORG	Copper	CU	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.10E+02	mg/kg
INORG	Copper	CU	Bird	American kestrel (Avian top carnivore)	SOIL	1.60E+04	mg/kg
INORG	Copper	CU	Bird	American kestrel (water)	WATER	3.90E+05	µg/L
INORG	Copper	CU	Bird	American robin (Avian herbivore)	SOIL	1.40E+02	mg/kg
INORG	Copper	CU	Bird	American robin (Avian insectivore)	SOIL	3.80E+01	mg/kg
INORG	Copper	CU	Bird	American robin (Avian omnivore)	SOIL	2.10E+01	mg/kg
INORG	Copper	CU	Bird	American robin (water)	WATER	3.30E+05	µg/L
INORG	Copper	CU	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	7.00E+01	mg/kg
INORG	Copper	CU	Bird	Violet-green Swallow (water)	WATER	1.90E+05	µg/L
INORG	Copper	CU	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.30E+01	mg/kg
INORG	Copper	CU	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.10E+02	mg/kg
INORG	Copper	CU	Mammal	Deer mouse (water)	WATER	6.30E+04	µg/L
INORG	Copper	CU	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.50E+02	mg/kg
INORG	Copper	CU	Mammal	Desert cottontail (water)	WATER	1.20E+05	µg/L
INORG	Copper	CU	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.00E+02	mg/kg
INORG	Copper	CU	Mammal	Occult little brown myotis bat (water)	WATER	7.50E+04	µg/L
INORG	Copper	CU	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.00E+02	mg/kg

Supplemental Table L.5
Ecorisk Database Ecological Screening Levels (ESLs) (Version 1.2)

Analyte Group	Analyte Name	Analyte Code	ESL Receptor Group	ESL Receptor	ESL Medium	ESL	ESL Units
INORG	Copper	CU	Mammal	Red fox (water)	WATER	1.30E+05	µg/L
INORG	Copper	CU	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.70E+01	mg/kg
INORG	Copper	CU	Mammal	Vagrant shrew (water)	WATER	5.30E+04	µg/L
INORG	Copper	CU	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+02	mg/kg
INORG	Cyanide (total)	CN(-1)	Aquatic	Aquatic community organisms - sediment	SEDIMEN	1.00E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Aquatic	Aquatic community organisms - water	WATER	5.20E+00	µg/L
INORG	Cyanide (total)	CN(-1)	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.90E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Bird	American kestrel (Avian top carnivore)	SOIL	3.90E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Bird	American kestrel (water)	WATER	3.30E+02	µg/L
INORG	Cyanide (total)	CN(-1)	Bird	American robin (Avian herbivore)	SOIL	1.00E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Bird	American robin (Avian insectivore)	SOIL	1.00E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Bird	American robin (Avian omnivore)	SOIL	1.00E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Bird	American robin (water)	WATER	2.80E+02	µg/L
INORG	Cyanide (total)	CN(-1)	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN	1.40E-01	mg/kg
INORG	Cyanide (total)	CN(-1)	Bird	Violet-green Swallow (water)	WATER	1.60E+02	µg/L
INORG	Cyanide (total)	CN(-1)	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Cyanide (total)	CN(-1)	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.30E+02	mg/kg
INORG	Cyanide (total)	CN(-1)	Mammal	Deer mouse (water)	WATER	3.60E+05	µg/L
INORG	Cyanide (total)	CN(-1)	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.20E+02	mg/kg
INORG	Cyanide (total)	CN(-1)	Mammal	Desert cottontail (water)	WATER	7.10E+05	µg/L
INORG	Cyanide (total)	CN(-1)	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.30E+02	mg/kg
INORG	Cyanide (total)	CN(-1)	Mammal	Occult little brown myotis bat (water)	WATER	4.30E+05	µg/L
INORG	Cyanide (total)	CN(-1)	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.40E+03	mg/kg
INORG	Cyanide (total)	CN(-1)	Mammal	Red fox (water)	WATER	8.00E+05	µg/L
INORG	Cyanide (total)	CN(-1)	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.10E+02	mg/kg
INORG	Cyanide (total)	CN(-1)	Mammal	Vagrant shrew (water)	WATER	3.00E+05	µg/L
INORG	Cyanide (total)	CN(-1)	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
INORG	Fluoride	F(-1)	Aquatic	Aquatic community organisms - sediment	SEDIMEN		
INORG	Fluoride	F(-1)	Aquatic	Aquatic community organisms - water	WATER	1.60E+03	µg/L
INORG	Fluoride	F(-1)	Bird	American kestrel (Avian intermediate carnivore)	SOIL	7.70E+01	mg/kg
INORG	Fluoride	F(-1)	Bird	American kestrel (Avian top carnivore)	SOIL	7.70E+01	mg/kg
INORG	Fluoride	F(-1)	Bird	American kestrel (water)	WATER	6.50E+04	µg/L
INORG	Fluoride	F(-1)	Bird	American robin (Avian herbivore)	SOIL	2.00E+01	mg/kg
INORG	Fluoride	F(-1)	Bird	American robin (Avian insectivore)	SOIL	2.00E+01	mg/kg
INORG	Fluoride	F(-1)	Bird	American robin (Avian omnivore)	SOIL	2.00E+01	mg/kg
INORG	Fluoride	F(-1)	Bird	American robin (water)	WATER	5.50E+04	µg/L
INORG	Fluoride	F(-1)	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN	2.90E+01	mg/kg
INORG	Fluoride	F(-1)	Bird	Violet-green Swallow (water)	WATER	3.20E+04	µg/L
INORG	Fluoride	F(-1)	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Fluoride	F(-1)	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.30E+02	mg/kg
INORG	Fluoride	F(-1)	Mammal	Deer mouse (water)	WATER	1.40E+05	µg/L
INORG	Fluoride	F(-1)	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.70E+03	mg/kg
INORG	Fluoride	F(-1)	Mammal	Desert cottontail (water)	WATER	2.70E+05	µg/L
INORG	Fluoride	F(-1)	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.60E+02	mg/kg
INORG	Fluoride	F(-1)	Mammal	Occult little brown myotis bat (water)	WATER	1.60E+05	µg/L
INORG	Fluoride	F(-1)	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.70E+03	mg/kg
INORG	Fluoride	F(-1)	Mammal	Red fox (water)	WATER	3.00E+05	µg/L
INORG	Fluoride	F(-1)	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+02	mg/kg
INORG	Fluoride	F(-1)	Mammal	Vagrant shrew (water)	WATER	1.10E+05	µg/L
INORG	Fluoride	F(-1)	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
INORG	Lead	PB	Aquatic	Aquatic community organisms - sediment	SEDIMEN	3.40E+01	mg/kg
INORG	Lead	PB	Aquatic	Aquatic community organisms - water	WATER	1.20E+00	µg/L
INORG	Lead	PB	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.20E+02	mg/kg
INORG	Lead	PB	Bird	American kestrel (Avian top carnivore)	SOIL	2.50E+02	mg/kg
INORG	Lead	PB	Bird	American kestrel (water)	WATER	4.20E+04	µg/L
INORG	Lead	PB	Bird	American robin (Avian herbivore)	SOIL	7.60E+01	mg/kg
INORG	Lead	PB	Bird	American robin (Avian insectivore)	SOIL	1.00E+01	mg/kg
INORG	Lead	PB	Bird	American robin (Avian omnivore)	SOIL	4.80E+00	mg/kg
INORG	Lead	PB	Bird	American robin (water)	WATER	3.60E+04	µg/L
INORG	Lead	PB	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN	4.70E+01	mg/kg
INORG	Lead	PB	Bird	Violet-green Swallow (water)	WATER	2.10E+04	µg/L
INORG	Lead	PB	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	2.00E+03	mg/kg
INORG	Lead	PB	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.40E+02	mg/kg
INORG	Lead	PB	Mammal	Deer mouse (water)	WATER	3.00E+04	µg/L
INORG	Lead	PB	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.40E+03	mg/kg
INORG	Lead	PB	Mammal	Desert cottontail (water)	WATER	5.90E+04	µg/L
INORG	Lead	PB	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	9.10E+01	mg/kg
INORG	Lead	PB	Mammal	Occult little brown myotis bat (water)	WATER	3.60E+04	µg/L
INORG	Lead	PB	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.20E+03	mg/kg
INORG	Lead	PB	Mammal	Red fox (water)	WATER	6.70E+04	µg/L
INORG	Lead	PB	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.00E+01	mg/kg
INORG	Lead	PB	Mammal	Vagrant shrew (water)	WATER	2.60E+04	µg/L
INORG	Lead	PB	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	4.50E+02	mg/kg
INORG	Manganese	MN	Aquatic	Aquatic community organisms - sediment	SEDIMEN	7.20E+02	mg/kg
INORG	Manganese	MN	Aquatic	Aquatic community organisms - water	WATER	8.00E+01	µg/L
INORG	Manganese	MN	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.20E+04	mg/kg
INORG	Manganese	MN	Bird	American kestrel (Avian top carnivore)	SOIL	2.50E+05	mg/kg
INORG	Manganese	MN	Bird	American kestrel (water)	WATER	4.70E+06	µg/L
INORG	Manganese	MN	Bird	American robin (Avian herbivore)	SOIL	5.20E+03	mg/kg
INORG	Manganese	MN	Bird	American robin (Avian insectivore)	SOIL	3.90E+03	mg/kg
INORG	Manganese	MN	Bird	American robin (Avian omnivore)	SOIL	9.30E+03	mg/kg
INORG	Manganese	MN	Bird	American robin (water)	WATER	4.10E+06	µg/L
INORG	Manganese	MN	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN	6.70E+03	mg/kg
INORG	Manganese	MN	Bird	Violet-green Swallow (water)	WATER	2.30E+06	µg/L
INORG	Manganese	MN	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Manganese	MN	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.30E+03	mg/kg
INORG	Manganese	MN	Mammal	Deer mouse (water)	WATER	2.30E+05	µg/L
INORG	Manganese	MN	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.50E+03	mg/kg
INORG	Manganese	MN	Mammal	Desert cottontail (water)	WATER	4.50E+05	µg/L
INORG	Manganese	MN	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	8.60E+02	mg/kg
INORG	Manganese	MN	Mammal	Occult little brown myotis bat (water)	WATER	2.70E+05	µg/L
INORG	Manganese	MN	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.90E+04	mg/kg
INORG	Manganese	MN	Mammal	Red fox (water)	WATER	5.10E+05	µg/L
INORG	Manganese	MN	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.20E+02	mg/kg
INORG	Manganese	MN	Mammal	Vagrant shrew (water)	WATER	1.90E+05	µg/L
INORG	Manganese	MN	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.00E+00	mg/kg
INORG	Mercury (inorganic)	HGI	Aquatic	Aquatic community organisms - sediment	SEDIMEN	1.30E-01	mg/kg
INORG	Mercury (inorganic)	HGI	Aquatic	Aquatic community organisms - water	WATER	1.30E+00	µg/L
INORG	Mercury (inorganic)	HGI	Bird	American kestrel (Avian intermediate carnivore)	SOIL	7.00E+00	mg/kg
INORG	Mercury (inorganic)	HGI	Bird	American kestrel (Avian top carnivore)	SOIL	1.60E+01	mg/kg
INORG	Mercury (inorganic)	HGI	Bird	American kestrel (water)	WATER	3.70E+03	µg/L
INORG	Mercury (inorganic)	HGI	Bird	American robin (Avian herbivore)	SOIL	1.10E+00	mg/kg
INORG	Mercury (inorganic)	HGI	Bird	American robin (Avian insectivore)	SOIL	1.10E+00	mg/kg
INORG	Mercury (inorganic)	HGI	Bird	American robin (Avian omnivore)	SOIL	1.10E+00	mg/kg
INORG	Mercury (inorganic)	HGI	Bird	American robin (water)	WATER	3.20E+03	µg/L
INORG	Mercury (inorganic)	HGI	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN	1.60E+00	mg/kg
INORG	Mercury (inorganic)	HGI	Bird	Violet-green Swallow (water)	WATER	1.80E+03	µg/L
INORG	Mercury (inorganic)	HGI	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	5.00E-02	mg/kg
INORG	Mercury (inorganic)	HGI	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.30E+01	mg/kg
INORG	Mercury (inorganic)	HGI	Mammal	Deer mouse (water)	WATER	6.80E+04	µg/L
INORG	Mercury (inorganic)	HGI	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.30E+02	mg/kg
INORG	Mercury (inorganic)	HGI	Mammal	Desert cottontail (water)	WATER	1.30E+05	µg/L
INORG	Mercury (inorganic)	HGI	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	8.10E+01	mg/kg
INORG	Mercury (inorganic)	HGI	Mammal	Occult little brown myotis bat (water)	WATER	8.10E+04	µg/L
INORG	Mercury (inorganic)	HGI	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.00E+03	mg/kg
INORG	Mercury (inorganic)	HGI	Mammal	Red fox (water)	WATER	1.50E+05	µg/L
INORG	Mercury (inorganic)	HGI	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.90E+01	mg/kg
INORG	Mercury (inorganic)	HGI	Mammal	Vagrant shrew (water)	WATER	5.80E+04	µg/L
INORG	Mercury (inorganic)	HGI	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	3.40E+01	mg/kg
INORG	Mercury (methyl)	HGM	Aquatic	Aquatic community organisms - sediment	SEDIMEN		
INORG	Mercury (methyl)	HGM	Aquatic	Aquatic community organisms - water	WATER	2.80E-03	µg/L
INORG	Mercury (methyl)	HGM	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.00E-01	mg/kg
INORG	Mercury (methyl)	HGM	Bird	American kestrel (Avian top carnivore)	SOIL	2.30E-01	mg/kg
INORG	Mercury (methyl)	HGM	Bird	American kestrel (water)	WATER	5.30E+01	µg/L
INORG	Mercury (methyl)	HGM	Bird	American robin (Avian herbivore)	SOIL	1.60E-02	mg/kg
INORG	Mercury (methyl)	HGM	Bird	American robin (Avian insectivore)	SOIL	1.60E-02	mg/kg
INORG	Mercury (methyl)	HGM	Bird	American robin (Avian omnivore)	SOIL	1.60E-02	mg/kg
INORG	Mercury (methyl)	HGM	Bird	American robin (water)	WATER	4.50E+01	µg/L
INORG	Mercury (methyl)	HGM	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN	2.30E-02	mg/kg
INORG	Mercury (methyl)	HGM	Bird	Violet-green Swallow (water)	WATER	2.60E+01	µg/L
INORG	Mercury (methyl)	HGM	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	2.50E+00	mg/kg
INORG	Mercury (methyl)	HGM	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E-01	mg/kg
INORG	Mercury (methyl)	HGM	Mammal	Deer mouse (water)	WATER	1.60E+02	µg/L
INORG	Mercury (methyl)	HGM	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.30E-01	mg/kg
INORG	Mercury (methyl)	HGM	Mammal	Desert cottontail (water)	WATER	3.20E+02	µg/L
INORG	Mercury (methyl)	HGM	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.00E-01	mg/kg
INORG	Mercury (methyl)	HGM	Mammal	Occult little brown myotis bat (water)	WATER	2.00E+02	µg/L
INORG	Mercury (methyl)	HGM	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.50E+00	mg/kg
INORG	Mercury (methyl)	HGM	Mammal	Red fox (water)	WATER	3.70E+02	µg/L
INORG	Mercury (methyl)	HGM	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.40E-01	mg/kg
INORG	Mercury (methyl)	HGM	Mammal	Vagrant shrew (water)	WATER	1.40E+02	µg/L
INORG	Mercury (methyl)	HGM	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
INORG	Nickel	NI	Aquatic	Aquatic community organisms - sediment	SEDIMEN	3.90E+01	mg/kg
INORG	Nickel	NI	Aquatic	Aquatic community organisms - water	WATER	2.80E+01	µg/L
INORG	Nickel	NI	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.70E+03	mg/kg
INORG	Nickel	NI	Bird	American kestrel (Avian top carnivore)	SOIL	3.50E+04	mg/kg
INORG	Nickel	NI	Bird	American kestrel (water)	WATER	6.40E+05	µg/L
INORG	Nickel	NI	Bird	American robin (Avian herbivore)	SOIL	7.30E+02	mg/kg
INORG	Nickel	NI	Bird	American robin (Avian insectivore)	SOIL	4.60E+02	mg/kg
INORG	Nickel	NI	Bird	American robin (Avian omnivore)	SOIL	5.60E+02	mg/kg
INORG	Nickel	NI	Bird	American robin (water)	WATER	5.50E+05	µg/L
INORG	Nickel	NI	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN	7.60E+02	mg/kg
INORG	Nickel	NI	Bird	Violet-green Swallow (water)	WATER	3.10E+05	µg/L
INORG	Nickel	NI	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.00E+02	mg/kg
INORG	Nickel	NI	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.40E+02	mg/kg
INORG	Nickel	NI	Mammal	Deer mouse (water)	WATER	2.10E+04	µg/L
INORG	Nickel	NI	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.90E+03	mg/kg
INORG	Nickel	NI	Mammal	Desert cottontail (water)	WATER	4.10E+04	µg/L
INORG	Nickel	NI	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	6.60E+01	mg/kg
INORG	Nickel	NI	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+04	µg/L
INORG	Nickel	NI	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.70E+03	mg/kg
INORG	Nickel	NI	Mammal	Red fox (water)	WATER	4.60E+04	µg/L
INORG	Nickel	NI	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+01	mg/kg
INORG	Nickel	NI	Mammal	Vagrant shrew (water)	WATER	1.70E+04	µg/L
INORG	Nickel	NI	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.00E+02	mg/kg
INORG	Selenium	SE	Aquatic	Aquatic community organisms - sediment	SEDIMEN	1.00E+00	mg/kg
INORG	Selenium	SE	Aquatic	Aquatic community organisms - water	WATER	2.00E+00	µg/L
INORG	Selenium	SE	Bird	American kestrel (Avian intermediate carnivore)	SOIL	7.70E+00	mg/kg
INORG	Selenium	SE	Bird	American kestrel (Avian top carnivore)	SOIL	3.70E+00	mg/kg
INORG	Selenium	SE	Bird	American kestrel (water)	WATER	3.60E+02	µg/L
INORG	Selenium	SE	Bird	American robin (Avian herbivore)	SOIL	2.00E+00	mg/kg
INORG	Selenium	SE	Bird	American robin (Avian insectivore)	SOIL	1.10E+00	mg/kg
INORG	Selenium	SE	Bird	American robin (Avian omnivore)	SOIL	1.40E+00	mg/kg
INORG	Selenium	SE	Bird	American robin (water)	WATER	3.10E+02	µg/L
INORG	Selenium	SE	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN	1.60E+00	mg/kg
INORG	Selenium	SE	Bird	Violet-green Swallow (water)	WATER	1.80E+02	µg/L
INORG	Selenium	SE	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	7.70E+00	mg/kg
INORG	Selenium	SE	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.20E+00	mg/kg
INORG	Selenium	SE	Mammal	Deer mouse (water)	WATER	1.00E+03	µg/L
INORG	Selenium	SE	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	4.10E+00	mg/kg
INORG	Selenium	SE	Mammal	Desert cottontail (water)	WATER	2.00E+03	µg/L
INORG	Selenium	SE	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.20E+00	mg/kg
INORG	Selenium	SE	Mammal	Occult little brown myotis bat (water)	WATER	1.20E+03	µg/L
INORG	Selenium	SE	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.40E+01	mg/kg
INORG	Selenium	SE	Mammal	Red fox (water)	WATER	2.30E+03	µg/L
INORG	Selenium	SE	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	9.10E-01	mg/kg
INORG	Selenium	SE	Mammal	Vagrant shrew (water)	WATER	8.80E+02	µg/L
INORG	Selenium	SE	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.00E-01	mg/kg
INORG	Silver	AG	Aquatic	Aquatic community organisms - sediment	SEDIMEN	1.00E+00	mg/kg
INORG	Silver	AG	Aquatic	Aquatic community organisms - water	WATER	3.60E-01	µg/L
INORG	Silver	AG	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.70E+02	mg/kg
INORG	Silver	AG	Bird	American kestrel (Avian top carnivore)	SOIL	2.10E+03	mg/kg
INORG	Silver	AG	Bird	American kestrel (water)	WATER	4.50E+04	µg/L
INORG	Silver	AG	Bird	American robin (Avian herbivore)	SOIL	1.40E+02	mg/kg
INORG	Silver	AG	Bird	American robin (Avian insectivore)	SOIL	4.40E+01	mg/kg
INORG	Silver	AG	Bird	American robin (Avian omnivore)	SOIL	2.10E+01	mg/kg
INORG	Silver	AG	Bird	American robin (water)	WATER	3.60E+04	µg/L
INORG	Silver	AG	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN	3.10E+01	mg/kg
INORG	Silver	AG	Bird	Violet-green Swallow (water)	WATER	2.20E+04	µg/L
INORG	Silver	AG	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Silver	AG	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E+01	mg/kg
INORG	Silver	AG	Mammal	Deer mouse (water)	WATER	1.00E+04	µg/L
INORG	Silver	AG	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.10E+02	mg/kg
INORG	Silver	AG	Mammal	Desert cottontail (water)	WATER	2.00E+04	µg/L
INORG	Silver	AG	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.00E+00	mg/kg
INORG	Silver	AG	Mammal	Occult little brown myotis bat (water)	WATER	1.20E+04	µg/L
INORG	Silver	AG	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.20E+03	mg/kg
INORG	Silver	AG	Mammal	Red fox (water)	WATER	2.20E+04	µg/L
INORG	Silver	AG	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.60E+00	mg/kg
INORG	Silver	AG	Mammal	Vagrant shrew (water)	WATER	8.90E+03	µg/L
INORG	Silver	AG	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.00E-02	mg/kg
INORG	Strontium (stable)	SR	Aquatic	Aquatic community organisms - sediment	SEDIMEN		
INORG	Strontium (stable)	SR	Aquatic	Aquatic community organisms - water	WATER	6.20E+02	µg/L
INORG	Strontium (stable)	SR	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
INORG	Strontium (stable)	SR	Bird	American kestrel (Avian top carnivore)	SOIL		
INORG	Strontium (stable)	SR	Bird	American kestrel (water)	WATER		
INORG	Strontium (stable)	SR	Bird	American robin (Avian herbivore)	SOIL		
INORG	Strontium (stable)	SR	Bird	American robin (Avian insectivore)	SOIL		
INORG	Strontium (stable)	SR	Bird	American robin (Avian omnivore)	SOIL		
INORG	Strontium (stable)	SR	Bird	American robin (water)	WATER		
INORG	Strontium (stable)	SR	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
INORG	Strontium (stable)	SR	Bird	Violet-green Swallow (water)	WATER		
INORG	Strontium (stable)	SR	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Strontium (stable)	SR	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.90E+03	mg/kg
INORG	Strontium (stable)	SR	Mammal	Deer mouse (water)	WATER	1.20E+06	µg/L
INORG	Strontium (stable)	SR	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.60E+04	mg/kg
INORG	Strontium (stable)	SR	Mammal	Desert cottontail (water)	WATER	2.50E+06	µg/L
INORG	Strontium (stable)	SR	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	6.20E+02	mg/kg
INORG	Strontium (stable)	SR	Mammal	Occult little brown myotis bat (water)	WATER	1.50E+06	µg/L
INORG	Strontium (stable)	SR	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.50E+04	mg/kg
INORG	Strontium (stable)	SR	Mammal	Red fox (water)	WATER	2.80E+06	µg/L
INORG	Strontium (stable)	SR	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E+03	mg/kg
INORG	Strontium (stable)	SR	Mammal	Vagrant shrew (water)	WATER	1.10E+06	µg/L
INORG	Strontium (stable)	SR	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
INORG	Thallium	TL	Aquatic	Aquatic community organisms - sediment	SEDIMEN		
INORG	Thallium	TL	Aquatic	Aquatic community organisms - water	WATER	1.80E+01	µg/L
INORG	Thallium	TL	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
INORG	Thallium	TL	Bird	American kestrel (Avian top carnivore)	SOIL		
INORG	Thallium	TL	Bird	American kestrel (water)	WATER		
INORG	Thallium	TL	Bird	American robin (Avian herbivore)	SOIL		
INORG	Thallium	TL	Bird	American robin (Avian insectivore)	SOIL		
INORG	Thallium	TL	Bird	American robin (Avian omnivore)	SOIL		
INORG	Thallium	TL	Bird	American robin (water)	WATER		
INORG	Thallium	TL	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
INORG	Thallium	TL	Bird	Violet-green Swallow (water)	WATER		
INORG	Thallium	TL	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Thallium	TL	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.90E-01	mg/kg
INORG	Thallium	TL	Mammal	Deer mouse (water)	WATER	3.70E+02	µg/L
INORG	Thallium	TL	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.70E+00	mg/kg
INORG	Thallium	TL	Mammal	Desert cottontail (water)	WATER	7.30E+02	µg/L
INORG	Thallium	TL	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.40E-01	mg/kg
INORG	Thallium	TL	Mammal	Occult little brown myotis bat (water)	WATER	4.40E+02	µg/L
INORG	Thallium	TL	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.20E+00	mg/kg
INORG	Thallium	TL	Mammal	Red fox (water)	WATER	8.20E+02	µg/L
INORG	Thallium	TL	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.20E-01	mg/kg
INORG	Thallium	TL	Mammal	Vagrant shrew (water)	WATER	3.10E+02	µg/L
INORG	Thallium	TL	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E-01	mg/kg
INORG	Titanium	TI	Aquatic	Aquatic community organisms - sediment	SEDIMEN		
INORG	Titanium	TI	Aquatic	Aquatic community organisms - water	WATER		
INORG	Titanium	TI	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
INORG	Titanium	TI	Bird	American kestrel (Avian top carnivore)	SOIL		
INORG	Titanium	TI	Bird	American kestrel (water)	WATER		
INORG	Titanium	TI	Bird	American robin (Avian herbivore)	SOIL		
INORG	Titanium	TI	Bird	American robin (Avian insectivore)	SOIL		
INORG	Titanium	TI	Bird	American robin (Avian omnivore)	SOIL		
INORG	Titanium	TI	Bird	American robin (water)	WATER		
INORG	Titanium	TI	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
INORG	Titanium	TI	Bird	Violet-green Swallow (water)	WATER		
INORG	Titanium	TI	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Titanium	TI	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E+03	mg/kg
INORG	Titanium	TI	Mammal	Deer mouse (water)	WATER	8.30E+04	µg/L
INORG	Titanium	TI	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	5.70E+03	mg/kg
INORG	Titanium	TI	Mammal	Desert cottontail (water)	WATER	1.60E+05	µg/L
INORG	Titanium	TI	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	9.90E+02	mg/kg
INORG	Titanium	TI	Mammal	Occult little brown myotis bat (water)	WATER	9.90E+04	µg/L
INORG	Titanium	TI	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.80E+03	mg/kg
INORG	Titanium	TI	Mammal	Red fox (water)	WATER	1.80E+05	µg/L
INORG	Titanium	TI	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.20E+02	mg/kg
INORG	Titanium	TI	Mammal	Vagrant shrew (water)	WATER	7.00E+04	µg/L
INORG	Titanium	TI	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
INORG	Uranium	U	Aquatic	Aquatic community organisms - sediment	SEDIMEN		
INORG	Uranium	U	Aquatic	Aquatic community organisms - water	WATER	1.80E+00	µg/L
INORG	Uranium	U	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.50E+03	mg/kg
INORG	Uranium	U	Bird	American kestrel (Avian top carnivore)	SOIL	2.70E+03	mg/kg
INORG	Uranium	U	Bird	American kestrel (water)	WATER	6.90E+04	µg/L
INORG	Uranium	U	Bird	American robin (Avian herbivore)	SOIL	1.90E+03	mg/kg
INORG	Uranium	U	Bird	American robin (Avian insectivore)	SOIL	2.10E+03	mg/kg
INORG	Uranium	U	Bird	American robin (Avian omnivore)	SOIL	3.80E+03	mg/kg
INORG	Uranium	U	Bird	American robin (water)	WATER	5.90E+04	µg/L
INORG	Uranium	U	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN	3.00E+03	mg/kg
INORG	Uranium	U	Bird	Violet-green Swallow (water)	WATER	3.40E+04	µg/L
INORG	Uranium	U	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Uranium	U	Mammal	Deer mouse (Mammalian omnivore)	SOIL	5.70E+01	mg/kg
INORG	Uranium	U	Mammal	Deer mouse (water)	WATER	3.20E+04	µg/L
INORG	Uranium	U	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.30E+03	mg/kg
INORG	Uranium	U	Mammal	Desert cottontail (water)	WATER	6.20E+04	µg/L
INORG	Uranium	U	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.80E+01	mg/kg
INORG	Uranium	U	Mammal	Occult little brown myotis bat (water)	WATER	3.80E+04	µg/L
INORG	Uranium	U	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.30E+03	mg/kg
INORG	Uranium	U	Mammal	Red fox (water)	WATER	7.00E+04	µg/L
INORG	Uranium	U	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.80E+01	mg/kg
INORG	Uranium	U	Mammal	Vagrant shrew (water)	WATER	2.70E+04	µg/L
INORG	Uranium	U	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	5.00E+00	mg/kg
INORG	Vanadium	V	Aquatic	Aquatic community organisms - sediment	SEDIMEN		
INORG	Vanadium	V	Aquatic	Aquatic community organisms - water	WATER	1.90E+01	µg/L
INORG	Vanadium	V	Bird	American kestrel (Avian intermediate carnivore)	SOIL	2.10E+01	mg/kg
INORG	Vanadium	V	Bird	American kestrel (Avian top carnivore)	SOIL	4.90E+02	mg/kg
INORG	Vanadium	V	Bird	American kestrel (water)	WATER	9.10E+03	µg/L
INORG	Vanadium	V	Bird	American robin (Avian herbivore)	SOIL	2.90E+01	mg/kg
INORG	Vanadium	V	Bird	American robin (Avian insectivore)	SOIL	2.80E+00	mg/kg
INORG	Vanadium	V	Bird	American robin (Avian omnivore)	SOIL	5.20E+00	mg/kg
INORG	Vanadium	V	Bird	American robin (water)	WATER	7.80E+03	µg/L
INORG	Vanadium	V	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN	4.10E+00	mg/kg
INORG	Vanadium	V	Bird	Violet-green Swallow (water)	WATER	4.50E+03	µg/L
INORG	Vanadium	V	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
INORG	Vanadium	V	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.00E+01	mg/kg
INORG	Vanadium	V	Mammal	Deer mouse (water)	WATER	1.10E+04	µg/L
INORG	Vanadium	V	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.60E+02	mg/kg
INORG	Vanadium	V	Mammal	Desert cottontail (water)	WATER	2.10E+04	µg/L
INORG	Vanadium	V	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.30E+01	mg/kg

Supplemental Table L.5
Ecorisk Database Ecological Screening Levels (ESLs) (Version 1.2)

Analyte Group	Analyte Name	Analyte Code	ESL Receptor Group	ESL Receptor	ESL Medium	ESL	ESL Units
INORG	Vanadium	V	Mammal	Occult little brown myotis bat (water)	WATER	1.30E+06	µg/L
INORG	Vanadium	V	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.40E+03	mg/kg
INORG	Vanadium	V	Mammal	Red fox (water)	WATER	2.40E+06	µg/L
INORG	Vanadium	V	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	9.60E+00	mg/kg
INORG	Vanadium	V	Mammal	Vagrant shrew (water)	WATER	9.40E+03	µg/L
INORG	Vanadium	V	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.50E-01	mg/kg
INORG	Zinc	ZN	Aquatic	Aquatic community organisms - sediment	SEDIMEN	1.50E+02	mg/kg
INORG	Zinc	ZN	Aquatic	Aquatic community organisms - water	WATER	6.60E+01	µg/L
INORG	Zinc	ZN	Bird	American kestrel (Avian intermediate carnivore)	SOIL	5.30E+02	mg/kg
INORG	Zinc	ZN	Bird	American kestrel (Avian top carnivore)	SOIL	7.60E+02	mg/kg
INORG	Zinc	ZN	Bird	American kestrel (water)	WATER	1.00E+06	µg/L
INORG	Zinc	ZN	Bird	American robin (Avian herbivore)	SOIL	2.30E+02	mg/kg
INORG	Zinc	ZN	Bird	American robin (Avian insectivore)	SOIL	9.20E+01	mg/kg
INORG	Zinc	ZN	Bird	American robin (Avian omnivore)	SOIL	3.60E+01	mg/kg
INORG	Zinc	ZN	Bird	American robin (water)	WATER	9.20E+05	µg/L
INORG	Zinc	ZN	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN	1.60E+02	mg/kg
INORG	Zinc	ZN	Bird	Violet-green Swallow (water)	WATER	5.30E+05	µg/L
INORG	Zinc	ZN	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	3.50E+02	mg/kg
INORG	Zinc	ZN	Mammal	Deer mouse (Mammalian omnivore)	SOIL	8.60E+02	mg/kg
INORG	Zinc	ZN	Mammal	Deer mouse (water)	WATER	8.40E+05	µg/L
INORG	Zinc	ZN	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.10E+03	mg/kg
INORG	Zinc	ZN	Mammal	Desert cottontail (water)	WATER	1.60E+06	µg/L
INORG	Zinc	ZN	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.30E+02	mg/kg
INORG	Zinc	ZN	Mammal	Occult little brown myotis bat (water)	WATER	1.00E+06	µg/L
INORG	Zinc	ZN	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.90E+04	mg/kg
INORG	Zinc	ZN	Mammal	Red fox (water)	WATER	1.80E+06	µg/L
INORG	Zinc	ZN	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.00E+02	mg/kg
INORG	Zinc	ZN	Mammal	Vagrant shrew (water)	WATER	7.10E+05	µg/L
INORG	Zinc	ZN	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+02	mg/kg
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Aquatic	Aquatic community organisms - sediment	SEDIMEN		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Aquatic	Aquatic community organisms - water	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American kestrel (Avian top carnivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American kestrel (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American robin (Avian herbivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American robin (Avian insectivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American robin (Avian omnivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	American robin (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Bird	Violet-green Swallow (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Deer mouse (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Desert cottontail (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Occult little brown myotis bat (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Red fox (Mammalian top carnivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Red fox (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Mammal	Vagrant shrew (water)	WATER		
ORG	Chlor-3-methylphenol[4-]	35421-08-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Aquatic	Aquatic community organisms - sediment	SEDIMEN		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Aquatic	Aquatic community organisms - water	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American kestrel (Avian top carnivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American kestrel (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American robin (Avian herbivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American robin (Avian insectivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American robin (Avian omnivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	American robin (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Bird	Violet-green Swallow (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Deer mouse (Mammalian omnivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Deer mouse (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Desert cottontail (Mammalian herbivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Desert cottontail (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Occult little brown myotis bat (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Red fox (Mammalian top carnivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Red fox (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Mammal	Vagrant shrew (water)	WATER		
ORG	Tetrachloroethane[1,1,1,2-]	630-20-6	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Acenaphthene	83-32-9	Aquatic	Aquatic community organisms - sediment	SEDIMEN	6.20E-01	mg/kg
PAH	Acenaphthene	83-32-9	Aquatic	Aquatic community organisms - water	WATER	2.30E+01	µg/L
PAH	Acenaphthene	83-32-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Acenaphthene	83-32-9	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Acenaphthene	83-32-9	Bird	American kestrel (water)	WATER		
PAH	Acenaphthene	83-32-9	Bird	American robin (Avian herbivore)	SOIL		
PAH	Acenaphthene	83-32-9	Bird	American robin (Avian insectivore)	SOIL		
PAH	Acenaphthene	83-32-9	Bird	American robin (Avian omnivore)	SOIL		
PAH	Acenaphthene	83-32-9	Bird	American robin (water)	WATER		
PAH	Acenaphthene	83-32-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
PAH	Acenaphthene	83-32-9	Bird	Violet-green Swallow (water)	WATER		
PAH	Acenaphthene	83-32-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Acenaphthene	83-32-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.10E+03	mg/kg
PAH	Acenaphthene	83-32-9	Mammal	Deer mouse (water)	WATER	3.60E+05	µg/L
PAH	Acenaphthene	83-32-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.20E+03	mg/kg
PAH	Acenaphthene	83-32-9	Mammal	Desert cottontail (water)	WATER	7.20E+05	µg/L
PAH	Acenaphthene	83-32-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.20E+03	mg/kg
PAH	Acenaphthene	83-32-9	Mammal	Occult little brown myotis bat (water)	WATER	4.40E+05	µg/L
PAH	Acenaphthene	83-32-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.80E+04	mg/kg
PAH	Acenaphthene	83-32-9	Mammal	Red fox (water)	WATER	8.10E+05	µg/L
PAH	Acenaphthene	83-32-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E+03	mg/kg
PAH	Acenaphthene	83-32-9	Mammal	Vagrant shrew (water)	WATER	3.10E+05	µg/L
PAH	Acenaphthene	83-32-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.50E+00	mg/kg
PAH	Acenaphthylene	208-96-8	Aquatic	Aquatic community organisms - sediment	SEDIMEN	6.40E-02	mg/kg
PAH	Acenaphthylene	208-96-8	Aquatic	Aquatic community organisms - water	WATER	3.00E+05	µg/L
PAH	Acenaphthylene	208-96-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Acenaphthylene	208-96-8	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Acenaphthylene	208-96-8	Bird	American kestrel (water)	WATER		
PAH	Acenaphthylene	208-96-8	Bird	American robin (Avian herbivore)	SOIL		
PAH	Acenaphthylene	208-96-8	Bird	American robin (Avian insectivore)	SOIL		
PAH	Acenaphthylene	208-96-8	Bird	American robin (Avian omnivore)	SOIL		
PAH	Acenaphthylene	208-96-8	Bird	American robin (water)	WATER		
PAH	Acenaphthylene	208-96-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
PAH	Acenaphthylene	208-96-8	Bird	Violet-green Swallow (water)	WATER		
PAH	Acenaphthylene	208-96-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Acenaphthylene	208-96-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.10E+03	mg/kg
PAH	Acenaphthylene	208-96-8	Mammal	Deer mouse (water)	WATER	3.60E+05	µg/L
PAH	Acenaphthylene	208-96-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.80E+03	mg/kg
PAH	Acenaphthylene	208-96-8	Mammal	Desert cottontail (water)	WATER	7.20E+05	µg/L
PAH	Acenaphthylene	208-96-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.10E+03	mg/kg
PAH	Acenaphthylene	208-96-8	Mammal	Occult little brown myotis bat (water)	WATER	4.40E+05	µg/L
PAH	Acenaphthylene	208-96-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.40E+04	mg/kg
PAH	Acenaphthylene	208-96-8	Mammal	Red fox (water)	WATER	8.10E+05	µg/L
PAH	Acenaphthylene	208-96-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E+03	mg/kg
PAH	Acenaphthylene	208-96-8	Mammal	Vagrant shrew (water)	WATER	3.10E+05	µg/L
PAH	Acenaphthylene	208-96-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Anthracene	120-12-7	Aquatic	Aquatic community organisms - sediment	SEDIMEN	2.90E-04	mg/kg
PAH	Anthracene	120-12-7	Aquatic	Aquatic community organisms - water	WATER	1.30E-02	µg/L
PAH	Anthracene	120-12-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Anthracene	120-12-7	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Anthracene	120-12-7	Bird	American kestrel (water)	WATER		
PAH	Anthracene	120-12-7	Bird	American robin (Avian herbivore)	SOIL		
PAH	Anthracene	120-12-7	Bird	American robin (Avian insectivore)	SOIL		
PAH	Anthracene	120-12-7	Bird	American robin (Avian omnivore)	SOIL		
PAH	Anthracene	120-12-7	Bird	American robin (water)	WATER		
PAH	Anthracene	120-12-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
PAH	Anthracene	120-12-7	Bird	Violet-green Swallow (water)	WATER		
PAH	Anthracene	120-12-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Anthracene	120-12-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.30E+03	mg/kg
PAH	Anthracene	120-12-7	Mammal	Deer mouse (water)	WATER	5.20E+06	µg/L
PAH	Anthracene	120-12-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	9.30E+04	mg/kg
PAH	Anthracene	120-12-7	Mammal	Desert cottontail (water)	WATER	1.00E+07	µg/L
PAH	Anthracene	120-12-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.90E+03	mg/kg
PAH	Anthracene	120-12-7	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+06	µg/L
PAH	Anthracene	120-12-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.80E+05	mg/kg
PAH	Anthracene	120-12-7	Mammal	Red fox (water)	WATER	1.10E+07	µg/L
PAH	Anthracene	120-12-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.20E+03	mg/kg
PAH	Anthracene	120-12-7	Mammal	Vagrant shrew (water)	WATER	4.40E+06	µg/L
PAH	Anthracene	120-12-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Benzo(a)anthracene	56-55-3	Aquatic	Aquatic community organisms - sediment	SEDIMEN	1.10E-01	mg/kg
PAH	Benzo(a)anthracene	56-55-3	Aquatic	Aquatic community organisms - water	WATER	2.70E-02	µg/L
PAH	Benzo(a)anthracene	56-55-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Benzo(a)anthracene	56-55-3	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Benzo(a)anthracene	56-55-3	Bird	American kestrel (water)	WATER		
PAH	Benzo(a)anthracene	56-55-3	Bird	American robin (Avian herbivore)	SOIL		
PAH	Benzo(a)anthracene	56-55-3	Bird	American robin (Avian insectivore)	SOIL		
PAH	Benzo(a)anthracene	56-55-3	Bird	American robin (Avian omnivore)	SOIL		
PAH	Benzo(a)anthracene	56-55-3	Bird	American robin (water)	WATER		
PAH	Benzo(a)anthracene	56-55-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
PAH	Benzo(a)anthracene	56-55-3	Bird	Violet-green Swallow (water)	WATER		
PAH	Benzo(a)anthracene	56-55-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Benzo(a)anthracene	56-55-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.70E+00	mg/kg
PAH	Benzo(a)anthracene	56-55-3	Mammal	Deer mouse (water)	WATER	8.90E+03	µg/L
PAH	Benzo(a)anthracene	56-55-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	4.10E+03	mg/kg
PAH	Benzo(a)anthracene	56-55-3	Mammal	Desert cottontail (water)	WATER	1.70E+04	µg/L
PAH	Benzo(a)anthracene	56-55-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.30E+00	mg/kg
PAH	Benzo(a)anthracene	56-55-3	Mammal	Occult little brown myotis bat (water)	WATER	1.00E+04	µg/L
PAH	Benzo(a)anthracene	56-55-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.30E+03	mg/kg
PAH	Benzo(a)anthracene	56-55-3	Mammal	Red fox (water)	WATER	1.90E+04	µg/L
PAH	Benzo(a)anthracene	56-55-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.30E+00	mg/kg
PAH	Benzo(a)anthracene	56-55-3	Mammal	Vagrant shrew (water)	WATER	7.60E+03	µg/L
PAH	Benzo(a)anthracene	56-55-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.80E+01	mg/kg
PAH	Benzo(a)pyrene	50-32-8	Aquatic	Aquatic community organisms - sediment	SEDIMEN	3.50E-01	mg/kg
PAH	Benzo(a)pyrene	50-32-8	Aquatic	Aquatic community organisms - water	WATER	1.40E-02	µg/L
PAH	Benzo(a)pyrene	50-32-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Benzo(a)pyrene	50-32-8	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Benzo(a)pyrene	50-32-8	Bird	American kestrel (water)	WATER		
PAH	Benzo(a)pyrene	50-32-8	Bird	American robin (Avian herbivore)	SOIL		
PAH	Benzo(a)pyrene	50-32-8	Bird	American robin (Avian insectivore)	SOIL		
PAH	Benzo(a)pyrene	50-32-8	Bird	American robin (Avian omnivore)	SOIL		
PAH	Benzo(a)pyrene	50-32-8	Bird	American robin (water)	WATER		
PAH	Benzo(a)pyrene	50-32-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
PAH	Benzo(a)pyrene	50-32-8	Bird	Violet-green Swallow (water)	WATER		
PAH	Benzo(a)pyrene	50-32-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Benzo(a)pyrene	50-32-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.80E+00	mg/kg
PAH	Benzo(a)pyrene	50-32-8	Mammal	Deer mouse (water)	WATER	5.20E+03	µg/L
PAH	Benzo(a)pyrene	50-32-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.00E+02	mg/kg
PAH	Benzo(a)pyrene	50-32-8	Mammal	Desert cottontail (water)	WATER	1.00E+04	µg/L
PAH	Benzo(a)pyrene	50-32-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.40E+00	mg/kg
PAH	Benzo(a)pyrene	50-32-8	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+03	µg/L
PAH	Benzo(a)pyrene	50-32-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	9.30E+00	mg/kg
PAH	Benzo(a)pyrene	50-32-8	Mammal	Red fox (water)	WATER	1.10E+04	µg/L
PAH	Benzo(a)pyrene	50-32-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.80E+00	mg/kg
PAH	Benzo(a)pyrene	50-32-8	Mammal	Vagrant shrew (water)	WATER	4.40E+03	µg/L
PAH	Benzo(a)pyrene	50-32-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Benzo(b)fluoranthene	205-99-2	Aquatic	Aquatic community organisms - sediment	SEDIMEN	2.40E-01	mg/kg
PAH	Benzo(b)fluoranthene	205-99-2	Aquatic	Aquatic community organisms - water	WATER	3.00E+02	µg/L
PAH	Benzo(b)fluoranthene	205-99-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Benzo(b)fluoranthene	205-99-2	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Benzo(b)fluoranthene	205-99-2	Bird	American kestrel (water)	WATER		
PAH	Benzo(b)fluoranthene	205-99-2	Bird	American robin (Avian herbivore)	SOIL		
PAH	Benzo(b)fluoranthene	205-99-2	Bird	American robin (Avian insectivore)	SOIL		
PAH	Benzo(b)fluoranthene	205-99-2	Bird	American robin (Avian omnivore)	SOIL		
PAH	Benzo(b)fluoranthene	205-99-2	Bird	American robin (water)	WATER		
PAH	Benzo(b)fluoranthene	205-99-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
PAH	Benzo(b)fluoranthene	205-99-2	Bird	Violet-green Swallow (water)	WATER		
PAH	Benzo(b)fluoranthene	205-99-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Benzo(b)fluoranthene	205-99-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E+03	mg/kg
PAH	Benzo(b)fluoranthene	205-99-2	Mammal	Deer mouse (water)	WATER	2.10E+06	µg/L
PAH	Benzo(b)fluoranthene	205-99-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.20E+03	mg/kg
PAH	Benzo(b)fluoranthene	205-99-2	Mammal	Desert cottontail (water)	WATER	4.10E+06	µg/L
PAH	Benzo(b)fluoranthene	205-99-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	9.60E+02	mg/kg
PAH	Benzo(b)fluoranthene	205-99-2	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+06	µg/L
PAH	Benzo(b)fluoranthene	205-99-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.90E+05	mg/kg
PAH	Benzo(b)fluoranthene	205-99-2	Mammal	Red fox (water)	WATER	4.60E+06	µg/L
PAH	Benzo(b)fluoranthene	205-99-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.40E+02	mg/kg
PAH	Benzo(b)fluoranthene	205-99-2	Mammal	Vagrant shrew (water)	WATER	1.70E+06	µg/L
PAH	Benzo(b)fluoranthene	205-99-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.80E+01	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Aquatic	Aquatic community organisms - sediment	SEDIMEN	2.90E-01	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Aquatic	Aquatic community organisms - water	WATER	3.00E+02	µg/L
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American kestrel (water)	WATER		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American robin (Avian herbivore)	SOIL		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American robin (Avian insectivore)	SOIL		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American robin (Avian omnivore)	SOIL		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	American robin (water)	WATER		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
PAH	Benzo(g,h,i)perylene	191-24-2	Bird	Violet-green Swallow (water)	WATER		
PAH	Benzo(g,h,i)perylene	191-24-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.50E+03	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Deer mouse (water)	WATER	3.70E+06	µg/L
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.60E+03	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Desert cottontail (water)	WATER	7.40E+06	µg/L
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.60E+03	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Occult little brown myotis bat (water)	WATER	4.50E+06	µg/L
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.50E+05	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Red fox (water)	WATER	8.30E+06	µg/L
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+03	mg/kg
PAH	Benzo(g,h,i)perylene	191-24-2	Mammal	Vagrant shrew (water)	WATER	3.20E+06	µg/L
PAH	Benzo(g,h,i)perylene	191-24-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Benzo(k)fluoranthene	207-08-9	Aquatic	Aquatic community organisms - sediment	SEDIMEN	2.40E-01	mg/kg
PAH	Benzo(k)fluoranthene	207-08-9	Aquatic	Aquatic community organisms - water	WATER	3.00E+02	µg/L
PAH	Benzo(k)fluoranthene	207-08-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Benzo(k)fluoranthene	207-08-9	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Benzo(k)fluoranthene	207-08-9	Bird	American kestrel (water)	WATER		
PAH	Benzo(k)fluoranthene	207-08-9	Bird	American robin (Avian herbivore)	SOIL		
PAH	Benzo(k)fluoranthene	207-08-9	Bird	American robin (Avian insectivore)	SOIL		
PAH	Benzo(k)fluoranthene	207-08-9	Bird	American robin (Avian omnivore)	SOIL		
PAH	Benzo(k)fluoranthene	207-08-9	Bird	American robin (water)	WATER		
PAH	Benzo(k)fluoranthene	207-08-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
PAH	Benzo(k)fluoranthene	207-08-9	Bird	Violet-green Swallow (water)	WATER		
PAH	Benzo(k)fluoranthene	207-08-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Benzo(k)fluoranthene	207-08-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.70E+03	mg/kg
PAH	Benzo(k)fluoranthene	207-08-9	Mammal	Deer mouse (water)	WATER	3.70E+06	µg/L
PAH	Benzo(k)fluoranthene	207-08-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.20E+03	mg/kg
PAH	Benzo(k)fluoranthene	207-08-9	Mammal	Desert cottontail (water)	WATER	7.40E+06	µg/L
PAH	Benzo(k)fluoranthene	207-08-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.70E+03	mg/kg
PAH	Benzo(k)fluoranthene	207-08-9	Mammal	Occult little brown myotis bat (water)	WATER	4.50E+06	µg/L
PAH	Benzo(k)fluoranthene	207-08-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.30E+05	mg/kg
PAH	Benzo(k)fluoranthene	207-08-9	Mammal	Red fox (water)	WATER	8.30E+06	µg/L
PAH	Benzo(k)fluoranthene	207-08-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.30E+03	mg/kg
PAH	Benzo(k)fluoranthene	207-08-9	Mammal	Vagrant shrew (water)	WATER	3.20E+06	µg/L
PAH	Benzo(k)fluoranthene	207-08-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Chrysene	218-01-9	Aquatic	Aquatic community organisms - sediment	SEDIMEN	5.00E-01	mg/kg
PAH	Chrysene	218-01-9	Aquatic	Aquatic community organisms - water	WATER	3.00E+02	µg/L
PAH	Chrysene	218-01-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Chrysene	218-01-9	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Chrysene	218-01-9	Bird	American kestrel (water)	WATER		
PAH	Chrysene	218-01-9	Bird	American robin (Avian herbivore)	SOIL		
PAH	Chrysene	218-01-9	Bird	American robin (Avian insectivore)	SOIL		
PAH	Chrysene	218-01-9	Bird	American robin (Avian omnivore)	SOIL		
PAH	Chrysene	218-01-9	Bird	American robin (water)	WATER		
PAH	Chrysene	218-01-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
PAH	Chrysene	218-01-9	Bird	Violet-green Swallow (water)	WATER		
PAH	Chrysene	218-01-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Chrysene	218-01-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.70E+00	mg/kg
PAH	Chrysene	218-01-9	Mammal	Deer mouse (water)	WATER	8.90E+03	µg/L
PAH	Chrysene	218-01-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	4.10E+03	mg/kg
PAH	Chrysene	218-01-9	Mammal	Desert cottontail (water)	WATER	1.70E+04	µg/L
PAH	Chrysene	218-01-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.30E+00	mg/kg
PAH	Chrysene	218-01-9	Mammal	Occult little brown myotis bat (water)	WATER	1.00E+04	µg/L
PAH	Chrysene	218-01-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.30E+03	mg/kg
PAH	Chrysene	218-01-9	Mammal	Red fox (water)	WATER	1.90E+04	µg/L
PAH	Chrysene	218-01-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.30E+00	mg/kg
PAH	Chrysene	218-01-9	Mammal	Vagrant shrew (water)	WATER	7.60E+03	µg/L
PAH	Chrysene	218-01-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Aquatic	Aquatic community organisms - sediment	SEDIMEN	1.50E-02	mg/kg
PAH	Dibenzo(a,h)anthracene	53-70-3	Aquatic	Aquatic community organisms - water	WATER	3.00E+02	µg/L
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American kestrel (water)	WATER		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American robin (Avian herbivore)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American robin (Avian insectivore)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American robin (Avian omnivore)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	American robin (water)	WATER		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
PAH	Dibenzo(a,h)anthracene	53-70-3	Bird	Violet-green Swallow (water)	WATER		
PAH	Dibenzo(a,h)anthracene	53-70-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.70E+00	mg/kg
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Deer mouse (water)	WATER	7.00E+03	µg/L
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	4.80E+03	mg/kg
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Desert cottontail (water)	WATER	1.30E+04	µg/L
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.00E+00	mg/kg
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Occult little brown myotis bat (water)	WATER	8.30E+03	µg/L
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.90E+00	mg/kg
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Red fox (water)	WATER	1.50E+04	µg/L
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.30E+00	mg/kg
PAH	Dibenzo(a,h)anthracene	53-70-3	Mammal	Vagrant shrew (water)	WATER	5.90E+03	µg/L
PAH	Dibenzo(a,h)anthracene	53-70-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Fluoranthene	206-44-0	Aquatic	Aquatic community organisms - sediment	SEDIMEN	2.90E+00	mg/kg
PAH	Fluoranthene	206-44-0	Aquatic	Aquatic community organisms - water	WATER	6.10E+00	µg/L
PAH	Fluoranthene	206-44-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Fluoranthene	206-44-0	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Fluoranthene	206-44-0	Bird	American kestrel (water)	WATER		
PAH	Fluoranthene	206-44-0	Bird	American robin (Avian herbivore)	SOIL		
PAH	Fluoranthene	206-44-0	Bird	American robin (Avian insectivore)	SOIL		
PAH	Fluoranthene	206-44-0	Bird	American robin (Avian omnivore)	SOIL		
PAH	Fluoranthene	206-44-0	Bird	American robin (water)	WATER		
PAH	Fluoranthene	206-44-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMEN		
PAH	Fluoranthene	206-44-0	Bird	Violet-green Swallow (water)	WATER		
PAH	Fluoranthene	206-44-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Fluoranthene	206-44-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	5.20E+03	mg/kg
PAH	Fluoranthene	206-44-0	Mammal	Deer mouse (water)	WATER	6.50E+06	µg/L
PAH	Fluoranthene	206-44-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.00E+03	mg/kg
PAH	Fluoranthene	206-44-0	Mammal	Desert cottontail (water)	WATER	1.20E+05	µg/L

Supplemental Table L.5
Ecorisk Database Ecological Screening Levels (ESLs) (Version 1.2)

Analyte Group	Analyte Name	Analyte Code	ESL Receptor Group	ESL Receptor	ESL Medium	ESL	ESL Units
PAH	Fluoranthene	206-44-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.40E+00	mg/kg
PAH	Fluoranthene	206-44-0	Mammal	Occult little brown myotis bat (water)	WATER	7.80E+04	µg/L
PAH	Fluoranthene	206-44-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.20E+02	mg/kg
PAH	Fluoranthene	206-44-0	Mammal	Red fox (water)	WATER	1.40E+05	µg/L
PAH	Fluoranthene	206-44-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.60E+00	mg/kg
PAH	Fluoranthene	206-44-0	Mammal	Vagrant shrew (water)	WATER	5.60E+04	µg/L
PAH	Fluoranthene	206-44-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Fluorene	86-73-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.40E-01	mg/kg
PAH	Fluorene	86-73-7	Aquatic	Aquatic community organisms - water	WATER	3.90E+00	µg/L
PAH	Fluorene	86-73-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Fluorene	86-73-7	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Fluorene	86-73-7	Bird	American kestrel (water)	WATER		
PAH	Fluorene	86-73-7	Bird	American robin (Avian herbivore)	SOIL		
PAH	Fluorene	86-73-7	Bird	American robin (Avian insectivore)	SOIL		
PAH	Fluorene	86-73-7	Bird	American robin (Avian omnivore)	SOIL		
PAH	Fluorene	86-73-7	Bird	American robin (water)	WATER		
PAH	Fluorene	86-73-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Fluorene	86-73-7	Bird	Violet-green Swallow (water)	WATER		
PAH	Fluorene	86-73-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	5.00E+02	mg/kg
PAH	Fluorene	86-73-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	5.50E+02	mg/kg
PAH	Fluorene	86-73-7	Mammal	Deer mouse (water)	WATER	6.50E+04	µg/L
PAH	Fluorene	86-73-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.00E+02	mg/kg
PAH	Fluorene	86-73-7	Mammal	Desert cottontail (water)	WATER	1.20E+05	µg/L
PAH	Fluorene	86-73-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.80E+00	mg/kg
PAH	Fluorene	86-73-7	Mammal	Occult little brown myotis bat (water)	WATER	7.80E+04	µg/L
PAH	Fluorene	86-73-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.40E+03	mg/kg
PAH	Fluorene	86-73-7	Mammal	Red fox (water)	WATER	1.40E+05	µg/L
PAH	Fluorene	86-73-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.90E+02	mg/kg
PAH	Fluorene	86-73-7	Mammal	Vagrant shrew (water)	WATER	5.60E+04	µg/L
PAH	Fluorene	86-73-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Aquatic	Aquatic community organisms - sediment	SEDIMENT	7.80E-02	mg/kg
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Aquatic	Aquatic community organisms - water	WATER	3.00E+02	µg/L
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American kestrel (water)	WATER		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American robin (Avian herbivore)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American robin (Avian insectivore)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American robin (Avian omnivore)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	American robin (water)	WATER		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Bird	Violet-green Swallow (water)	WATER		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.50E+01	mg/kg
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Deer mouse (water)	WATER	3.70E+04	µg/L
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.60E+02	mg/kg
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Desert cottontail (water)	WATER	7.40E+04	µg/L
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.60E+00	mg/kg
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Occult little brown myotis bat (water)	WATER	4.50E+04	µg/L
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.70E+02	mg/kg
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Red fox (water)	WATER	8.30E+04	µg/L
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+01	mg/kg
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Mammal	Vagrant shrew (water)	WATER	3.20E+04	µg/L
PAH	Indeno(1,2,3-cd)pyrene	193-39-5	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.80E-01	mg/kg
PAH	Methylnaphthalene[2-]	91-57-6	Aquatic	Aquatic community organisms - water	WATER	2.00E+00	µg/L
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American kestrel (water)	WATER		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American robin (Avian herbivore)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American robin (Avian insectivore)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American robin (Avian omnivore)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	American robin (water)	WATER		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Methylnaphthalene[2-]	91-57-6	Bird	Violet-green Swallow (water)	WATER		
PAH	Methylnaphthalene[2-]	91-57-6	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.10E+01	mg/kg
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Deer mouse (water)	WATER	1.30E+04	µg/L
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.00E+02	mg/kg
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Desert cottontail (water)	WATER	2.50E+04	µg/L
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	7.90E+00	mg/kg
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Occult little brown myotis bat (water)	WATER	1.50E+04	µg/L
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.40E+03	mg/kg
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Red fox (water)	WATER	2.90E+04	µg/L
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	6.00E+00	mg/kg
PAH	Methylnaphthalene[2-]	91-57-6	Mammal	Vagrant shrew (water)	WATER	1.10E+04	µg/L
PAH	Methylnaphthalene[2-]	91-57-6	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Naphthalene	91-20-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT	4.70E-01	mg/kg
PAH	Naphthalene	91-20-3	Aquatic	Aquatic community organisms - water	WATER	2.30E+01	µg/L
PAH	Naphthalene	91-20-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.40E+00	mg/kg
PAH	Naphthalene	91-20-3	Bird	American kestrel (Avian top carnivore)	SOIL	6.20E+01	mg/kg
PAH	Naphthalene	91-20-3	Bird	American kestrel (water)	WATER	1.10E+03	µg/L
PAH	Naphthalene	91-20-3	Bird	American robin (Avian herbivore)	SOIL	7.30E-01	mg/kg
PAH	Naphthalene	91-20-3	Bird	American robin (Avian insectivore)	SOIL	2.00E-01	mg/kg
PAH	Naphthalene	91-20-3	Bird	American robin (Avian omnivore)	SOIL	3.10E-01	mg/kg
PAH	Naphthalene	91-20-3	Bird	American robin (water)	WATER	9.90E+03	µg/L
PAH	Naphthalene	91-20-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.70E-01	mg/kg
PAH	Naphthalene	91-20-3	Bird	Violet-green Swallow (water)	WATER	5.70E+03	µg/L
PAH	Naphthalene	91-20-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Naphthalene	91-20-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.10E+01	mg/kg
PAH	Naphthalene	91-20-3	Mammal	Deer mouse (water)	WATER	2.60E+04	µg/L
PAH	Naphthalene	91-20-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.10E+02	mg/kg
PAH	Naphthalene	91-20-3	Mammal	Desert cottontail (water)	WATER	5.10E+04	µg/L
PAH	Naphthalene	91-20-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.60E+01	mg/kg
PAH	Naphthalene	91-20-3	Mammal	Occult little brown myotis bat (water)	WATER	3.10E+04	µg/L
PAH	Naphthalene	91-20-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.40E+03	mg/kg
PAH	Naphthalene	91-20-3	Mammal	Red fox (water)	WATER	5.80E+04	µg/L
PAH	Naphthalene	91-20-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+01	mg/kg
PAH	Naphthalene	91-20-3	Mammal	Vagrant shrew (water)	WATER	2.20E+04	µg/L
PAH	Naphthalene	91-20-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Phenanthrene	85-01-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT	8.50E-01	mg/kg
PAH	Phenanthrene	85-01-8	Aquatic	Aquatic community organisms - water	WATER	6.30E+00	µg/L
PAH	Phenanthrene	85-01-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Phenanthrene	85-01-8	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Phenanthrene	85-01-8	Bird	American kestrel (water)	WATER		
PAH	Phenanthrene	85-01-8	Bird	American robin (Avian herbivore)	SOIL		
PAH	Phenanthrene	85-01-8	Bird	American robin (Avian insectivore)	SOIL		
PAH	Phenanthrene	85-01-8	Bird	American robin (Avian omnivore)	SOIL		
PAH	Phenanthrene	85-01-8	Bird	American robin (water)	WATER		
PAH	Phenanthrene	85-01-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Phenanthrene	85-01-8	Bird	Violet-green Swallow (water)	WATER		
PAH	Phenanthrene	85-01-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Phenanthrene	85-01-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.20E+01	mg/kg
PAH	Phenanthrene	85-01-8	Mammal	Deer mouse (water)	WATER	2.70E+05	µg/L
PAH	Phenanthrene	85-01-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	4.80E+02	mg/kg
PAH	Phenanthrene	85-01-8	Mammal	Desert cottontail (water)	WATER	5.20E+05	µg/L
PAH	Phenanthrene	85-01-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.50E+01	mg/kg
PAH	Phenanthrene	85-01-8	Mammal	Occult little brown myotis bat (water)	WATER	3.20E+05	µg/L
PAH	Phenanthrene	85-01-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.40E+04	mg/kg
PAH	Phenanthrene	85-01-8	Mammal	Red fox (water)	WATER	5.90E+05	µg/L
PAH	Phenanthrene	85-01-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.10E+01	mg/kg
PAH	Phenanthrene	85-01-8	Mammal	Vagrant shrew (water)	WATER	2.30E+05	µg/L
PAH	Phenanthrene	85-01-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PAH	Pyrene	129-00-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.70E-01	mg/kg
PAH	Pyrene	129-00-0	Aquatic	Aquatic community organisms - water	WATER	3.00E+01	µg/L
PAH	Pyrene	129-00-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PAH	Pyrene	129-00-0	Bird	American kestrel (Avian top carnivore)	SOIL		
PAH	Pyrene	129-00-0	Bird	American kestrel (water)	WATER		
PAH	Pyrene	129-00-0	Bird	American robin (Avian herbivore)	SOIL		
PAH	Pyrene	129-00-0	Bird	American robin (Avian insectivore)	SOIL		
PAH	Pyrene	129-00-0	Bird	American robin (Avian omnivore)	SOIL		
PAH	Pyrene	129-00-0	Bird	American robin (water)	WATER		
PAH	Pyrene	129-00-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PAH	Pyrene	129-00-0	Bird	Violet-green Swallow (water)	WATER		
PAH	Pyrene	129-00-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PAH	Pyrene	129-00-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.10E+01	mg/kg
PAH	Pyrene	129-00-0	Mammal	Deer mouse (water)	WATER	3.90E+04	µg/L
PAH	Pyrene	129-00-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.20E+02	mg/kg
PAH	Pyrene	129-00-0	Mammal	Desert cottontail (water)	WATER	7.70E+04	µg/L
PAH	Pyrene	129-00-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.00E+01	mg/kg
PAH	Pyrene	129-00-0	Mammal	Occult little brown myotis bat (water)	WATER	4.70E+04	µg/L
PAH	Pyrene	129-00-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.40E+02	mg/kg
PAH	Pyrene	129-00-0	Mammal	Red fox (water)	WATER	8.70E+04	µg/L
PAH	Pyrene	129-00-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.50E+01	mg/kg
PAH	Pyrene	129-00-0	Mammal	Vagrant shrew (water)	WATER	3.30E+04	µg/L
PAH	Pyrene	129-00-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PCB	Aroclor-1016	12674-11-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.00E-02	mg/kg
PCB	Aroclor-1016	12674-11-2	Aquatic	Aquatic community organisms - water	WATER	1.40E-02	µg/L
PCB	Aroclor-1016	12674-11-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
PCB	Aroclor-1016	12674-11-2	Bird	American kestrel (Avian top carnivore)	SOIL		
PCB	Aroclor-1016	12674-11-2	Bird	American kestrel (water)	WATER		
PCB	Aroclor-1016	12674-11-2	Bird	American robin (Avian herbivore)	SOIL		
PCB	Aroclor-1016	12674-11-2	Bird	American robin (Avian insectivore)	SOIL		
PCB	Aroclor-1016	12674-11-2	Bird	American robin (Avian omnivore)	SOIL		
PCB	Aroclor-1016	12674-11-2	Bird	American robin (water)	WATER		
PCB	Aroclor-1016	12674-11-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
PCB	Aroclor-1016	12674-11-2	Bird	Violet-green Swallow (water)	WATER		
PCB	Aroclor-1016	12674-11-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PCB	Aroclor-1016	12674-11-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.20E+00	mg/kg
PCB	Aroclor-1016	12674-11-2	Mammal	Deer mouse (water)	WATER	7.30E+02	µg/L
PCB	Aroclor-1016	12674-11-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.00E+01	mg/kg
PCB	Aroclor-1016	12674-11-2	Mammal	Desert cottontail (water)	WATER	1.40E+04	µg/L
PCB	Aroclor-1016	12674-11-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	6.90E+00	mg/kg
PCB	Aroclor-1016	12674-11-2	Mammal	Occult little brown myotis bat (water)	WATER	8.80E+02	µg/L
PCB	Aroclor-1016	12674-11-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	6.70E+02	mg/kg
PCB	Aroclor-1016	12674-11-2	Mammal	Red fox (water)	WATER	1.60E+04	µg/L
PCB	Aroclor-1016	12674-11-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.20E+00	mg/kg
PCB	Aroclor-1016	12674-11-2	Mammal	Vagrant shrew (water)	WATER	6.20E+02	µg/L
PCB	Aroclor-1016	12674-11-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PCB	Aroclor-1242	53469-21-9	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.10E-02	mg/kg
PCB	Aroclor-1242	53469-21-9	Aquatic	Aquatic community organisms - water	WATER	6.00E-02	µg/L
PCB	Aroclor-1242	53469-21-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.90E+00	mg/kg
PCB	Aroclor-1242	53469-21-9	Bird	American kestrel (Avian top carnivore)	SOIL	1.10E+01	mg/kg
PCB	Aroclor-1242	53469-21-9	Bird	American kestrel (water)	WATER	3.40E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Bird	American robin (Avian herbivore)	SOIL	4.40E+00	mg/kg
PCB	Aroclor-1242	53469-21-9	Bird	American robin (Avian insectivore)	SOIL	5.40E-01	mg/kg
PCB	Aroclor-1242	53469-21-9	Bird	American robin (Avian omnivore)	SOIL	9.70E-01	mg/kg
PCB	Aroclor-1242	53469-21-9	Bird	American robin (water)	WATER	2.90E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	7.40E-01	mg/kg
PCB	Aroclor-1242	53469-21-9	Bird	Violet-green Swallow (water)	WATER	1.60E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PCB	Aroclor-1242	53469-21-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.00E-01	mg/kg
PCB	Aroclor-1242	53469-21-9	Mammal	Deer mouse (water)	WATER	3.60E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.90E+00	mg/kg
PCB	Aroclor-1242	53469-21-9	Mammal	Desert cottontail (water)	WATER	7.10E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.10E-01	mg/kg
PCB	Aroclor-1242	53469-21-9	Mammal	Occult little brown myotis bat (water)	WATER	4.30E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.30E+00	mg/kg
PCB	Aroclor-1242	53469-21-9	Mammal	Red fox (water)	WATER	8.00E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E-01	mg/kg
PCB	Aroclor-1242	53469-21-9	Mammal	Vagrant shrew (water)	WATER	3.00E+02	µg/L
PCB	Aroclor-1242	53469-21-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PCB	Aroclor-1248	12672-29-6	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.10E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Aquatic	Aquatic community organisms - water	WATER	1.00E-02	µg/L
PCB	Aroclor-1248	12672-29-6	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.70E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Bird	American kestrel (Avian top carnivore)	SOIL	4.00E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Bird	American kestrel (water)	WATER	2.20E+00	µg/L
PCB	Aroclor-1248	12672-29-6	Bird	American robin (Avian herbivore)	SOIL	6.30E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Bird	American robin (Avian insectivore)	SOIL	3.00E-03	mg/kg
PCB	Aroclor-1248	12672-29-6	Bird	American robin (Avian omnivore)	SOIL	5.80E-03	mg/kg
PCB	Aroclor-1248	12672-29-6	Bird	American robin (water)	WATER	1.90E+00	µg/L
PCB	Aroclor-1248	12672-29-6	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	4.10E-03	mg/kg
PCB	Aroclor-1248	12672-29-6	Bird	Violet-green Swallow (water)	WATER	1.10E+00	µg/L
PCB	Aroclor-1248	12672-29-6	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PCB	Aroclor-1248	12672-29-6	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.00E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Mammal	Deer mouse (water)	WATER	5.20E+00	µg/L
PCB	Aroclor-1248	12672-29-6	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.30E+00	mg/kg
PCB	Aroclor-1248	12672-29-6	Mammal	Desert cottontail (water)	WATER	1.00E+00	µg/L
PCB	Aroclor-1248	12672-29-6	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.50E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+00	µg/L
PCB	Aroclor-1248	12672-29-6	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.20E-01	mg/kg
PCB	Aroclor-1248	12672-29-6	Mammal	Red fox (water)	WATER	1.10E+00	µg/L
PCB	Aroclor-1248	12672-29-6	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.00E-02	mg/kg
PCB	Aroclor-1248	12672-29-6	Mammal	Vagrant shrew (water)	WATER	4.40E+00	µg/L
PCB	Aroclor-1248	12672-29-6	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PCB	Aroclor-1254	11097-69-1	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.10E-02	mg/kg
PCB	Aroclor-1254	11097-69-1	Aquatic	Aquatic community organisms - water	WATER	2.00E-02	µg/L
PCB	Aroclor-1254	11097-69-1	Bird	American kestrel (Avian intermediate carnivore)	SOIL	7.90E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Bird	American kestrel (Avian top carnivore)	SOIL	9.10E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Bird	American kestrel (water)	WATER	1.50E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Bird	American robin (Avian herbivore)	SOIL	4.50E+00	mg/kg
PCB	Aroclor-1254	11097-69-1	Bird	American robin (Avian insectivore)	SOIL	1.90E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Bird	American robin (Avian omnivore)	SOIL	3.70E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Bird	American robin (water)	WATER	1.20E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.60E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Bird	Violet-green Swallow (water)	WATER	7.40E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PCB	Aroclor-1254	11097-69-1	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.60E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Mammal	Deer mouse (water)	WATER	3.50E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.00E+00	mg/kg
PCB	Aroclor-1254	11097-69-1	Mammal	Desert cottontail (water)	WATER	7.00E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.60E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Mammal	Occult little brown myotis bat (water)	WATER	4.20E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.50E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Mammal	Red fox (water)	WATER	7.90E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E-01	mg/kg
PCB	Aroclor-1254	11097-69-1	Mammal	Vagrant shrew (water)	WATER	3.00E+02	µg/L
PCB	Aroclor-1254	11097-69-1	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+00	mg/kg
PCB	Aroclor-1260	11096-82-5	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.10E-02	mg/kg
PCB	Aroclor-1260	11096-82-5	Aquatic	Aquatic community organisms - water	WATER	1.00E+00	µg/L
PCB	Aroclor-1260	11096-82-5	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.90E-01	mg/kg
PCB	Aroclor-1260	11096-82-5	Bird	American kestrel (Avian top carnivore)	SOIL	2.00E-01	mg/kg
PCB	Aroclor-1260	11096-82-5	Bird	American kestrel (water)	WATER	3.90E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Bird	American robin (Avian herbivore)	SOIL	1.20E+00	mg/kg
PCB	Aroclor-1260	11096-82-5	Bird	American robin (Avian insectivore)	SOIL	5.00E-02	mg/kg
PCB	Aroclor-1260	11096-82-5	Bird	American robin (Avian omnivore)	SOIL	9.60E-02	mg/kg
PCB	Aroclor-1260	11096-82-5	Bird	American robin (water)	WATER	3.30E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	6.80E-02	mg/kg
PCB	Aroclor-1260	11096-82-5	Bird	Violet-green Swallow (water)	WATER	1.90E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PCB	Aroclor-1260	11096-82-5	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.50E-01	mg/kg
PCB	Aroclor-1260	11096-82-5	Mammal	Deer mouse (water)	WATER	2.10E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.20E+00	mg/kg
PCB	Aroclor-1260	11096-82-5	Mammal	Desert cottontail (water)	WATER	4.10E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	9.70E-02	mg/kg
PCB	Aroclor-1260	11096-82-5	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.70E-01	mg/kg
PCB	Aroclor-1260	11096-82-5	Mammal	Red fox (water)	WATER	4.60E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.50E-02	mg/kg
PCB	Aroclor-1260	11096-82-5	Mammal	Vagrant shrew (water)	WATER	1.70E+02	µg/L
PCB	Aroclor-1260	11096-82-5	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	BHC[beta-]	319-85-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.40E-01	mg/kg
PEST	BHC[beta-]	319-85-7	Aquatic	Aquatic community organisms - water	WATER	2.40E+00	µg/L
PEST	BHC[beta-]	319-85-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.80E+02	mg/kg
PEST	BHC[beta-]	319-85-7	Bird	American kestrel (Avian top carnivore)	SOIL	1.40E+04	mg/kg
PEST	BHC[beta-]	319-85-7	Bird	American kestrel (water)	WATER	3.10E+05	µg/L
PEST	BHC[beta-]	319-85-7	Bird	American robin (Avian herbivore)	SOIL	3.10E+02	mg/kg
PEST	BHC[beta-]	319-85-7	Bird	American robin (Avian insectivore)	SOIL	5.20E+01	mg/kg
PEST	BHC[beta-]	319-85-7	Bird	American robin (Avian omnivore)	SOIL	9.00E+01	mg/kg
PEST	BHC[beta-]	319-85-7	Bird	American robin (water)	WATER	2.70E+05	µg/L
PEST	BHC[beta-]	319-85-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	7.20E+01	mg/kg
PEST	BHC[beta-]	319-85-7	Bird	Violet-green Swallow (water)	WATER	1.50E+05	µg/L
PEST	BHC[beta-]	319-85-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	BHC[beta-]	319-85-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.70E+00	mg/kg
PEST	BHC[beta-]	319-85-7	Mammal	Deer mouse (water)	WATER	2.10E+02	µg/L
PEST	BHC[beta-]	319-85-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.60E+01	mg/kg
PEST	BHC[beta-]	319-85-7	Mammal	Desert cottontail (water)	WATER	4.10E+02	µg/L
PEST	BHC[beta-]	319-85-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.20E+00	mg/kg
PEST	BHC[beta-]	319-85-7	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+02	µg/L
PEST	BHC[beta-]	319-85-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.30E+01	mg/kg
PEST	BHC[beta-]	319-85-7	Mammal	Red fox (water)	WATER	4.60E+02	µg/L
PEST	BHC[beta-]	319-85-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	9.70E-01	mg/kg
PEST	BHC[beta-]	319-85-7	Mammal	Vagrant shrew (water)	WATER	1.70E+02	µg/L
PEST	BHC[beta-]	319-85-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	BHC[gamma-]	58-89-9	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.80E-03	mg/kg
PEST	BHC[gamma-]	58-89-9	Aquatic	Aquatic community organisms - water	WATER	8.00E-02	µg/L
PEST	BHC[gamma-]	58-89-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL	5.60E+00	mg/kg
PEST	BHC[gamma-]	58-89-9	Bird	American kestrel (Avian top carnivore)	SOIL	2.10E+01	mg/kg
PEST	BHC[gamma-]	58-89-9	Bird	American kestrel (water)	WATER	4.60E+02	µg/L
PEST	BHC[gamma-]	58-89-9	Bird	American robin (Avian herbivore)	SOIL	4.30E+00	mg/kg
PEST	BHC[gamma-]	58-89-9	Bird	American robin (Avian insectivore)	SOIL	7.70E-01	mg/kg
PEST	BHC[gamma-]	58-89-9	Bird	American robin (Avian omnivore)	SOIL	1.30E+00	mg/kg
PEST	BHC[gamma-]	58-89-9	Bird	American robin (water)	WATER	4.00E+02	µg/L
PEST	BHC[gamma-]	58-89-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.00E+00	mg/kg
PEST	BHC[gamma-]	58-89-9	Bird	Violet-green Swallow (water)	WATER	2.30E+02	µg/L
PEST	BHC[gamma-]	58-89-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	BHC[gamma-]	58-89-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.10E-02	mg/kg
PEST	BHC[gamma-]	58-89-9	Mammal	Deer mouse (water)	WATER	7.30E+01	µg/L
PEST	BHC[gamma-]	58-89-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	5.10E-01	mg/kg
PEST	BHC[gamma-]	58-89-9	Mammal	Desert cottontail (water)	WATER	1.40E+02	µg/L
PEST	BHC[gamma-]	58-89-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.50E-02	mg/kg
PEST	BHC[gamma-]	58-89-9	Mammal	Occult little brown myotis bat (water)	WATER	8.80E+01	µg/L
PEST	BHC[gamma-]	58-89-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	8.50E+00	mg/kg
PEST	BHC[gamma-]	58-89-9	Mammal	Red fox (water)	WATER	1.60E+02	µg/L
PEST	BHC[gamma-]	58-89-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.40E-02	mg/kg
PEST	BHC[gamma-]	58-89-9	Mammal	Vagrant shrew (water)	WATER	6.20E+01	µg/L
PEST	BHC[gamma-]	58-89-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E-01	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.00E-04	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Aquatic	Aquatic community organisms - water	WATER	4.30E-03	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL	6.30E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Bird	American kestrel (Avian top carnivore)	SOIL	5.30E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Bird	American kestrel (water)	WATER	1.70E+04	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Bird	American robin (Avian herbivore)	SOIL	5.50E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Bird	American robin (Avian insectivore)	SOIL	2.10E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Bird	American robin (Avian omnivore)	SOIL	4.20E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Bird	American robin (water)	WATER	1.50E+04	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.90E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Bird	Violet-green Swallow (water)	WATER	8.60E+03	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.30E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Deer mouse (water)	WATER	5.10E+03	µg/L

Supplemental Table L.5
Ecorisk Database Ecological Screening Levels (ESLs) (Version 1.2)

Analyte Group	Analyte Name	Analyte Code	ESL Receptor Group	ESL Receptor	ESL Medium	ESL	ESL Units
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.80E+02	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Desert cottontail (water)	WATER	1.20E+04	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.80E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Occult little brown myotis bat (water)	WATER	7.30E+03	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	6.50E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Red fox (water)	WATER	1.30E+04	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.10E+00	mg/kg
PEST	Chlordane[alpha-]	5103-71-9	Mammal	Vagrant shrew (water)	WATER	5.20E+03	µg/L
PEST	Chlordane[alpha-]	5103-71-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.20E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.00E-04	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Aquatic	Aquatic community organisms - water	WATER	4.30E-03	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL	6.30E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Bird	American kestrel (Avian top carnivore)	SOIL	5.30E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Bird	American kestrel (water)	WATER	1.70E+04	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Bird	American robin (Avian herbivore)	SOIL	5.50E+01	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Bird	American robin (Avian insectivore)	SOIL	2.10E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Bird	American robin (Avian omnivore)	SOIL	4.20E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Bird	American robin (water)	WATER	1.50E+04	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.90E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Bird	Violet-green Swallow (water)	WATER	8.60E+03	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.30E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Deer mouse (water)	WATER	6.10E+03	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.80E+02	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Desert cottontail (water)	WATER	1.20E+04	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.80E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Occult little brown myotis bat (water)	WATER	7.30E+03	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	6.50E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Red fox (water)	WATER	1.30E+04	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.10E+00	mg/kg
PEST	Chlordane[gamma-]	5103-74-2	Mammal	Vagrant shrew (water)	WATER	5.20E+03	µg/L
PEST	Chlordane[gamma-]	5103-74-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.20E+00	mg/kg
PEST	DDE[4,4'-]	72-55-9	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.20E-03	mg/kg
PEST	DDE[4,4'-]	72-55-9	Aquatic	Aquatic community organisms - water	WATER	1.00E+02	µg/L
PEST	DDE[4,4'-]	72-55-9	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.00E-02	mg/kg
PEST	DDE[4,4'-]	72-55-9	Bird	American kestrel (Avian top carnivore)	SOIL	1.80E-02	mg/kg
PEST	DDE[4,4'-]	72-55-9	Bird	American kestrel (water)	WATER	1.80E+03	µg/L
PEST	DDE[4,4'-]	72-55-9	Bird	American robin (Avian herbivore)	SOIL	6.10E-02	mg/kg
PEST	DDE[4,4'-]	72-55-9	Bird	American robin (Avian insectivore)	SOIL	2.20E-02	mg/kg
PEST	DDE[4,4'-]	72-55-9	Bird	American robin (Avian omnivore)	SOIL	4.30E-02	mg/kg
PEST	DDE[4,4'-]	72-55-9	Bird	American robin (water)	WATER	1.60E+03	µg/L
PEST	DDE[4,4'-]	72-55-9	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	3.00E-02	mg/kg
PEST	DDE[4,4'-]	72-55-9	Bird	Violet-green Swallow (water)	WATER	9.20E+00	µg/L
PEST	DDE[4,4'-]	72-55-9	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	DDE[4,4'-]	72-55-9	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.50E+01	mg/kg
PEST	DDE[4,4'-]	72-55-9	Mammal	Deer mouse (water)	WATER	5.20E+04	µg/L
PEST	DDE[4,4'-]	72-55-9	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.70E+02	mg/kg
PEST	DDE[4,4'-]	72-55-9	Mammal	Desert cottontail (water)	WATER	1.00E+05	µg/L
PEST	DDE[4,4'-]	72-55-9	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.20E+01	mg/kg
PEST	DDE[4,4'-]	72-55-9	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+04	µg/L
PEST	DDE[4,4'-]	72-55-9	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.80E+01	mg/kg
PEST	DDE[4,4'-]	72-55-9	Mammal	Red fox (water)	WATER	1.10E+05	µg/L
PEST	DDE[4,4'-]	72-55-9	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.70E+01	mg/kg
PEST	DDE[4,4'-]	72-55-9	Mammal	Vagrant shrew (water)	WATER	4.40E+04	µg/L
PEST	DDE[4,4'-]	72-55-9	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	DDT[4,4'-]	50-29-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.50E-03	mg/kg
PEST	DDT[4,4'-]	50-29-3	Aquatic	Aquatic community organisms - water	WATER	6.00E-02	µg/L
PEST	DDT[4,4'-]	50-29-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL	5.90E-03	mg/kg
PEST	DDT[4,4'-]	50-29-3	Bird	American kestrel (Avian top carnivore)	SOIL	4.20E-03	mg/kg
PEST	DDT[4,4'-]	50-29-3	Bird	American kestrel (water)	WATER	2.30E+01	µg/L
PEST	DDT[4,4'-]	50-29-3	Bird	American robin (Avian herbivore)	SOIL	7.50E-02	mg/kg
PEST	DDT[4,4'-]	50-29-3	Bird	American robin (Avian insectivore)	SOIL	2.80E-03	mg/kg
PEST	DDT[4,4'-]	50-29-3	Bird	American robin (Avian omnivore)	SOIL	5.50E-03	mg/kg
PEST	DDT[4,4'-]	50-29-3	Bird	American robin (water)	WATER	2.00E+01	µg/L
PEST	DDT[4,4'-]	50-29-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	3.80E-03	mg/kg
PEST	DDT[4,4'-]	50-29-3	Bird	Violet-green Swallow (water)	WATER	1.10E+01	µg/L
PEST	DDT[4,4'-]	50-29-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	DDT[4,4'-]	50-29-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.90E+00	mg/kg
PEST	DDT[4,4'-]	50-29-3	Mammal	Deer mouse (water)	WATER	4.20E+03	µg/L
PEST	DDT[4,4'-]	50-29-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.80E+02	mg/kg
PEST	DDT[4,4'-]	50-29-3	Mammal	Desert cottontail (water)	WATER	8.20E+03	µg/L
PEST	DDT[4,4'-]	50-29-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.80E+00	mg/kg
PEST	DDT[4,4'-]	50-29-3	Mammal	Occult little brown myotis bat (water)	WATER	5.00E+03	µg/L
PEST	DDT[4,4'-]	50-29-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.60E+00	mg/kg
PEST	DDT[4,4'-]	50-29-3	Mammal	Red fox (water)	WATER	9.30E+03	µg/L
PEST	DDT[4,4'-]	50-29-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.40E+00	mg/kg
PEST	DDT[4,4'-]	50-29-3	Mammal	Vagrant shrew (water)	WATER	3.50E+03	µg/L
PEST	DDT[4,4'-]	50-29-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	Dieldrin	60-57-1	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.20E-03	mg/kg
PEST	Dieldrin	60-57-1	Aquatic	Aquatic community organisms - water	WATER	5.60E-02	µg/L
PEST	Dieldrin	60-57-1	Bird	American kestrel (Avian intermediate carnivore)	SOIL	5.60E-01	mg/kg
PEST	Dieldrin	60-57-1	Bird	American kestrel (Avian top carnivore)	SOIL	1.90E+00	mg/kg
PEST	Dieldrin	60-57-1	Bird	American kestrel (water)	WATER	6.40E+02	µg/L
PEST	Dieldrin	60-57-1	Bird	American robin (Avian herbivore)	SOIL	1.60E+00	mg/kg
PEST	Dieldrin	60-57-1	Bird	American robin (Avian insectivore)	SOIL	8.90E-02	mg/kg
PEST	Dieldrin	60-57-1	Bird	American robin (Avian omnivore)	SOIL	1.60E-01	mg/kg
PEST	Dieldrin	60-57-1	Bird	American robin (water)	WATER	5.50E+02	µg/L
PEST	Dieldrin	60-57-1	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.20E-01	mg/kg
PEST	Dieldrin	60-57-1	Bird	Violet-green Swallow (water)	WATER	3.10E+02	µg/L
PEST	Dieldrin	60-57-1	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Dieldrin	60-57-1	Mammal	Deer mouse (Mammalian omnivore)	SOIL	8.20E-02	mg/kg
PEST	Dieldrin	60-57-1	Mammal	Deer mouse (water)	WATER	1.00E+02	µg/L
PEST	Dieldrin	60-57-1	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.90E+00	mg/kg
PEST	Dieldrin	60-57-1	Mammal	Desert cottontail (water)	WATER	2.00E+02	µg/L
PEST	Dieldrin	60-57-1	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.30E-02	mg/kg
PEST	Dieldrin	60-57-1	Mammal	Occult little brown myotis bat (water)	WATER	1.20E+02	µg/L
PEST	Dieldrin	60-57-1	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.10E+00	mg/kg
PEST	Dieldrin	60-57-1	Mammal	Red fox (water)	WATER	2.30E+02	µg/L
PEST	Dieldrin	60-57-1	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	4.10E-02	mg/kg
PEST	Dieldrin	60-57-1	Mammal	Vagrant shrew (water)	WATER	8.90E+01	µg/L
PEST	Dieldrin	60-57-1	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+01	mg/kg
PEST	Endosulfan	115-29-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	6.00E-03	mg/kg
PEST	Endosulfan	115-29-7	Aquatic	Aquatic community organisms - water	WATER	5.60E-02	µg/L
PEST	Endosulfan	115-29-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL	9.60E+01	mg/kg
PEST	Endosulfan	115-29-7	Bird	American kestrel (Avian top carnivore)	SOIL	2.80E+02	mg/kg
PEST	Endosulfan	115-29-7	Bird	American kestrel (water)	WATER	8.30E+04	µg/L
PEST	Endosulfan	115-29-7	Bird	American robin (Avian herbivore)	SOIL	1.00E+02	mg/kg
PEST	Endosulfan	115-29-7	Bird	American robin (Avian insectivore)	SOIL	1.30E+01	mg/kg
PEST	Endosulfan	115-29-7	Bird	American robin (Avian omnivore)	SOIL	2.30E+01	mg/kg
PEST	Endosulfan	115-29-7	Bird	American robin (water)	WATER	7.10E+04	µg/L
PEST	Endosulfan	115-29-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.80E+01	mg/kg
PEST	Endosulfan	115-29-7	Bird	Violet-green Swallow (water)	WATER	4.10E+04	µg/L
PEST	Endosulfan	115-29-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Endosulfan	115-29-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.60E+00	mg/kg
PEST	Endosulfan	115-29-7	Mammal	Deer mouse (water)	WATER	7.80E+03	µg/L
PEST	Endosulfan	115-29-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.50E+01	mg/kg
PEST	Endosulfan	115-29-7	Mammal	Desert cottontail (water)	WATER	1.50E+04	µg/L
PEST	Endosulfan	115-29-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.60E+00	mg/kg
PEST	Endosulfan	115-29-7	Mammal	Occult little brown myotis bat (water)	WATER	9.40E+03	µg/L
PEST	Endosulfan	115-29-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.30E+01	mg/kg
PEST	Endosulfan	115-29-7	Mammal	Red fox (water)	WATER	1.70E+04	µg/L
PEST	Endosulfan	115-29-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.50E+00	mg/kg
PEST	Endosulfan	115-29-7	Mammal	Vagrant shrew (water)	WATER	6.70E+03	µg/L
PEST	Endosulfan	115-29-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	Endrin	72-20-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.00E-02	mg/kg
PEST	Endrin	72-20-8	Aquatic	Aquatic community organisms - water	WATER	2.60E-02	µg/L
PEST	Endrin	72-20-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL	8.10E-02	mg/kg
PEST	Endrin	72-20-8	Bird	American kestrel (Avian top carnivore)	SOIL	5.20E-01	mg/kg
PEST	Endrin	72-20-8	Bird	American kestrel (water)	WATER	8.30E+02	µg/L
PEST	Endrin	72-20-8	Bird	American robin (Avian herbivore)	SOIL	1.90E-01	mg/kg
PEST	Endrin	72-20-8	Bird	American robin (Avian insectivore)	SOIL	1.20E-02	mg/kg
PEST	Endrin	72-20-8	Bird	American robin (Avian omnivore)	SOIL	2.20E-02	mg/kg
PEST	Endrin	72-20-8	Bird	American robin (water)	WATER	7.10E+02	µg/L
PEST	Endrin	72-20-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.60E-02	mg/kg
PEST	Endrin	72-20-8	Bird	Violet-green Swallow (water)	WATER	4.10E+02	µg/L
PEST	Endrin	72-20-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Endrin	72-20-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.80E-01	mg/kg
PEST	Endrin	72-20-8	Mammal	Deer mouse (water)	WATER	4.80E+02	µg/L
PEST	Endrin	72-20-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.40E+01	mg/kg
PEST	Endrin	72-20-8	Mammal	Desert cottontail (water)	WATER	9.40E+02	µg/L
PEST	Endrin	72-20-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.50E-01	mg/kg
PEST	Endrin	72-20-8	Mammal	Occult little brown myotis bat (water)	WATER	5.70E+02	µg/L
PEST	Endrin	72-20-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.00E+01	mg/kg
PEST	Endrin	72-20-8	Mammal	Red fox (water)	WATER	1.00E+03	µg/L
PEST	Endrin	72-20-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.90E-01	mg/kg
PEST	Endrin	72-20-8	Mammal	Vagrant shrew (water)	WATER	4.10E+02	µg/L
PEST	Endrin	72-20-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.40E-02	mg/kg
PEST	Heptachlor	76-44-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.00E-02	mg/kg
PEST	Heptachlor	76-44-8	Aquatic	Aquatic community organisms - water	WATER	2.90E-02	µg/L
PEST	Heptachlor	76-44-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL	3.00E+00	mg/kg
PEST	Heptachlor	76-44-8	Bird	American kestrel (Avian top carnivore)	SOIL	2.70E+00	mg/kg
PEST	Heptachlor	76-44-8	Bird	American kestrel (water)	WATER	7.60E+03	µg/L
PEST	Heptachlor	76-44-8	Bird	American robin (Avian herbivore)	SOIL	2.40E+01	mg/kg
PEST	Heptachlor	76-44-8	Bird	American robin (Avian insectivore)	SOIL	9.60E-01	mg/kg
PEST	Heptachlor	76-44-8	Bird	American robin (Avian omnivore)	SOIL	1.80E+00	mg/kg
PEST	Heptachlor	76-44-8	Bird	American robin (water)	WATER	6.50E+03	µg/L
PEST	Heptachlor	76-44-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.30E+00	mg/kg
PEST	Heptachlor	76-44-8	Bird	Violet-green Swallow (water)	WATER	3.80E+03	µg/L
PEST	Heptachlor	76-44-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Heptachlor	76-44-8	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.70E-01	mg/kg
PEST	Heptachlor	76-44-8	Mammal	Deer mouse (water)	WATER	5.20E+02	µg/L
PEST	Heptachlor	76-44-8	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.20E+01	mg/kg
PEST	Heptachlor	76-44-8	Mammal	Desert cottontail (water)	WATER	1.00E+03	µg/L
PEST	Heptachlor	76-44-8	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.40E-01	mg/kg
PEST	Heptachlor	76-44-8	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+02	µg/L
PEST	Heptachlor	76-44-8	Mammal	Red fox (Mammalian top carnivore)	SOIL	6.40E-01	mg/kg
PEST	Heptachlor	76-44-8	Mammal	Red fox (water)	WATER	1.10E+03	µg/L
PEST	Heptachlor	76-44-8	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.80E-01	mg/kg
PEST	Heptachlor	76-44-8	Mammal	Vagrant shrew (water)	WATER	4.40E+02	µg/L
PEST	Heptachlor	76-44-8	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	4.00E-01	mg/kg
PEST	Kepone	143-50-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
PEST	Kepone	143-50-0	Aquatic	Aquatic community organisms - water	WATER		
PEST	Kepone	143-50-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL	6.30E+01	mg/kg
PEST	Kepone	143-50-0	Bird	American kestrel (Avian top carnivore)	SOIL	2.50E+01	mg/kg
PEST	Kepone	143-50-0	Bird	American kestrel (water)	WATER	7.00E+04	µg/L
PEST	Kepone	143-50-0	Bird	American robin (Avian herbivore)	SOIL	1.80E+02	mg/kg
PEST	Kepone	143-50-0	Bird	American robin (Avian insectivore)	SOIL	9.90E+00	mg/kg
PEST	Kepone	143-50-0	Bird	American robin (Avian omnivore)	SOIL	1.80E+01	mg/kg
PEST	Kepone	143-50-0	Bird	American robin (water)	WATER	6.00E+04	µg/L
PEST	Kepone	143-50-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.30E+01	mg/kg
PEST	Kepone	143-50-0	Bird	Violet-green Swallow (water)	WATER	3.50E+04	µg/L
PEST	Kepone	143-50-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Kepone	143-50-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.30E-01	mg/kg
PEST	Kepone	143-50-0	Mammal	Deer mouse (water)	WATER	4.20E+02	µg/L
PEST	Kepone	143-50-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.40E+01	mg/kg
PEST	Kepone	143-50-0	Mammal	Desert cottontail (water)	WATER	8.20E+02	µg/L
PEST	Kepone	143-50-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.10E-01	mg/kg
PEST	Kepone	143-50-0	Mammal	Occult little brown myotis bat (water)	WATER	5.00E+02	µg/L
PEST	Kepone	143-50-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.10E+00	mg/kg
PEST	Kepone	143-50-0	Mammal	Red fox (water)	WATER	9.30E+02	µg/L
PEST	Kepone	143-50-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E-01	mg/kg
PEST	Kepone	143-50-0	Mammal	Vagrant shrew (water)	WATER	3.50E+02	µg/L
PEST	Kepone	143-50-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	Methoxychlor[4,4'-]	72-43-5	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.00E-02	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Aquatic	Aquatic community organisms - water	WATER	3.00E-02	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American kestrel (Avian intermediate carnivore)	SOIL	1.60E+02	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American kestrel (Avian top carnivore)	SOIL	1.00E+03	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American kestrel (water)	WATER	1.60E+05	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American robin (Avian herbivore)	SOIL	3.90E+02	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American robin (Avian insectivore)	SOIL	2.30E+01	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American robin (Avian omnivore)	SOIL	4.50E+01	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	American robin (water)	WATER	1.40E+05	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	3.20E+01	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Bird	Violet-green Swallow (water)	WATER	8.20E+04	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.60E+01	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Deer mouse (water)	WATER	2.10E+04	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	6.20E+02	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Desert cottontail (water)	WATER	4.10E+04	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.10E+01	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+04	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.20E+02	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Red fox (water)	WATER	4.60E+04	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	8.40E+00	mg/kg
PEST	Methoxychlor[4,4'-]	72-43-5	Mammal	Vagrant shrew (water)	WATER	1.70E+04	µg/L
PEST	Methoxychlor[4,4'-]	72-43-5	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
PEST	Toxaphene (Technical Grade)	8001-35-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.10E-04	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Aquatic	Aquatic community organisms - water	WATER	2.00E-04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL	5.80E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American kestrel (Avian top carnivore)	SOIL	1.80E+02	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American kestrel (water)	WATER	8.30E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American robin (Avian herbivore)	SOIL	2.20E+02	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American robin (Avian insectivore)	SOIL	1.10E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American robin (Avian omnivore)	SOIL	2.10E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	American robin (water)	WATER	7.10E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.50E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Bird	Violet-green Swallow (water)	WATER	4.10E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.20E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Deer mouse (water)	WATER	4.20E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.70E+03	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Desert cottontail (water)	WATER	8.20E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.00E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Occult little brown myotis bat (water)	WATER	5.00E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.20E+02	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Red fox (water)	WATER	9.30E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.60E+01	mg/kg
PEST	Toxaphene (Technical Grade)	8001-35-2	Mammal	Vagrant shrew (water)	WATER	3.50E+04	µg/L
PEST	Toxaphene (Technical Grade)	8001-35-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Benzoic Acid	65-85-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT	6.50E-02	mg/kg
SVOC	Benzoic Acid	65-85-0	Aquatic	Aquatic community organisms - water	WATER	4.10E+02	µg/L
SVOC	Benzoic Acid	65-85-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
SVOC	Benzoic Acid	65-85-0	Bird	American kestrel (Avian top carnivore)	SOIL		
SVOC	Benzoic Acid	65-85-0	Bird	American kestrel (water)	WATER		
SVOC	Benzoic Acid	65-85-0	Bird	American robin (Avian herbivore)	SOIL		
SVOC	Benzoic Acid	65-85-0	Bird	American robin (Avian insectivore)	SOIL		
SVOC	Benzoic Acid	65-85-0	Bird	American robin (Avian omnivore)	SOIL		
SVOC	Benzoic Acid	65-85-0	Bird	American robin (water)	WATER		
SVOC	Benzoic Acid	65-85-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
SVOC	Benzoic Acid	65-85-0	Bird	Violet-green Swallow (water)	WATER		
SVOC	Benzoic Acid	65-85-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
SVOC	Benzoic Acid	65-85-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	8.20E+00	mg/kg
SVOC	Benzoic Acid	65-85-0	Mammal	Deer mouse (water)	WATER	2.10E+04	µg/L
SVOC	Benzoic Acid	65-85-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.30E+02	mg/kg
SVOC	Benzoic Acid	65-85-0	Mammal	Desert cottontail (water)	WATER	4.10E+04	µg/L
SVOC	Benzoic Acid	65-85-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.50E+01	mg/kg
SVOC	Benzoic Acid	65-85-0	Mammal	Occult little brown myotis bat (water)	WATER	2.50E+04	µg/L
SVOC	Benzoic Acid	65-85-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.90E+02	mg/kg
SVOC	Benzoic Acid	65-85-0	Mammal	Red fox (water)	WATER	4.60E+04	µg/L
SVOC	Benzoic Acid	65-85-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.20E+01	mg/kg
SVOC	Benzoic Acid	65-85-0	Mammal	Vagrant shrew (water)	WATER	1.70E+04	µg/L
SVOC	Benzoic Acid	65-85-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Aquatic	Aquatic community organisms - water	WATER	3.20E+02	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL	4.50E-01	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American kestrel (Avian top carnivore)	SOIL	2.40E-01	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American kestrel (water)	WATER	9.10E+02	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American robin (Avian herbivore)	SOIL	3.00E+01	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American robin (Avian insectivore)	SOIL	1.00E+00	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American robin (Avian omnivore)	SOIL	1.90E+00	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	American robin (water)	WATER	7.80E+02	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.30E+00	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Bird	Violet-green Swallow (water)	WATER	4.50E+02	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.00E+01	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Deer mouse (water)	WATER	9.40E+04	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.30E+02	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Desert cottontail (water)	WATER	1.80E+05	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.80E+01	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Occult little brown myotis bat (water)	WATER	1.10E+05	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	8.70E+00	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Red fox (water)	WATER	2.00E+05	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.90E+01	mg/kg
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Mammal	Vagrant shrew (water)	WATER	8.00E+04	µg/L
SVOC	Bis(2-ethylhexyl)phthalate	117-81-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.10E+01	mg/kg
SVOC	Butyl Benzyl Phthalate	85-68-7	Aquatic	Aquatic community organisms - water	WATER	1.90E+01	µg/L
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American kestrel (Avian top carnivore)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American kestrel (water)	WATER		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American robin (Avian herbivore)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American robin (Avian insectivore)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American robin (Avian omnivore)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	American robin (water)	WATER		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
SVOC	Butyl Benzyl Phthalate	85-68-7	Bird	Violet-green Swallow (water)	WATER		
SVOC	Butyl Benzyl Phthalate	85-68-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.80E+02	mg/kg
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Deer mouse (water)	WATER	8.30E+05	µg/L
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.90E+04	mg/kg
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Desert cottontail (water)	WATER	1.60E+06	µg/L
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.50E+02	mg/kg
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Occult little brown myotis bat (water)	WATER	1.00E+06	µg/L
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.70E+04	mg/kg
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Red fox (water)	WATER	1.80E+06	µg/L
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.40E+02	mg/kg
SVOC	Butyl Benzyl Phthalate	85-68-7	Mammal	Vagrant shrew (water)	WATER	7.10E+05	µg/L
SVOC	Butyl Benzyl Phthalate	85-68-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
SVOC	Carbazole	86-74-8	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
SVOC	Carbazole	86-74-8	Aquatic	Aquatic community organisms - water	WATER		
SVOC	Carbazole	86-74-8	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
SVOC	Carbazole	86-74-8	Bird	American kestrel (Avian top carnivore)	SOIL		
SVOC	Carbazole	86-74-8	Bird	American kestrel (water)	WATER		
SVOC	Carbazole	86-74-8	Bird	American robin (Avian herbivore)	SOIL		
SVOC	Carbazole	86-74-8	Bird	American robin (Avian insectivore)	SOIL		
SVOC	Carbazole	86-74-8	Bird	American robin (Avian omnivore)	SOIL		
SVOC	Carbazole	86-74-8	Bird	American robin (water)	WATER		
SVOC	Carbazole	86-74-8	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
SVOC	Carbazole	86-74-8	Bird	Violet-green Swallow (water)	WATER		
SVOC	Carbazole	86-74-8	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		

Supplementary Table S1

Results of screening for genes encoding secretory proteins (SPs) in Arabidopsis [1-12]

	Locus Identifier	Length (aa)	Signal Peptide (aa)	SP Prediction	Cell Wall Proteome	Cell Wall Proteome
1	AT1G01040	1281	26	DNA helicase CHR1 (CHR1)		
2	AT1G01060	384	24	Protein LHY (LHY)		
3	AT1G01080	1000	24	Protein BZR1 homologs 1 (BES1)		
4	AT1G01090	1000	24	Protein BZR1 homologs 2 (BES1)		
5	AT1G01120	1000	24	Protein BZR1 homologs 3 (BES1)		
6	AT1G01160	1000	24	Protein BZR1 homologs 4 (BES1)		
7	AT1G01200	1000	24	Protein BZR1 homologs 5 (BES1)		
8	AT1G01230	1000	24	Protein BZR1 homologs 6 (BES1)		
9	AT1G01240	1000	24	Protein BZR1 homologs 7 (BES1)		
10	AT1G01260	1000	24	Protein BZR1 homologs 8 (BES1)		
11	AT1G01270	1000	24	Protein BZR1 homologs 9 (BES1)		
12	AT1G01280	1000	24	Protein BZR1 homologs 10 (BES1)		
13	AT1G01300	1000	24	Protein BZR1 homologs 11 (BES1)		
14	AT1G01310	1000	24	Protein BZR1 homologs 12 (BES1)		
15	AT1G01320	1000	24	Protein BZR1 homologs

Supplemental Table L.5
Ecorisk Database Ecological Screening Levels (ESLs) (Version 1.2)

Analyte Group	Analyte Name	Analyte Code	ESL Receptor Group	ESL Receptor	ESL Medium	ESL	ESL Units
VOC	Chloroform	67-66-3	Bird	Violet-green Swallow (water)	WATER		
VOC	Chloroform	67-66-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Chloroform	67-66-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.20E+02	mg/kg
VOC	Chloroform	67-66-3	Mammal	Deer mouse (water)	WATER	7.80E+04	µg/L
VOC	Chloroform	67-66-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.30E+02	mg/kg
VOC	Chloroform	67-66-3	Mammal	Desert cottontail (water)	WATER	1.50E+05	µg/L
VOC	Chloroform	67-66-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.90E+01	mg/kg
VOC	Chloroform	67-66-3	Mammal	Occult little brown myotis bat (water)	WATER	9.40E+04	µg/L
VOC	Chloroform	67-66-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.10E+04	mg/kg
VOC	Chloroform	67-66-3	Mammal	Red fox (water)	WATER	1.70E+05	µg/L
VOC	Chloroform	67-66-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	4.40E+01	mg/kg
VOC	Chloroform	67-66-3	Mammal	Vagrant shrew (water)	WATER	6.70E+04	µg/L
VOC	Chloroform	67-66-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Dichlorobenzene[1,4-]	106-46-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.20E-01	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Aquatic	Aquatic community organisms - water	WATER	1.40E+01	µg/L
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American kestrel (water)	WATER		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American robin (Avian herbivore)	SOIL		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American robin (Avian insectivore)	SOIL		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American robin (Avian omnivore)	SOIL		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	American robin (water)	WATER		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Dichlorobenzene[1,4-]	106-46-7	Bird	Violet-green Swallow (water)	WATER		
VOC	Dichlorobenzene[1,4-]	106-46-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.20E+01	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	1.00E+01	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Deer mouse (water)	WATER	1.30E+04	µg/L
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	5.20E+01	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Desert cottontail (water)	WATER	2.50E+04	µg/L
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	6.20E+02	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Occult little brown myotis bat (water)	WATER	1.50E+04	µg/L
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.60E+03	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Red fox (water)	WATER	2.90E+04	µg/L
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	6.30E+00	mg/kg
VOC	Dichlorobenzene[1,4-]	106-46-7	Mammal	Vagrant shrew (water)	WATER	1.10E+04	µg/L
VOC	Dichlorobenzene[1,4-]	106-46-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.70E-02	mg/kg
VOC	Dichloroethane[1,1-]	75-34-3	Aquatic	Aquatic community organisms - water	WATER	4.60E+01	µg/L
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American kestrel (water)	WATER		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American robin (Avian herbivore)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American robin (Avian insectivore)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American robin (Avian omnivore)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	American robin (water)	WATER		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Dichloroethane[1,1-]	75-34-3	Bird	Violet-green Swallow (water)	WATER		
VOC	Dichloroethane[1,1-]	75-34-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	7.30E+02	mg/kg
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Deer mouse (water)	WATER	2.00E+05	µg/L
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.10E+03	mg/kg
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Desert cottontail (water)	WATER	3.90E+05	µg/L
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.50E+03	mg/kg
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Occult little brown myotis bat (water)	WATER	2.40E+05	µg/L
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.80E+04	mg/kg
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Red fox (water)	WATER	4.40E+05	µg/L
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.10E+02	mg/kg
VOC	Dichloroethane[1,1-]	75-34-3	Mammal	Vagrant shrew (water)	WATER	1.70E+05	µg/L
VOC	Dichloroethane[1,1-]	75-34-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Dichloroethane[1,2-]	107-06-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT		
VOC	Dichloroethane[1,2-]	107-06-2	Aquatic	Aquatic community organisms - water	WATER	1.10E+03	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL	4.50E+03	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American kestrel (Avian top carnivore)	SOIL	4.60E+03	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American kestrel (water)	WATER	7.70E+04	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American robin (Avian herbivore)	SOIL	4.80E+00	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American robin (Avian insectivore)	SOIL	2.60E+02	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American robin (Avian omnivore)	SOIL	9.40E+00	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Bird	American robin (water)	WATER	6.60E+04	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	2.20E+04	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Bird	Violet-green Swallow (water)	WATER	3.80E+04	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	9.10E+03	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Deer mouse (water)	WATER	2.60E+05	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	9.80E+03	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Desert cottontail (water)	WATER	5.10E+05	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.00E+05	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Occult little brown myotis bat (water)	WATER	3.10E+05	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.60E+04	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Red fox (water)	WATER	5.70E+05	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.40E+03	mg/kg
VOC	Dichloroethane[1,2-]	107-06-2	Mammal	Vagrant shrew (water)	WATER	2.20E+05	µg/L
VOC	Dichloroethane[1,2-]	107-06-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Aquatic	Aquatic community organisms - sediment	SEDIMENT	2.40E-01	mg/kg
VOC	Dichloroethene[1,1-]	75-35-4	Aquatic	Aquatic community organisms - water	WATER		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American kestrel (water)	WATER		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American robin (Avian herbivore)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American robin (Avian insectivore)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American robin (Avian omnivore)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	American robin (water)	WATER		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Dichloroethene[1,1-]	75-35-4	Bird	Violet-green Swallow (water)	WATER		
VOC	Dichloroethene[1,1-]	75-35-4	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Deer mouse (Mammalian omnivore)	SOIL	7.60E+03	mg/kg
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Deer mouse (water)	WATER	1.50E+05	µg/L
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.40E+03	mg/kg
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Desert cottontail (water)	WATER	3.00E+05	µg/L
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.10E+03	mg/kg
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Occult little brown myotis bat (water)	WATER	1.80E+05	µg/L
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Red fox (Mammalian top carnivore)	SOIL	2.20E+04	mg/kg
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Red fox (water)	WATER	3.40E+05	µg/L
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	8.70E+02	mg/kg
VOC	Dichloroethene[1,1-]	75-35-4	Mammal	Vagrant shrew (water)	WATER	1.30E+05	µg/L
VOC	Dichloroethene[1,1-]	75-35-4	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.40E-02	mg/kg
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Aquatic	Aquatic community organisms - water	WATER	3.10E+02	µg/L
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American kestrel (water)	WATER		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American robin (Avian herbivore)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American robin (Avian insectivore)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American robin (Avian omnivore)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	American robin (water)	WATER		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Bird	Violet-green Swallow (water)	WATER		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Deer mouse (Mammalian omnivore)	SOIL	9.20E+03	mg/kg
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Deer mouse (water)	WATER	2.30E+06	µg/L
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.40E+03	mg/kg
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Desert cottontail (water)	WATER	4.60E+06	µg/L
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	1.80E+03	mg/kg
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Occult little brown myotis bat (water)	WATER	2.80E+06	µg/L
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Red fox (Mammalian top carnivore)	SOIL	3.30E+05	mg/kg
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Red fox (water)	WATER	5.20E+06	µg/L
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.30E+02	mg/kg
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Mammal	Vagrant shrew (water)	WATER	2.00E+06	µg/L
VOC	Dichloroethene[cis/trans-1,2-]	540-59-0	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Methylene Chloride	75-09-2	Aquatic	Aquatic community organisms - sediment	SEDIMENT	3.80E-01	mg/kg
VOC	Methylene Chloride	75-09-2	Aquatic	Aquatic community organisms - water	WATER	2.20E+03	µg/L
VOC	Methylene Chloride	75-09-2	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Methylene Chloride	75-09-2	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Methylene Chloride	75-09-2	Bird	American kestrel (water)	WATER		
VOC	Methylene Chloride	75-09-2	Bird	American robin (Avian herbivore)	SOIL		
VOC	Methylene Chloride	75-09-2	Bird	American robin (Avian insectivore)	SOIL		
VOC	Methylene Chloride	75-09-2	Bird	American robin (Avian omnivore)	SOIL		
VOC	Methylene Chloride	75-09-2	Bird	American robin (water)	WATER		
VOC	Methylene Chloride	75-09-2	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Methylene Chloride	75-09-2	Bird	Violet-green Swallow (water)	WATER		
VOC	Methylene Chloride	75-09-2	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Methylene Chloride	75-09-2	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.60E+00	mg/kg
VOC	Methylene Chloride	75-09-2	Mammal	Deer mouse (water)	WATER	3.10E+04	µg/L
VOC	Methylene Chloride	75-09-2	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	8.60E+00	mg/kg
VOC	Methylene Chloride	75-09-2	Mammal	Desert cottontail (water)	WATER	6.00E+04	µg/L
VOC	Methylene Chloride	75-09-2	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.50E+01	mg/kg
VOC	Methylene Chloride	75-09-2	Mammal	Occult little brown myotis bat (water)	WATER	3.70E+04	µg/L
VOC	Methylene Chloride	75-09-2	Mammal	Red fox (Mammalian top carnivore)	SOIL	4.30E+02	mg/kg
VOC	Methylene Chloride	75-09-2	Mammal	Red fox (water)	WATER	6.80E+04	µg/L
VOC	Methylene Chloride	75-09-2	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.80E+00	mg/kg
VOC	Methylene Chloride	75-09-2	Mammal	Vagrant shrew (water)	WATER	2.60E+04	µg/L
VOC	Methylene Chloride	75-09-2	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.60E+03	mg/kg
VOC	Tetrachloroethene	127-18-4	Aquatic	Aquatic community organisms - sediment	SEDIMENT	5.30E-01	mg/kg
VOC	Tetrachloroethene	127-18-4	Aquatic	Aquatic community organisms - water	WATER	1.20E+02	µg/L
VOC	Tetrachloroethene	127-18-4	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Tetrachloroethene	127-18-4	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Tetrachloroethene	127-18-4	Bird	American kestrel (water)	WATER		
VOC	Tetrachloroethene	127-18-4	Bird	American robin (Avian herbivore)	SOIL		
VOC	Tetrachloroethene	127-18-4	Bird	American robin (Avian insectivore)	SOIL		
VOC	Tetrachloroethene	127-18-4	Bird	American robin (Avian omnivore)	SOIL		
VOC	Tetrachloroethene	127-18-4	Bird	American robin (water)	WATER		
VOC	Tetrachloroethene	127-18-4	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Tetrachloroethene	127-18-4	Bird	Violet-green Swallow (water)	WATER		
VOC	Tetrachloroethene	127-18-4	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Tetrachloroethene	127-18-4	Mammal	Deer mouse (Mammalian omnivore)	SOIL	4.80E+00	mg/kg
VOC	Tetrachloroethene	127-18-4	Mammal	Deer mouse (water)	WATER	7.30E+03	µg/L
VOC	Tetrachloroethene	127-18-4	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	1.30E+01	mg/kg
VOC	Tetrachloroethene	127-18-4	Mammal	Desert cottontail (water)	WATER	1.40E+04	µg/L
VOC	Tetrachloroethene	127-18-4	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	5.00E+00	mg/kg
VOC	Tetrachloroethene	127-18-4	Mammal	Occult little brown myotis bat (water)	WATER	8.80E+03	µg/L
VOC	Tetrachloroethene	127-18-4	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.00E+02	mg/kg
VOC	Tetrachloroethene	127-18-4	Mammal	Red fox (water)	WATER	1.60E+04	µg/L
VOC	Tetrachloroethene	127-18-4	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.80E+00	mg/kg
VOC	Tetrachloroethene	127-18-4	Mammal	Vagrant shrew (water)	WATER	6.20E+03	µg/L
VOC	Tetrachloroethene	127-18-4	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Toluene	108-88-3	Aquatic	Aquatic community organisms - sediment	SEDIMENT	6.70E-01	mg/kg
VOC	Toluene	108-88-3	Aquatic	Aquatic community organisms - water	WATER	1.30E+02	µg/L
VOC	Toluene	108-88-3	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Toluene	108-88-3	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Toluene	108-88-3	Bird	American kestrel (water)	WATER		
VOC	Toluene	108-88-3	Bird	American robin (Avian herbivore)	SOIL		
VOC	Toluene	108-88-3	Bird	American robin (Avian insectivore)	SOIL		
VOC	Toluene	108-88-3	Bird	American robin (Avian omnivore)	SOIL		
VOC	Toluene	108-88-3	Bird	American robin (water)	WATER		
VOC	Toluene	108-88-3	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Toluene	108-88-3	Bird	Violet-green Swallow (water)	WATER		
VOC	Toluene	108-88-3	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Toluene	108-88-3	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.30E+01	mg/kg
VOC	Toluene	108-88-3	Mammal	Deer mouse (water)	WATER	1.30E+05	µg/L
VOC	Toluene	108-88-3	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	2.70E+02	mg/kg
VOC	Toluene	108-88-3	Mammal	Desert cottontail (water)	WATER	2.60E+05	µg/L
VOC	Toluene	108-88-3	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	9.30E+01	mg/kg
VOC	Toluene	108-88-3	Mammal	Occult little brown myotis bat (water)	WATER	1.60E+05	µg/L
VOC	Toluene	108-88-3	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.80E+03	mg/kg
VOC	Toluene	108-88-3	Mammal	Red fox (water)	WATER	3.00E+05	µg/L
VOC	Toluene	108-88-3	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	7.10E+01	mg/kg
VOC	Toluene	108-88-3	Mammal	Vagrant shrew (water)	WATER	1.10E+05	µg/L
VOC	Toluene	108-88-3	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	2.00E+02	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Aquatic	Aquatic community organisms - sediment	SEDIMENT	8.60E+00	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Aquatic	Aquatic community organisms - water	WATER	1.10E+02	µg/L
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American kestrel (water)	WATER		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American robin (Avian herbivore)	SOIL		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American robin (Avian insectivore)	SOIL		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American robin (Avian omnivore)	SOIL		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	American robin (water)	WATER		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Bird	Violet-green Swallow (water)	WATER		
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL	1.20E+01	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Deer mouse (Mammalian omnivore)	SOIL	6.50E+00	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Deer mouse (water)	WATER	7.70E+03	µg/L
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.50E+01	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Desert cottontail (water)	WATER	1.50E+04	µg/L
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	4.60E+01	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Occult little brown myotis bat (water)	WATER	9.20E+03	µg/L
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.70E+02	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Red fox (water)	WATER	1.70E+04	µg/L
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	3.60E+00	mg/kg
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Mammal	Vagrant shrew (water)	WATER	6.60E+03	µg/L
VOC	Trichlorobenzene[1,2,4-]	120-82-1	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.70E-01	mg/kg
VOC	Trichloroethane[1,1,1-]	71-55-6	Aquatic	Aquatic community organisms - water	WATER	6.20E+01	µg/L
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American kestrel (water)	WATER		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American robin (Avian herbivore)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American robin (Avian insectivore)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American robin (Avian omnivore)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	American robin (water)	WATER		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Trichloroethane[1,1,1-]	71-55-6	Bird	Violet-green Swallow (water)	WATER		
VOC	Trichloroethane[1,1,1-]	71-55-6	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Deer mouse (Mammalian omnivore)	SOIL	3.10E+03	mg/kg
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Deer mouse (water)	WATER	5.20E+06	µg/L
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.40E+03	mg/kg
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Desert cottontail (water)	WATER	1.00E+07	µg/L
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	3.70E+03	mg/kg
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Occult little brown myotis bat (water)	WATER	6.20E+06	µg/L
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Red fox (Mammalian top carnivore)	SOIL	7.30E+04	mg/kg
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Red fox (water)	WATER	1.10E+07	µg/L
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	2.80E+03	mg/kg
VOC	Trichloroethane[1,1,1-]	71-55-6	Mammal	Vagrant shrew (water)	WATER	4.40E+06	µg/L
VOC	Trichloroethane[1,1,1-]	71-55-6	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Trichloroethene	79-01-6	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.60E+00	mg/kg
VOC	Trichloroethene	79-01-6	Aquatic	Aquatic community organisms - water	WATER	3.50E+02	µg/L
VOC	Trichloroethene	79-01-6	Bird	American kestrel (Avian intermediate carnivore)	SOIL		
VOC	Trichloroethene	79-01-6	Bird	American kestrel (Avian top carnivore)	SOIL		
VOC	Trichloroethene	79-01-6	Bird	American kestrel (water)	WATER		
VOC	Trichloroethene	79-01-6	Bird	American robin (Avian herbivore)	SOIL		
VOC	Trichloroethene	79-01-6	Bird	American robin (Avian insectivore)	SOIL		
VOC	Trichloroethene	79-01-6	Bird	American robin (Avian omnivore)	SOIL		
VOC	Trichloroethene	79-01-6	Bird	American robin (water)	WATER		
VOC	Trichloroethene	79-01-6	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT		
VOC	Trichloroethene	79-01-6	Bird	Violet-green Swallow (water)	WATER		
VOC	Trichloroethene	79-01-6	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Trichloroethene	79-01-6	Mammal	Deer mouse (Mammalian omnivore)	SOIL	2.40E+00	mg/kg
VOC	Trichloroethene	79-01-6	Mammal	Deer mouse (water)	WATER	3.60E+03	µg/L
VOC	Trichloroethene	79-01-6	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	7.00E+00	mg/kg
VOC	Trichloroethene	79-01-6	Mammal	Desert cottontail (water)	WATER	7.20E+03	µg/L
VOC	Trichloroethene	79-01-6	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	2.50E+00	mg/kg
VOC	Trichloroethene	79-01-6	Mammal	Occult little brown myotis bat (water)	WATER	4.40E+03	µg/L
VOC	Trichloroethene	79-01-6	Mammal	Red fox (Mammalian top carnivore)	SOIL	5.10E+01	mg/kg
VOC	Trichloroethene	79-01-6	Mammal	Red fox (water)	WATER	8.10E+03	µg/L
VOC	Trichloroethene	79-01-6	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	1.80E+00	mg/kg
VOC	Trichloroethene	79-01-6	Mammal	Vagrant shrew (water)	WATER	3.10E+03	µg/L
VOC	Trichloroethene	79-01-6	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL		
VOC	Xylene (Total)	1330-20-7	Aquatic	Aquatic community organisms - sediment	SEDIMENT	1.10E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Aquatic	Aquatic community organisms - water	WATER	1.80E+01	µg/L
VOC	Xylene (Total)	1330-20-7	Bird	American kestrel (Avian intermediate carnivore)	SOIL	4.30E+01	mg/kg
VOC	Xylene (Total)	1330-20-7	Bird	American kestrel (Avian top carnivore)	SOIL	1.60E+03	mg/kg
VOC	Xylene (Total)	1330-20-7	Bird	American kestrel (water)	WATER	5.40E+04	µg/L
VOC	Xylene (Total)	1330-20-7	Bird	American robin (Avian herbivore)	SOIL	3.40E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Bird	American robin (Avian insectivore)	SOIL	1.10E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Bird	American robin (Avian omnivore)	SOIL	1.70E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Bird	American robin (water)	WATER	1.50E+04	µg/L
VOC	Xylene (Total)	1330-20-7	Bird	Violet-green Swallow (Avian aerial insectivore)	SEDIMENT	1.50E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Bird	Violet-green Swallow (water)	WATER	1.20E+04	µg/L
VOC	Xylene (Total)	1330-20-7	Invertebrate	Earthworm (Soil-dwelling invertebrate)	SOIL		
VOC	Xylene (Total)	1330-20-7	Mammal	Deer mouse (Mammalian omnivore)	SOIL	8.60E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Mammal	Deer mouse (water)	WATER	1.10E+04	µg/L
VOC	Xylene (Total)	1330-20-7	Mammal	Desert cottontail (Mammalian herbivore)	SOIL	3.60E+01	mg/kg
VOC	Xylene (Total)	1330-20-7	Mammal	Desert cottontail (water)	WATER	2.10E+04	µg/L
VOC	Xylene (Total)	1330-20-7	Mammal	Occult little brown myotis bat (Mammalian aerial insectivore)	SEDIMENT	7.10E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Mammal	Occult little brown myotis bat (water)	WATER	1.20E+04	µg/L
VOC	Xylene (Total)	1330-20-7	Mammal	Red fox (Mammalian top carnivore)	SOIL	1.40E+02	mg/kg
VOC	Xylene (Total)	1330-20-7	Mammal	Red fox (water)	WATER	2.40E+04	µg/L
VOC	Xylene (Total)	1330-20-7	Mammal	Vagrant shrew (Mammalian insectivore)	SOIL	5.40E+00	mg/kg
VOC	Xylene (Total)	1330-20-7	Mammal	Vagrant shrew (water)	WATER	9.40E+03	µg/L
VOC	Xylene (Total)	1330-20-7	Plant	Generic plant (Terrestrial autotroph - producer)	SOIL	1.00E+02	mg/kg

Supplemental Table L.6
Ecorisk Database References for Primary Toxicity Values (Version 1.2)

Primary Toxicty Study Reference Id	Author(s),Year	Full Citation
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Supplementary Table S 18

Detailed Information Identified from the Primary Treatment Tobacco Factories U.S.

Facility Number in Supplementary Table S 1	Facility Name	Facility Address
1	Alliance One Tobacco, LLC	1000 Maplewood Drive, Lewiston, NC 27849-9, Bertie County, Lat: 36.09000, Long: -76.9100
2	Alliance One Tobacco, LLC	1000 Maplewood Drive, Lewiston, NC 27849-9, Bertie County, Lat: 36.09000, Long: -76.9100
3	Alliance One Tobacco, LLC	1000 Maplewood Drive, Lewiston, NC 27849-9, Bertie County, Lat: 36.09000, Long: -76.9100
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Supplemental Table L.7
Ecorisk Database References for Toxicity Reference Values (TRVs) (Version 1.2)

TRV Derivation Reference Id	Author(s),Year	R-Reference_Citation_Full
0048	Suter II and Tsao, 1996	Suter II, GW, and CL Tsao. 1996 (Jun.). Toxicological Benchmarks for Screening Potential Contaminants o Concern for Effects on Aquatic Biota: 1996 Revision. ES/ER/TM-96/R2. Martin Marietta Energy Systems, Inc. Oak Ridge, Tennessee.
0092	IT Corporation, 1997	IT Corporation. 1997(Nov.). Predictive Ecological Risk Assessment Methodology Environmental Restoratio Program Sandia National Laboratory, New Mexico. Sandia National Laboratory. Albuquerque, NM. Appendix A Table A.1
0093	IT Corporation, 1997 and Sample et al., 1996	IT Corporation. 1997(Nov.). Predictive Ecological Risk Assessment Methodology Environmental Restoratio Program Sandia National Laboratory, New Mexico. Sandia National Laboratory, Albuquerque, NM. And Sampl BE, DM Opresko, and GW Suter II. 1996(Jun.).
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Supplemental Table L.8
Maximum Concentration Values Used for Cañon de Valle Water

Analyte	Surface Water Maximum Values µg/L[a] Date Range: 4/18/1994 - 9/22/1998	Springs Maximum Values µg/L Date Range: 12/20/1996 - 3/24/1999	Alluvial Water Maximum Values µg/L Date Range: 12/19/1997 - 3/24/1999
Acetone	8.00	78.00	42.00
Aluminum	13600.00	3870.00	90900.00
Amino-2,6-dinitrotoluene[4-]	53.20	1.45	7.50
Amino-4,6-dinitrotoluene[2-]	43.20	1.18	4.90
Antimony	4.00	----	10.90
Arsenic	24.00	30.00	18.80
Barium	6520.00	3400.00	17400.00
Beryllium	4.00	1.00	7.40
Bis(2-ethylhexyl)phthalate	13.00	----	7.20
Boron	----[b]	87.10	79.60
Bromide, mg/L	----	510.00	2000.00
Bromomethane	----	4.00	----
Butanone[2-]	----	8.10	3.70
Cadmium	5.20	1.20	5.00
Calcium	22700.00	20100.00	32000.00
Cesium	----	2.00	----
Chlorate, mg/L+A51	----	----	0.10
Chloride, mg/L	25000.00	33000.00	36000.00
Chloromethane	----	30.00	----
Chlorophenol[2-]	10.00	----	----
Chromium, Total	10.00	8.60	58.80
Cobalt	9.20	4.90	17.70
Copper	26.30	13.20	56.70
Cyanide, Total	----	----	10.00
Di-n-butylphthalate	----	1.00	----
Di-n-octylphthalate	10.00	----	----
Dichloroethane[1,2-]	7.00	6.00	----
Dinitro-2-methylphenol[4,6-]	50.00	----	----
Dinitrobenzene[1,3-]	----	0.07	----
Dinitrotoluene[2,4-]	0.32	0.06	----
Fluoride, mg/L	200.00	300.00	700.00
HMX	160.00	4.64	390.00
Iron	9800.00	4570.00	83600.00
Lead	23.00	10.50	109.00
Lithium	----	10.00	34.20
Magnesium	7420.00	5810.00	14500.00
Manganese	2200.00	726.00	4340.00
Mercury	0.03	0.05	0.37
Methylene Chloride	6.00	----	----
Molybdenum	----	10.00	10.20
Nickel	40.00	7.90	45.10
Nitrobenzene	0.53	----	----
Nitrotoluene[2-]	2.28	----	----
Nitrotoluene[3-]	----	0.11	----
RDX	818.00	86.00	97.40
Rubidium	----	14.00	----
Selenium	3.30	10.00	11.30
Silicon	17000.00	29400.00	----
Silicon Dioxide, mg/L	----	62900.00	40.80
Silver	1.00	2.00	7.20
Sodium	24300.00	24300.00	190000.00
Strontium	----	133.00	220.00
Sulfate, mg/L+A23	13000.00	15000.00	61400.00
Tetrachloroethene	----	2.80	----
Tetryl	----	0.07	----
Thallium	7.40	6.20	9.10
Titanium	----	110.00	----
Toluene	----	----	6.70
Trichloroethene	----	3.20	----
Trinitrobenzene[1,3,5-]	0.21	0.79	----
Trinitrotoluene[2,4,6-]	7.41	1.30	20.00
Uranium	0.57	----	----
Vanadium	13.20	10.00	98.40
Zinc	71.40	130.00	1620.00

[a] Units are µg/L except where noted in the analyte list.

[b] See Appendix L, Attachment 1, Table 1, of the original text of this document for analysis and detect status of analytes.

Supplemental Table L.9
Maximum Concentration Values Used for Cañon de Valle Soil and Sediment

Analyte	Soil Maximum Values mg/kg Date Range: 9/22/1999 - 9/23/1999	Sediment Maximum Values mg/kg Date Range: 4/18/1994 - 1/30/1998
Acetone	----[a]	0.05
Actinium-228	----	1.41
Aluminum	8880.00	12000.00
Amino-2,6-dinitrotoluene[4-]	1.60	0.91
Amino-4,6-dinitrotoluene[2-]	1.30	1.02
Annihilation Radiation	----	0.05
Arsenic	3.70	11.00
Barium	37300.00	15900.00
Benzoic Acid	----	0.75
Benzyl Alcohol	----	0.24
Beryllium	1.30	0.99
Bis(2-ethylhexyl)phthalate	----	0.46
Bismuth-214	----	1.04
Cadmium	1.10	1.30
Cadmium-109	----	2.42
Calcium	5720.00	4220.00
Cesium-137	----	1.06
Chromium, Total	33.10	17.80
Cobalt	17.50	23.90
Copper	139.00	99.80
Cyanide, Total	----	1.90
Di-n-butylphthalate	----	10.00
Dichlorodifluoromethane	----	0.01
Diethylphthalate	----	0.47
Fluoranthene	----	0.06
HMX	290.00	170.00
Iron	11900.00	22000.00
Isopropyltoluene[4-]	----	0.06
Lanthanum-140	----	17.00
Lead	65.90	129.00
Lead-212	----	1.55
Lead-214	----	0.92
Magnesium	1800.00	2000.00
Manganese	980.00	1910.00
Mercury	0.07	0.39
Neptunium-237	----	0.76
Nickel	40.30	305.00
Nitrobenzene	0.13	0.09
Nitrogen, Nitrate + Nitrite (E	----	7.70
Nitrotoluene[3-]	----	0.35
Phenol	----	0.34
Potassium	1820.00	1910.00
Potassium-40	----	31.10
Protactinium-231	----	3.20
Protactinium-234M	----	6.48
Pyrene	----	0.05
RDX	5.50	42.00
Radium-224	----	2.09
Radium-226	----	3.56
Selenium	----	3.00
Silver	14.90	15.10
Sodium	183.00	748.00
Thallium	----	7.10
Thallium-208	----	0.43
Toluene	----	0.04
Trichloro-1,2,2-trifluoroethane	----	0.00
Trichlorofluoromethane	----	0.00
Trinitrobenzene[1,3,5-]	0.25	0.11
Trinitrotoluene[2,4,6-]	0.67	1.35
Uranium	----	3.49
Vanadium	21.20	54.20
Zinc	259.00	77.00
Antimony	2.60	----
Boron	10.60	----
Dinitrobenzene[1,3-]	----	----
Dinitrotoluene[2,4-]	----	----
Dinitrotoluene[2,6-]	----	----
Nitrotoluene[2-]	----	----
Nitrotoluene[4-]	----	----
Tetryl	----	----

[a] See Appendix L, Attachment 1, Table 1, of the original text of this document for analysis and detect status of analytes.